

Time: 1415
Message: 48

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plume tracking continues.

Actions Expected:

- 1) See attached sheets.

#8908290172
Vol II

Actions Expected for Message #48:

- 1) Recovery/Re-entry discussions should commence. These should include the following:
 - a) Preliminary discussions between the EOF and the TSC on the following:
 - o Possible downgrade discussions per SC-110 (Ginna Station Event Evaluation for Reducing the Classification).
 - o Short term Plant concerns such as:
 1. Repair and return to service of the 1B RHR pump for redundancy in the core cooling recirculation mode.
 2. Possible makeup of borated water to the RWST for safety injection or containment spray operation if needed.
 3. Initial cleanup of the Auxiliary Building basement.
 4. Repair and return to service of the 1B safety injection pump.
 5. Highly radioactive waste water in the Waste Holdup Tank from the 1B RHR pump seal failure.
 - o Intermediate term Plant concerns such as:
 1. Containment vessel inspection and cleanup plans.
 2. More extensive cleanup effort in the Auxiliary Building.
 3. Preliminary inspection of the auxiliary feedwater pump fires for possible causes and repairs needed.
 - b) Preliminary designation of the recovery organization.
 - c) State and counties may also conduct parallel recovery/re-entry discussions.
- 2) Recovery/re-entry interface between the EOF and off-site agencies should be demonstrated as time allows.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> /NO
N-31	<u>61</u> CPS
N-32	<u>63</u> CPS
N-35	<u>1410</u> AMPS
N-36	<u>1410</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cmnt Pressure	<u>1</u> PSIG
Cmnt Sump A Level	<u>31.2</u> FEET
Cmnt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>194</u> °F
A Loop Cold Leg	<u>194</u> °F
B Loop Hot Leg	<u>194</u> °F
B Loop Cold Leg	<u>194</u> °F
RVLIS	<u>100</u> %
*CET	<u>205</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

CT = Average of Selected Core Exit Thermocouples

Time: 1430
Message: 49

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Emergency Coordinator and Recovery Manager

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The Exercise is Terminated

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver when all Exercise objectives have been demonstrated.

Actions Expected:

- 1) Close out by making an announcement to all facilities (including RECS) that the Exercise is terminated.

PPCS
"EVENT 1"

PRINTOUTS
(0645-1415 HRS)

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
06:45:38

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	NO ATWS	GOOD	
2	RXT	NOT TRIP	GOOD	
3	N31	1.00000+00	INHB	CPS
4	N32	1.00000+00	INHB	CPS
5	N35	7.62078-04	INHB	AMP
6	N36	7.62078-04	INHB	AMP
7	NP	100.63	GOOD	%
8	PRCS	2243	GOOD	PSIG
9	LPZR	47.7	GOOD	%
10	FRCLA	100.0	GOOD	%
11	FRCLB	100.0	GOOD	%
12	RXT16	NOT TRIP	GOOD	
13	RXT17	NOT TRIP	GOOD	
14	TSUBTC	48.2	GOOD	DEGF
15	LSGA	52.0	GOOD	%
16	LSGB	52.0	GOOD	%
17	PSGA	756.	GOOD	PSIG
18	PSGB	756.	GOOD	PSIG
19	GENBKR1	NOT TRIP	GOOD	
20	GENBKR2	NOT TRIP	GOOD	
21	BUS11A	NOT TRIP	GOOD	
22	BUS11B	NOT TRIP	GOOD	
23	BUS12A	NOT TRIP	GOOD	
24	BUS12B	NOT TRIP	GOOD	
25	B11A12A	TRIPPED	GOOD	
26	B11B12B	TRIPPED	GOOD	
27	PCV	-.11	GOOD	PSIG
28	LSUMPA	1.8	GOOD	FEET
29	L0942E	LOWER	GOOD	
30	L0943E	LOWER	GOOD	

PROGRAM NAME :LRGTSZ.E
MINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	601.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	601.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.0	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	573.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	573.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.0	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.1	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	56.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	56.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

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GRAM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
07:00:17

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	NO ATWS	GOOD	
2	RXT	NOT TRIP	GOOD	
3	N31	1.00000+00	INHB	CPS
4	N32	1.00000+00	INHB	CPS
5	N35	7.62078-04	INHB	AMP
6	N36	7.62078-04	INHB	AMP
7	NP	100.63	GOOD	%
8	PRCS	2243.	GOOD	PSIG
9	LPZR	47.7	GOOD	%
10	FRCLA	100.0	GOOD	%
11	FRCLB	100.0	GOOD	%
12	RXT16	NOT TRIP	GOOD	
13	RXT17	NOT TRIP	GOOD	
14	TSUBTC	48.2	GOOD	DEGF
15	LSGA	52.0	GOOD	%
16	LSGB	52.0	GOOD	%
17	PSGA	756.	GOOD	PSIG
18	PSGB	756.	GOOD	PSIG
19	GENBKR1	NOT TRIP	GOOD	
20	GENBKR2	NOT TRIP	GOOD	
21	BUS11A	NOT TRIP	GOOD	
22	BUS11B	NOT TRIP	GOOD	
23	BUS12A	NOT TRIP	GOOD	
24	BUS12B	NOT TRIP	GOOD	
25	B11A12A	TRIPPED	GOOD	
26	B11B12B	TRIPPED	GOOD	
27	PCV	-.11	GOOD	PSIG
28	LSUMPA	1.8	GOOD	FEET
29	L0942E	LOWER	GOOD	
30	L0943E	LOWER	GOOD	

PROGRAM NAME :LRGTSZ.E
 INNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 1

GROUP DESCRIPTION
 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	601.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	601.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.0	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	573.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	573.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.0	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.3	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-O-J



NAME :LRGTSZ.E
INNA NUCLEAR POWER PLANT

AUG 16,89
07:15:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	7.65594-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	7.65594-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	101.26	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2255.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	49.2	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.9	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	48.1	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	51.9	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.9	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	759.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	759.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.10	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



(0715)

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	602.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	602.4	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.6	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	574.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	574.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.0	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.5	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPH
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPH
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J



PROGRAM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
07:29:50

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	7.55090-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	7.55090-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	99.80	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2248.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.8	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.8	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	48.3	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.3	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.3	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	767.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	767.	GOOD	PSIG
	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.10	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.2	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



3

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	602.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	602.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	546.3	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	546.3	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	574.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	574.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.0	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.4	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
 GINNA NUCLEAR POWER PLANT

AUG 16,89
 07:45:11

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 1

GROUP DESCRIPTION
 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	7.24434-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	7.24434-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	95.47	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2244.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.9	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.8	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.8	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	50.1	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.8	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.8	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	774.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	774.	GOOD	PSIG
	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.4	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



NAME :LRGTSZ.E

HNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	G000	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	G000	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	G000	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	G000	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	G000	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	G000	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	G000	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	G000	
39	T0409A	RCLA HOT LEG TEMPERATURE	600.0	G000	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.0	G000	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	546.1	G000	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	546.1	G000	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	573.1	G000	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	573.1	G000	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.0	G000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	602.3	G000	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	G000	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	G000	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	G000	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	G000	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	G000	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	G000	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	G000	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	G000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	G000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	G000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	G000	
58	BKR042	SERVICE WATER PUMP B	ON	G000	
59	BKR043	SERVICE WATER PUMP C	ON	G000	
60	BKR044	SERVICE WATER PUMP D	OFF	G000	

E-Q-J

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
08:00:42

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.95022-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.95022-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	91.59	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	46.1	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.0	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	53.1	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.3	GOOD	%
	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.3	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	775.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	775.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.8	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	597.0	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	597.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.0	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	571.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	571.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	599.2	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J



AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
08:15:25

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.42686-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	85.01	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2235.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	44.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.9	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	55.5	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.4	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.4	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	789.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	789.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.10	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	593.9	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	593.9	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	569.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	569.6	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	596.5	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPH
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPH
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
08:30:04

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	NO ATWS	GOOD	
2	RXT	NOT TRIP	GOOD	
3	N31	1.00000+00	INHB	CPS
4	N32	1.00000+00	INHB	CPS
5	N35	5.99789-04	INHB	AMP
6	N36	5.99789-04	INHB	AMP
7	NP	79.18	GOOD	%
8	PRCS	2248.	GOOD	PSIG
9	LPZR	42.2	GOOD	%
10	FRCLA	100.0	GOOD	%
11	FRCLB	100.0	GOOD	%
12	RXT16	NOT TRIP	GOOD	
13	RXT17	NOT TRIP	GOOD	
14	TSUBTC	59.9	GOOD	DEGF
15	LSGA	52.0	GOOD	%
16	LSGB	52.0	GOOD	%
17	PSGA	798.	GOOD	PSIG
18	PSGB	798.	GOOD	PSIG
19	GENBKR1	NOT TRIP	GOOD	
20	GENBKR2	NOT TRIP	GOOD	
21	BUS11A	NOT TRIP	GOOD	
22	BUS11B	NOT TRIP	GOOD	
23	BUS12A	NOT TRIP	GOOD	
24	BUS12B	NOT TRIP	GOOD	
25	B11A12A	TRIPPED	GOOD	
26	B11B12B	TRIPPED	GOOD	
27	PCV	-.10	GOOD	PSIG
28	LSUMPA	2.2	GOOD	FEET
29	L0942E	LOWER	GOOD	
30	L0943E	LOWER	GOOD	



(0830)

NAME :LRGTSZ.E
INNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	590.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	590.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.6	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	567.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	567.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	592.3	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPH
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPH
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J



NAME :LRGTSZ.E
A NUCLEAR POWER PLANT

AUG 16,89
08:45:41

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	5.47015-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.47015-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	72.37	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2240.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	39.2	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.1	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.1	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	64.6	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	51.8	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.8	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	807.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	807.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.10	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.5	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



NAME :LRGTSZ.E
NIA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	586.0	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	586.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.1	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	565.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	565.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	588.7	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
08:59:49

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
11	ATWS	NO ATWS	GOOD	
22	RXT	REACTOR TRIP BREAKER STATUS	GOOD	
33	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB CPS
44	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB CPS
55	N35	INTERMEDIATE RANGE DETECTOR N-35	5.17606-04	INHB AMP
66	N36	INTERMEDIATE RANGE DETECTOR N-36	5.17606-04	INHB AMP
77	NP	AVERAGE NUCLEAR POWER	68.48	GOOD %
88	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2246.	GOOD PSIG
99	LPZR	PRESSURIZER AVERAGE LEVEL	38.7	GOOD %
110	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.1	GOOD %
111	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.0	GOOD %
112	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD
113	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD
114	TSUBTC	INCORE TC SUBCOOLED MARGIN	66.3	GOOD DEGF
115	LSGA	STM GEN A NARROW RANGE AVG LEVEL	51.7	GOOD %
116	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.7	GOOD %
117	PSGA	STM GEN A AVERAGE PRESSURE	816.	GOOD PSIG
118	PSGB	STM GEN B AVERAGE PRESSURE	816.	GOOD PSIG
199	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD
200	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD
211	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD
222	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD
233	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
244	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
255	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD
266	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD
277	PCV	CONTAINMENT AVERAGE PRESSURE	-.10	GOOD PSIG
288	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.8	GOOD FEET
299	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD
300	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD

NAME :LRGTSZ.E
NIA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	584.3	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	584.3	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	564.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	564.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	591.2	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J



NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
09:15:10

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT 1 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	4.78629-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	4.78629-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	63.05	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2275.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	35.8	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.2	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.2	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	66.7	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	51.7	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.7	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	822.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	822.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.10	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.1	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	580.6	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	580.6	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	543.7	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	562.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	562.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	583.2	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J



NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

AUG 16,89
09:29:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	4.28548-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	4.28548-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	56.62	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2275.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	33.5	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.2	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.2	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	73.3	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD	%
	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	833.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	833.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.6	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	576.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	576.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	543.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	560.2	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	560.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.3	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	579.9	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

NAME :LRGTSZ.E
K.E. INNA NUCLEAR POWER PLANT

AUG 16,89
09:44:38

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	3.81944-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	3.81944-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	50.43	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2272.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	34.4	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.0	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.9	GOOD %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD
14	TSUBTC	INORE TC SUBCOOLED MARGIN	75.0	GOOD DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	856.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	856.	GOOD PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD

NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	575.1	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	575.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	560.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	560.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	577.3	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	0
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

NAME :LRGTSZ.E

NHA NUCLEAR POWER PLANT

AUG 16,89

10:00:14

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	3.63078-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	3.63078-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	48.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2271.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	33.1	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.0	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	73.7	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	51.9	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.9	GOOD	%
	PSGA	STM GEN A AVERAGE PRESSURE	860.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	860.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.4	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	

PPR :LRGTSZ.E
R.L. NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	573.6	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	573.6	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.0	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	559.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	559.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	576.6	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

NAME :LRGTSZ.E
NA NUCLEAR POWER PLANT

AUG 16,89
10:14:52

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	3.28095-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	3.28095-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	43.24	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2269.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	31.8	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.0	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	79.0	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.2	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	870.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	870.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.9	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



(1014)

NAME :LRGTSZ.E
 REE BARRA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 1

GROUP DESCRIPTION
 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
331	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
332	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
333	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
334	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
335	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
336	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
337	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
338	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
339	T0409A	RCLA HOT LEG TEMPERATURE	571.2	GOOD	DEGF
400	T0410A	RCLB HOT LEG TEMPERATURE	571.2	GOOD	DEGF
401	T0450	RCLA COLD LEG TEMPERATURE	545.2	GOOD	DEGF
402	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD	DEGF
403	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	558.2	GOOD	DEGF
404	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	558.2	GOOD	DEGF
405	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
406	TCORE	E1.1 INCORE TC AVERAGE TEMP	573.7	GOOD	DEGF
407	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
408	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
409	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
500	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
501	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
502	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
503	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
504	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
505	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
506	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
507	BKR041	SERVICE WATER PUMP A	ON	GOOD	
508	BKR042	SERVICE WATER PUMP B	ON	GOOD	
509	BKR043	SERVICE WATER PUMP C	ON	GOOD	
600	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-Q-D

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
10:30:08

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	2.91071-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	2.91071-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	38.43	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2269	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	28.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	100.0	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	100.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	84.0	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	876	GOOD	PSIG
17	PSGB	STM GEN B AVERAGE PRESSURE	876.	GOOD	PSIG
17	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.05	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.3	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



(1030)

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	567.9	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	567.9	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	556.2	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	556.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	570.0	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	69.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	58.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-O-J

RAM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
10:31:26

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	2.37683-06	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	2.37683-06	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.32	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	470.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	0.	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	20.2	LALM	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	33.1	LALM	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-10.6	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	22.0	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	21.9	LWRN	%
17	PSGA	STM GEN A AVERAGE PRESSURE	912.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	954.	GOOD	PSIG
	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	34.18	HALM	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	14.5	HALM	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



(1031)

NAME :LRGTSZ.E
 REACTOR NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 1

GROUP DESCRIPTION
 SC-703 PLANT STATUS*DOWN'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	429.0	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	427.4	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	419.6	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	419.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	416.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	415.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	.0	LENG	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	1249.6	HALM	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	477.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	477.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
TENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ATWS	ALRM	
2	RXT	RX TRIPPED	ALRM	
3	N31	1.00000+00	INHB	CPS
4	N32	1.00000+00	INHB	CPS
5	N35	3.17687-07	GOOD	AHP
6	N36	3.17687-07	GOOD	AHP
7	NP	.05	GOOD	%
8	PRCS	67.	LARM	PSIG
9	LPZR	0.	LARM	%
10	FRCLA	1.9	LARM	%
11	FRCLB	1.9	LARM	%
12	RXT16	NOT TRIP	GOOD	
13	RXT17	NOT TRIP	GOOD	
14	TSUBTC	-1.9	LAL*	DEGF
15	LSGA	20.3	LWRN	%
16	LSGB	21.3	LWRN	%
17	LSGA	863.	GOOD	PSIG
18	LSGB	975.	GOOD	PSIG
19	GENBKR1	TRIPPED	ALRM	
20	GENBKR2	TRIPPED	ALRM	
21	BUS11A	TRIPPED	ALRM	
22	BUS11B	TRIPPED	ALRM	
23	BUS12A	NOT TRIP	GOOD	
24	BUS12B	NOT TRIP	GOOD	
25	B11A12A	NOT TRIP	ALRM	
26	B11B12B	NOT TRIP	ALRM	
27	PCV	29.89	HALM	PSIG
28	LSUMPA	21.2	HENG	FEET
29	L0942E	LOWER	GOOD	
30	L0943E	LOWER	GOOD	



(1032)

NAME :LRGTSZ.E

ANA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	307.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	310.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	311.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	311.7	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	309.8	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	309.8	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	30.1	LALM	%
46	TCORE	E1.1 INCORE TC AVERAGE TEMP	315.5	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	496.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	496.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E
K. SINHA NUCLEAR POWER PLANT

AUG 16,89
10:33:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	8.24142-08	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	8.24142-08	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.02	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	35.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	3.5	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-4.1	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	19.5	LWRN	%
	LSGB	STM GEN B NARROW RANGE AVG LEVEL	21.6	LWRN	%
	PSGA	STM GEN A AVERAGE PRESSURE	833.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	986.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	26.96	HALM	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	24.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



(1033)

NAME :LRGTSZ.E
K.E. NNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	275.6	GOOD	DEGF
40	T0410A	RCLA HOT LEG TEMPERATURE	279.6	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	275.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	275.7	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	275.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	271.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	42.2	LALM	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	302.5	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	504.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	504.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E
NA NUCLEAR POWER PLANT

AUG 16,89
10:34:16

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ATWS	ALRM	
2	RXT	RX TRIPPED	ALRM	
3	N31	1.00000+00	INHB	CPS
4	N32	1.00000+00	INHB	CPS
5	N35	2.67915-08	GOOD	AMP
6	N36	2.67915-08	GOOD	AMP
7	NP	.00	GOOD	%
8	PRCS	44.	LALM	PSIG
9	LPZR	.0	LALM	%
10	FRCLA	.0	INHB	%
11	FRCLB	1.3	INHB	%
12	RXT16	TRIPPED	ALRM	
13	RXT17	TRIPPED	ALRM	
14	TSUBTC	-4.7	LAL*	DEGF
15	LSGA	19.3	LWRN	%
16	LSGB	21.7	LWRN	%
17	PSGA	824.	GOOD	PSIG
18	PSGB	991.	GOOD	PSIG
19	GENBKR1	TRIPPED	ALRM	
20	GENBKR2	TRIPPED	ALRM	
21	BUS11A	TRIPPED	ALRM	
22	BUS11B	TRIPPED	ALRM	
23	BUS12A	NOT TRIP	GOOD	
24	BUS12B	NOT TRIP	GOOD	
25	B11A12A	NOT TRIP	ALRM	
26	B11B12B	NOT TRIP	ALRM	
27	PCV	24.39	HALM	PSIG
28	LSUMPA	28.2	HENG	FEET
29	L0942E	LOWER	GOOD	
30	L0943E	LOWER	GOOD	



(1034)

NAME :LRGTSZ.E
R.E. JARNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	279.6	GOOD	DEGF
40	T0410A	RCLA HOT LEG TEMPERATURE	279.6	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	279.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	279.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	276.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	276.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	53.2	LALM	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	283.6	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	502.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	502.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-O-J

PLANT NAME : LRGTSZ.E
REF: NUCLEAR POWER PLANT

AUG 16, 89
10:35:15

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
11	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
22	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
33	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
44	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
55	N35	INTERMEDIATE RANGE DETECTOR N-35	9.28961-09	GOOD	AMP
66	N36	INTERMEDIATE RANGE DETECTOR N-36	9.07815-09	GOOD	AMP
77	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
88	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	22.	LALM	PSIG
99	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
100	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.6	INHB	%
111	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
122	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
133	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
144	TSUBTC	INCORE TC SUBCOOLED MARGIN	-15.6	LAL*	DEGF
155	LSGA	STM GEN A NARROW RANGE AVG LEVEL	18.9	LWRN	%
166	LSGB	STM GEN B NARROW RANGE AVG LEVEL	21.8	LWRN	%
177	PSGA	STM GEN A AVERAGE PRESSURE	809.	GOOD	PSIG
188	PSGB	STM GEN B AVERAGE PRESSURE	994.	GOOD	PSIG
199	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
200	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
231	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
222	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
233	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
244	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
255	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
266	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
277	PCV	CONTAINMENT AVERAGE PRESSURE	21.30	HALM	PSIG
288	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.0	HENG	FEET
299	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
300	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	



(1035)

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	218.3	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	207.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	246.9	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	246.9	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	232.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	230.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	59.3	LALH	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	250.6	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	504.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	504.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E
R...NA NUCLEAR POWER PLANT

AUG 16,89
10:39:57

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.25314-10	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.25314-10	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	31.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	2.2	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-9.2	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	17.1	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	21.4	LWRN	%
17	PSGA	STM GEN A AVERAGE PRESSURE	738.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	976.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	12.02	HALM	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

(1039)

NAME :LRGTSZ.E
RCL A NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	285.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	287.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	283.4	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	283.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	284.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	286.5	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	70.6	LALM	%
46	TCORE	E1.1 INCORE TC AVERAGE TEMP	282.8	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	510.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	510.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-O-J

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
10:45:16

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.26037+03	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.25169+03	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.30016-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.30016-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	18.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	3.4	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-16.4	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	15.7	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	20.5	LWRN	%
	PSGA	STM GEN A AVERAGE PRESSURE	683.	GOOD	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	941.	GOOD	PSIG
17	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	4.52	HALM	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	



(1045)

NAME :LRGTSZ.E
 R. J. HNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 1

GROUP DESCRIPTION
 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	264.0	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	264.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	233.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	263.7	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	248.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	263.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	90.8	LALM	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	271.3	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	299.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	499.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
10:59:48

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.24452+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.01172+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	5.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	5.7	INHNB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	2.7	INHNB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-11.2	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	10.5	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	17.5	LWRN	%
	PSGA	STM GEN A AVERAGE PRESSURE	498.	LALM	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	805.	GOOD	PSIG
17	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.46	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHNB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHNB	

(1059)

NAME :LRGTSZ.E
INNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT 1 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	267.5	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	268.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	267.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	267.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	268.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	268.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	269.8	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	308.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	513.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-Q-J

PR :LRGTSZ.E
R.E. NUCLEAR POWER PLANT

AUG 16,89
11:15:36

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	5.74777+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.05338+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	6.0	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	0.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-1.7	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	6.7	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	13.4	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	384.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	649.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	2.01	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

(1115)

NAME :LRGTSZ.E
R.L. CHNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	223.1	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	222.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	222.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	222.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	222.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	222.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.0	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	224.7	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	309.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	517.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



NAME :LRGTSZ.E
NNA NUCLEAR POWER PLANT

AUG 16,89
11:29:40

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.37526+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	7.14494+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	32.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-4.2	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	4.2	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	11.5	LALM	%
	PSGA	STM GEN A AVERAGE PRESSURE	290.	LALM	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	511.	LALM	PSIG
17	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	2.83	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

(1129)

NAME :LRGTSZ.E
K. NA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	G000	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	G000	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	G000	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	G000	
39	T0409A	RCLA HOT LEG TEMPERATURE	272.8	G000	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	269.9	G000	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	272.0	G000	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	272.0	G000	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	272.1	G000	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	267.9	G000	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	G000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	270.5	G000	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	G000	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	G000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	G000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	G000	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	G000	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	G000	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	G000	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	G000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	G000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	G000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	G000	
58	BKR042	SERVICE WATER PUMP B	ON	G000	
59	BKR043	SERVICE WATER PUMP C	ON	G000	
60	BKR044	SERVICE WATER PUMP D	ON	G000	

E-O-J

NAME :LRGTSZ.E
NNA NUCLEAR POWER PLANT

AUG 16,89
11:44:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.29755+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.84494+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00461-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00461-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-6.3	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.24	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

(1144)

NAME :LRGTSZ.E
R.E. PINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	214.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	213.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	213.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	213.1	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	213.6	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	213.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	251.8	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-O-J



NAME :LRGTSZ.E
NHA NUCLEAR POWER PLANT

AUG 16,89
12:00:14

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.13956+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.52141+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00312-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00312-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-2.1	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
17	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	



(1200)

NAME :LRGTSZ.E
R. INNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	211.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	212.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	211.3	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	211.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	211.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	211.6	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	225.6	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



PROGRAM : LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

AUG 16,89
12:15:11

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME : SC-703 PLANT STATUS*DON'T MODIFY
EVENT 1

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ATWS	ALRM	
2	RXT	RX TRIPPED	ALRM	
3	N31	6.26943+01	GOOD	CPS
4	N32	6.41924+01	GOOD	CPS
5	N35	1.00641-11	GOOD	AMP
6	N36	1.00641-11	GOOD	AMP
7	NP	.00	GOOD	%
8	PRCS	0.	LALM	PSIG
9	LPZR	.0	LALM	%
10	FRCLA	.0	INHB	%
11	FRCLB	.0	INHB	%
12	RXT16	TRIPPED	ALRM	
13	RXT17	TRIPPED	ALRM	
14	TSUBTC	-3.2	LAL*	DEGF
15	LSGA	.0	LALM	%
16	LSGB	.0	LALM	%
17	PSGA	0.	LALM	PSIG
18	PSGB	0.	LALM	PSIG
19	GENBKR1	TRIPPED	ALRM	
20	GENBKR2	TRIPPED	ALRM	
21	BUS11A	TRIPPED	ALRM	
22	BUS11B	TRIPPED	ALRM	
23	BUS12A	NOT TRIP	GOOD	
24	BUS12B	NOT TRIP	GOOD	
25	B11A12A	NOT TRIP	ALRM	
26	B11B12B	NOT TRIP	ALRM	
27	PCV	1.12	HWRN	PSIG
28	LSUMPA	31.2	HENG	FEET
29	L0942E	HIGHER	INHB	
30	L0943E	HIGHER	INHB	

(1215)

NAME :LRGTSZ.E
INNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	209.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	209.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	209.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	209.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	209.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	209.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	217.1	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E
A NUCLEAR POWER PLANT

AUG 16,89
12:30:12

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.20001+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.31965+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00025-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00025-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-6.7	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	



(1230)

NAME :LRGTSZ.E
K. NNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT 1 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	207.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	207.3	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	207.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	207.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	207.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	207.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	219.5	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E
 NNA NUCLEAR POWER PLANT

AUG 16,89
 12:45:06

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME SC-703 PLANT STATUS*DON'T MODIFY
 EVENT 1

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.01964+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.29134+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00019-11	GOOD	AHP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00019-11	GOOD	AHP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-4.1	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.12	HWRN	PSIG
28	LSMHPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

NAME :LRGTSZ.E
R.E. ARNA NUCLEAR POWER PLANT

(1245)

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	205.1	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	205.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	205.0	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	205.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	205.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	205.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	210.3	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

NAME :LRGTSZ.E

NRA NUCLEAR POWER PLANT

AUG 16,89

13:00:13

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
11	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.02516+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.30179+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00032-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00032-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHIB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHIB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-3.2	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHIB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHIB	

AM NAME :LRGTSZ.E
KNA NUCLEAR POWER PLANT

(1300)

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	203.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	203.4	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	203.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	203.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	203.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	203.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	209.3	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



PROGRAM NAME :LRGTSZ.E
 INNA NUCLEAR POWER PLANT

AUG 16,89
 13:15:13

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 1

GROUP DESCRIPTION
 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.12976+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.38531+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00012-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00012-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-4.3	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	



NAME :LRGTSZ.E
NNA NUCLEAR POWER PLANT

AUG 16,89
13:30:21

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.02965+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.22243+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00022-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00022-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-3.9	LAL*	DEGF
15	LSGA	STM GEN A HARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B HARROW RANGE AVG LEVEL	.0	LALM	%
	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.12	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

GROUP NAME :LRGTSZ.E
IN A NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	199.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	199.4	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	199.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	199.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	199.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	199.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	207.9	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BY0082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	3305	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	3306	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	3307	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
WINNA NUCLEAR POWER PLANT

AUG 16,89
13:45:11

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DOWN'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.10076+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.39412+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00011-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00011-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-6.9	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
17	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

NAME :LRGTSZ.E
R.1 NNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	196.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	196.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	196.8	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	196.8	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	196.8	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	196.8	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	206.4	GOOD	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



NAME :LRGTSZ.E
NNA NUCLEAR POWER PLANT

AUG 16,89
14:00:10

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.00251+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.23942+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00009-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00009-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-4.7	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GEN8KR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GEN8KR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	

NAME :LRGTSZ.E
R.E. NNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	195.1	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	195.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	195.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	195.1	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	195.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	195.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.2	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	204.7	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



NAME :LRGTSZ.E
A NUCLEAR POWER PLANT

AUG 16,89
14:15:15

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	6.13596+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.34132+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00010-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00010-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	0.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	.0	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-4.7	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	.0	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	0.	LALM	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	0.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	31.2	HENG	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	HIGHER	INHB	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	HIGHER	INHB	



AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	194.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	194.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	194.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	194.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	194.2	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	194.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	204.6	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPH
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPH
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPH
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PPCS

"EVENT 2"

PRINTOUTS

(0645 - 1415 HRS)



NAME :LRGTSZ.E
NNA NUCLEAR POWER PLANT

AUG 16,89
06:45:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1776.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	194	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	56.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	4.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.08000+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	6.60000+02	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.40000+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	7.00000+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.60000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UC1/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UC1/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UC1/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UC1/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UC1/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UC1/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UC1/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UC1/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UC1/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
ANA NUCLEAR POWER PLANT

AUG 16,89
07:00:25

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1776.	LALH	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	187	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.4	GOOD	DEGF
7	W0T2	250 TO 33 FOOT LEVEL DELTA TEMP	3.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.18000+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	1.31000+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.52000+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	7.32100+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.60000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
NHA NUCLEAR POWER PLANT

AUG 16,89
07:15:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
11	F0619	COMPONENT COOLING LOOP TOTAL FLW	1780.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	186	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.29000+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	2.11100+03	GOOD	CPH
12	R11	CONTAINMENT AIR PARTICULATE	1.52300+03	GOOD	CPH
13	R12	CONTAINMENT GAS MONITOR	7.73300+02	GOOD	CPH
14	R10B	PLANT VENT IODINE MONITOR R10B	2.70000+01	GOOD	CPH
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPH
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+01	GOOD	CPH
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPH
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.3	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.4	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.7	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.9	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.7	GOOD	DEGF

E=0.3

NAME :LRGTSZ.E

HNA NUCLEAR POWER PLANT

AUG 16,89

07:30:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1780.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	184	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.39100+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	2.81200+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.63200+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	8.01340+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.70000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

AUG 16,89
07:45:25

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1772.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	177	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.49100+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	3.61000+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.72200+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	8.34400+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.70000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+01	GOOD	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.5	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.4	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.8	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.9	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.7	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E

WINNA NUCLEAR POWER PLANT

AUG 16,89

08:00:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1772.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	172	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.60010+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	4.41000+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.71220+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	8.71400+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.70000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.0000-036	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.5	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.5	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	103.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.8	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
NHA NUCLEAR POWER PLANT

AUG 16,89
08:15:17

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1776.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	157	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	63.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.71300+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	5.32100+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.82200+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	9.02200+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.80000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.6	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.6	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.7	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.8	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD	DEGF

E-Q-J

NAME :LRGTSZ.E

NUCLEAR POWER PLANT

AUG 16,89

08:30:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME	GROUP DESCRIPTION
EVENT 2	SC-703 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1772.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	147	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.9	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.81400+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	6.22200+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.90100+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	9.41200+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.80000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.7	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.7	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.8	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.9	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD	DEGF

E-O-J



UNIT NAME :LRGTSZ.E
REACTOR GINNA NUCLEAR POWER PLANT

AUG 16,89
08:45:37

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1772.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	131	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.91100+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	7.10000+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	1.91000+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	9.72300+02	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.80000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.8	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.9	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD	DEGF

E-0-J



NAME :LRGTSZ.E
R.E. LINNA NUCLEAR POWER PLANT

AUG 16,89
09:00:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1776.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	144	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.01000+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	8.11000+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	2.00010+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	1.01200+03	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	.0000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.0	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
ANNA NUCLEAR POWER PLANT

AUG 16,89
09:15:28

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1772.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	075	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.7	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	3.12000+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.00010+03	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	2.11200+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	1.02450+03	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.90000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.3	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
NA NUCLEAR POWER PLANT

AUG 16,89
09:30:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT 2 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1767.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	067	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-.7	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.22100+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	1.00100+04	GOOD	CPH
12	R11	CONTAINMENT AIR PARTICULATE	2.22300+03	GOOD	CPH
13	R12	CONTAINMENT GAS MONITOR	1.11520+03	GOOD	CPH
14	R10B	PLANT VENT IODINE MONITOR R10B	2.90000+01	GOOD	CPH
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPH
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPH
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPH
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.4	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.3	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
R.E. SINHA NUCLEAR POWER PLANT

AUG 16,89
09:45:29

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1780.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	050	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	3.32000+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	1.11200+04	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	2.21200+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	1.13420+03	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.90000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
18	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
19	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
20	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
21	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
22	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
23	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
24	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
25	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
26	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
27	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
28	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
29	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
30	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
31	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.5	GOOD	DEGF
32	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.4	GOOD	DEGF
33	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	GOOD	DEGF
34	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.4	GOOD	DEGF
35	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.7	GOOD	DEGF
36	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.3	GOOD	DEGF

E-0-J

PROGRAM NAME :LRGTSZ.E
REL. GINNA NUCLEAR POWER PLANT

AUG 16,89
10:00:33

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1776.	LALH	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	049	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	4.36000+01	GOOD	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	1.20100+04	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	2.92200+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	1.51500+03	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	2.90000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	96.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	107.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.2	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	103.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	103.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	115.0	GOOD	DEGF

E-0-J



NAME :LRGTSZ.E
NNA NUCLEAR POWER PLANT

AUG 16,89
10:15:09

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1776.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	052	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	5.40200+01	GOOD	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.38000+01	GOOD	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	1.40100+04	GOOD	CPM
12	R11	CONTAINMENT AIR PARTICULATE	3.62000+03	GOOD	CPM
13	R12	CONTAINMENT GAS MONITOR	1.81000+03	GOOD	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	3.00000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.10000+01	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.90000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	7.90000-01	GOOD	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	8.69000-01	GOOD	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+05	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	96.4	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	107.5	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.3	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	103.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	103.6	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	115.1	GOOD	DEGF

5-0-J

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
10:30:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1767.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	043	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	1.31000+05	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.04100+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99800+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98900+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	3.01000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.01000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.99000+01	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	1.31000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	1.54100+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.01000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	92.1	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	103.1	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	101.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	98.7	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	99.2	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	111.5	GOOD	DEGF

E-0-J

AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
10:31:15

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1411.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	046	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.31000+05	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	1.31000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	1.54000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	259.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	269.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	268.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	267.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	268.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	279.4	GOOD	DEGF

E-0-J



AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
10:32:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1315.	LALM	GPH
2	LRWST	REFUELING WATER STORAGE TANK LVL	93.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	047	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	5.35000+05	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	5.35000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	5.54000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	254.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	264.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	266.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	265.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	264.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	274.4	GOOD	DEGF

E-0-J



NAME :LRGTSZ.E
ROCKWELL GINNA NUCLEAR POWER PLANT

AUG 16,89
10:33:38

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1315.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.0	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	045	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	1.01000+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	1.01000+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	1.54000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	250.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	261.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	260.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	260.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	261.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	271.4	GOOD	DEGF

E-0-J

GROUP NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
10:34:25

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1315.	LALM	GPH
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	045	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	1.55000+06	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	1.55000+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	1.84000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	246.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	256.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	256.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	255.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	255.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	265.7	GOOD	DEGF

END

NAME :LRGTSZ.E
R.E. LINNA NUCLEAR POWER PLANT

AUG 16,89
10:35:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1315.	LALM	GPM
2	LRWT	REFUELING WATER STORAGE TANK LVL	87.0	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	045	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.31000+06	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31000+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	HALM	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	HALM	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	240.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	250.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	251.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	250.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	250.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	260.4	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
K. L. LINNA NUCLEAR POWER PLANT

AUG 16,89
10:40:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1310.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	76.1	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	049	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.31000+06	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31000+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	224.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	234.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	235.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	234.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	234.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	245.4	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

AUG 16,89
10:45:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1315.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	55.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	045	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.31000+06	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.00010+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99900+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.98800+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.98800+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	6.21100+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	GOOD	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	2.10010+02	GOOD	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31000+03	HALM	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-05	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	207.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	217.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	216.5	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	217.2	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	217.5	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	228.4	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
K.E. NNA NUCLEAR POWER PLANT

AUG 16,89
11:00:28

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1315.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	30.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	044	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.31120+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.98000+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.20000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	5.50100+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	3.20010+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31200+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54200+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.50200-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00100-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.00000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	199.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	209.1	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	208.2	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	209.7	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	208.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	219.4	GOOD	DEGF

E-0-J



NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
11:15:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6254.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	20.1	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	056	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.32000+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.94200+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.20000+01	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	7.30000+02	GOOD	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	4.31400+02	GOOD	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31200+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54300+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	2.00040-05	GOOD	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.01000-05	GOOD	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	199.1	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	208.2	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	209.3	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	208.8	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	207.7	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	219.0	GOOD	DEGF

E-0-J

GROUP NAME :LRGTSZ.E
K.L. GINNA NUCLEAR POWER PLANT

AUG 16,89
11:30:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6254.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	048	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.31120+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.92130+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	1.90010+02	GOOD	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.60000+03	GOOD	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	2.10000+03	GOOD	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31320+03	HALM	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54120+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UC1/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UC1/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UC1/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-04	GOOD	UC1/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.00000-04	GOOD	UC1/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UC1/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UC1/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UC1/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UC1/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	202.8	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	212.7	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	211.4	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	211.9	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	212.1	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	222.9	GOOD	DEGF

E-0-J



AM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
11:45:27

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6254.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LVRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	050	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.31200+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	2.24000+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99980+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99800+06	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	9.99800+06	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.31100+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	2.54120+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.40000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.00000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01000+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.10000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.50000+00	HALM	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	8.00000-01	HALM	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.02	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	196.8	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	206.7	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	205.4	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	205.9	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.1	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	215.9	GOOD	DEGF

E-0-J



NAME :LRGTSZ.E
R.E. SINHA NUCLEAR POWER PLANT

AUG 16,89
12:00:09

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6253.	GOOD	GPM
2	LRWT	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	051	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	1.97000+06	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.98100+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99800+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.98000+06	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	9.99900+06	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	1.97000+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	2.17100+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01000+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.10000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.50000+00	HALM	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	8.00000-01	HALM	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.01	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	196.9	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	205.3	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	206.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	205.8	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	205.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	216.5	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
12:15:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1652.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	050	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.64100+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.93200+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99900+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.98900+06	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	9.99800+06	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	1.64200+03	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	1.81000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.01000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.00000+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.10000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.50000+00	HALM	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	8.00000-01	HALM	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.01	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	195.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	205.0	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	205.6	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	204.6	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.2	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	215.1	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
RLE. GINNA NUCLEAR POWER PLANT

AUG 16,89
12:30:22

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
11	F0619	COMPONENT COOLING LOOP TOTAL FLW	6253.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	051	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.30100+06	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.87010+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99800+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99900+06	HALM	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	9.89900+06	HALM	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	1.30100+03	HALM	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	1.43100+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.00000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.00100+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.10000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.50000+00	HALM	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	7.00000-01	HALM	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.01	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	195.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	204.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	204.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	205.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	214.5	GOOD	DEGF

E0-J



NAME :LRGTSZ.E
K.L. GINNA NUCLEAR POWER PLANT

AUG 16,89
12:45:11

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6251.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.5	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	050	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	9.65000+05	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.81000+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99980+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99800+06	HALM	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	9.99900+06	HALM	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	9.65000+02	HALM	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06000+03	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.00000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.00100+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.10000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.31000+00	HALM	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	7.01000-01	HALM	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.01	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	194.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	202.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	202.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	213.5	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
HNA NUCLEAR POWER PLANT

AUG 16,89
13:00:15

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT 2 SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6253.	GOOD	GPH
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	050	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	65.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.31000+05	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.76000+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99900+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.98000+06	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	9.99900+06	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	6.30000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	6.93000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.00000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.00000+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.10000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.50000+00	HALM	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	8.00000-01	HALM	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.01	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	193.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	202.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	202.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	202.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	212.5	GOOD	DEGF

E-0-J



GRAM NAME :LRGTSZ.E
GINNA NUCLEAR POWER PLANT

AUG 16,89
13:15:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DOWN'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6254	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.4	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	049	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.94000+05	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.70000+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99900+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.98000+06	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	9.99900+06	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.94000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	3.23000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.00000-02	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.00000+01	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.00000+01	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.40000+00	HALM	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	7.00000-01	HALM	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.01	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	192.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	201.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	202.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	201.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	200.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	211.5	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
R.1 INNA NUCLEAR POWER PLANT

AUG 16,89
13:30:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6.253	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.4	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	050	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.94000+05	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.70000+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99900+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	4.50000+02	HALM	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	4.30000+04	HALM	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	2.94000+02	HALM	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	3.23000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	3.10000-03	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.00000-03	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.10000-03	HALM	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	3.00000-02	HALM	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.50000-02	HALM	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.00	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	192.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	200.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	201.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	202.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	201.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	210.5	GOOD	DEGF

E-0-J



PROGRAM NAME :LRGTSZ.E
DUGGINA NUCLEAR POWER PLANT

AUG 16,89
13:45:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6.251	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	046	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.2	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	HR/H
9	R02	AREA 2-CONTAINMENT	2.94000+05	HALM	HR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.70000+06	HALM	HR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99800+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	3.60000+02	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	1.10000+03	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.94000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	3.23000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	8.00000-05	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	7.90000-05	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	HR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	HR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.00	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	192.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	201.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	201.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	200.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	201.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	212.5	GOOD	DEGF

E-0-J



AM NAME :LRGTSZ.E
INNA NUCLEAR POWER PLANT

AUG 16,89
14:00:27

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6.253	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	9.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	042	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.93000+05	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.69000+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99900+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.70000+02	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	7.10000+02	HALM	CPM
	R29	AREA 29-CONTAINMENT HIGH RANGE	2.93000+02	HALM	R/HR
	R30	AREA 30-CONTAINMENT HIGH RANGE	3.22000+02	HALM	R/HR
	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UC1/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UC1/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UC1/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	5.00000-05	HALM	UC1/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	5.10000-05	HALM	UC1/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UC1/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UC1/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UC1/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UC1/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.00	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	192.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	200.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	201.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	201.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	201.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	211.5	GOOD	DEGF

E-0-J

NAME :LRGTSZ.E
ANA NUCLEAR POWER PLANT

AUG 16,89
14:15:21

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	6.252	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	15.3	LWRN	%
3	WS033	33 FOOT LEVEL WIND SPEED	9.7	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	040	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	1.00000-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.93000+05	HALM	MR/H
10	R09	AREA 9-LETDOWN LINE MONITOR	1.68000+06	HALM	MR/H
11	R10A	CONTAINMENT IODINE MONITOR R10A	9.99980+06	HALM	CPM
12	R11	CONTAINMENT AIR PARTICULATE	9.99900+06	HALM	CPM
13	R12	CONTAINMENT GAS MONITOR	9.99980+06	HALM	CPM
14	R10B	PLANT VENT IODINE MONITOR R10B	9.99000+06	HALM	CPM
15	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.80000+02	HALM	CPM
16	R14	AUX BLDG EXHAUST GAS MONITOR	5.70000+02	HALM	CPM
17	R29	AREA 29-CONTAINMENT HIGH RANGE	2.93000+02	HALM	R/HR
18	R30	AREA 30-CONTAINMENT HIGH RANGE	3.22000+02	HALM	R/HR
19	R15	CONDENSER AIR EJECTOR EXHAUST	1.10000+02	GOOD	CPM
20	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.30000-07	GOOD	UCI/CC
21	R12A7	CV VENT CHAN 7-MID RANGE GAS	2.90000-05	GOOD	UCI/CC
22	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.90000-03	GOOD	UCI/CC
23	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.00000-05	HALM	UCI/CC
24	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	3.90000-05	HALM	UCI/CC
25	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.00000-03	GOOD	UCI/CC
26	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	5.50000-06	GOOD	UCI/CC
27	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	3.10000-05	GOOD	UCI/CC
28	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.10000-03	GOOD	UCI/CC
29	R31	AREA 31 STEAM LINE A (SPING)	1.00000-02	GOOD	MR/HR
30	R32	AREA 32 STEAM LINE B (SPING)	1.00000-02	GOOD	MR/HR
31	CVH	CV HYDROGEN CONCENTRATION	.00	GOOD	%
32	TCV03	CV BASEMENT LVL 6 FT TEMP #3	192.2	GOOD	DEGF
33	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	200.9	GOOD	DEGF
34	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	199.9	GOOD	DEGF
35	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	197.1	GOOD	DEGF
36	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	198.3	GOOD	DEGF
37	TCV17	CV OPERATING LVL 6 FT TEMP #17	210.5	GOOD	DEGF

E-0-J



SECTION 9.0

ONSITE RADIOLOGICAL AND CHEMISTRY DATA

SECTION 9.1

RADIOLOGICAL SUMMARY

1 Radiological Summary

A. Source Term

The radiological source term assumed for this scenario was selected to include appropriate quantities of noble gas, radioiodine and particulates resulting from the postulated loss of coolant accident scenario.

Immediate protective action recommendations (e.g., sheltering, evacuation) will be necessary based upon the projected whole body doses, which will exceed EPA Protective Action Guides within 3.5 miles from the plant (i.e., just beyond the outer boundary of the closest Wayne County ERPA W-1).

The assumed noble gas, radioiodine and particulate release quantities are shown in Figure 9.1 as a function of time. The scenario involves 1 release point which is from the Plant Vent. This occurs as follows:

<u>Time</u>	<u>Release Point</u>	<u>Release Rate (Ci/sec)</u>
1145-	Plant Vent	4.00 E+2 (Noble Gas)
1315		4.00 E-1 (Radioiodine)

The noble gas-to-radioiodine ratio assumed in this scenario is approximately 1000:1, during the period of release. Isotopic breakdowns of assumed noble gas, radioiodine and particulate release quantities are provided in Table 9.1.

B. Integrated Offsite Doses Due to Plume Exposure

The downwind integrated doses from the 1.5-hour scenario release are as follows:

Whole Body Dose (at 3.5 miles) = 1.10 REM

Child Thyroid Dose (at 3.5 miles) = 1.19 REM

TABLE 9.1

The assumed release quantities for the Ginna Exercise Scenario are summarized as follows:

Time : 1145-1315 hr

<u>Nuclide</u>	<u>Curie/Sec</u>	<u>Total Curies Released</u>
Kr-85	2.5E-01	1.3E+03
Kr-85m	2.5E+01	1.3E+05
Kr-87	4.0E+01	2.2E+05
Kr-88	6.0E+01	3.2E+05
Xe-131m	3.2E+00	1.7E+04
Xe-133	2.0E+02	1.1E+06
Xe-133m	3.2E+01	1.7E+05
Xe-135	4.0E+01	2.2E+05
Xe-135m	4.0E-01	2.2E+03
 Total Noble Gas	 4.0 E+02	 2.2E+06
 I-131	 6.4 E-02	 3.5E+02
I-132	9.22E-02	5.0E+02
I-133	1.28E-01	6.9E+02
I-135	1.16E-01	6.3E+02
 Total Radioiodine	 4.0 E-01	 2.2E+03
 Cs-134	 1.5E-04	 8.3E-01
Cs-137	7.0E-05	3.8E-01
Sr-89	1.7E-07	9.0E-04
Sr-90	1.5E-07	8.3E-04
Ba-140	3.6E-06	1.9E-02
La-140	3.6E-06	1.9E-02
 Total Long-Lived Particulate	 2.3E-04	 1.3E+00

NAME :LRGTSZ.E
REA NUCLEAR POWER PLANT

(1315)

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 1

GROUP DESCRIPTION
SC-703 PLANT STATUS*DON'T MODIFY

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
321	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	HIGHER	INHB	
322	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	HIGHER	INHB	
323	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	HIGHER	INHB	
324	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	HIGHER	INHB	
325	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	GOOD	
326	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	GOOD	
327	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	GOOD	
328	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	GOOD	
329	T0409A	RCLA HOT LEG TEMPERATURE	201.3	GOOD	DEGF
400	T0410A	RCLB HOT LEG TEMPERATURE	201.3	GOOD	DEGF
411	T0450	RCLA COLD LEG TEMPERATURE	201.3	GOOD	DEGF
422	T0451	RCLB COLD LEG TEMPERATURE	201.3	GOOD	DEGF
433	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	201.3	GOOD	DEGF
444	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	201.3	GOOD	DEGF
455	LRV	REACTOR VESSEL AVERAGE LEVEL	100.1	GOOD	%
	TCCORE	E1.1 INCORE TC AVERAGE TEMP	208.9	GOOD	DEGF
	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
499	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
500	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
501	V3505	AUX FEED PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
522	V3504	AUX FEED PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
533	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
544	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
555	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
566	P2161	SERVICE WATER PUMPS C & D HEADER	72.	GOOD	PSIG
577	BKR041	SERVICE WATER PUMP A	ON	GOOD	
588	BKR042	SERVICE WATER PUMP B	ON	GOOD	
599	BKR043	SERVICE WATER PUMP C	ON	GOOD	
600	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-0



22

1000

FIGURE 9.1

SOURCE TERM

NOBLE GAS

RADIOIODINE

PARTICULATE

1100

1145

1315

1400

CLOCK TIME

CURIES PER SECOND

100

0.01

0.0001

FIGURE 9.2

PLANT VENT RELEASES

UCI/CC VS. TIME

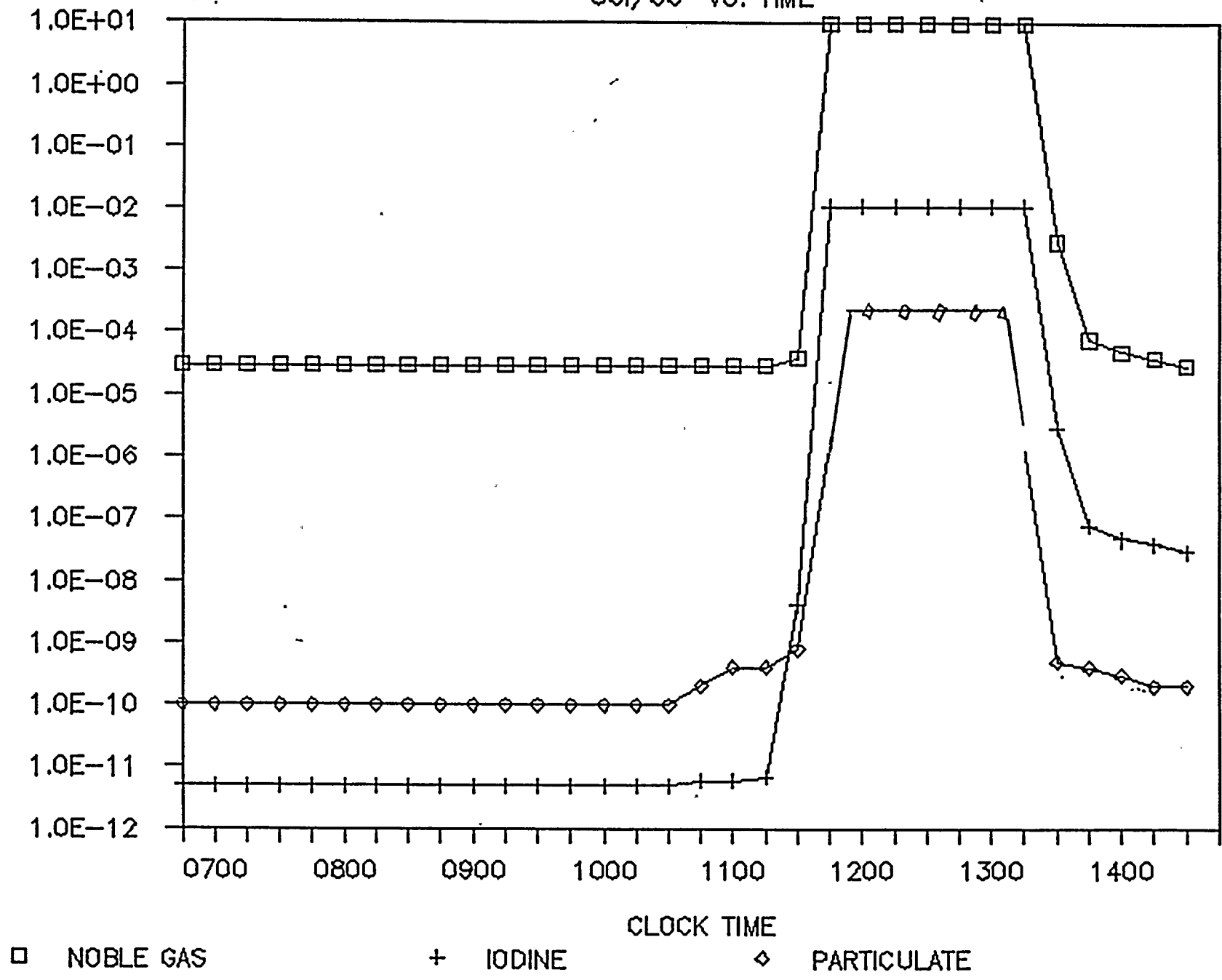


FIGURE 9.3

RCS ACTIVITY

UCI/GM VS. TIME

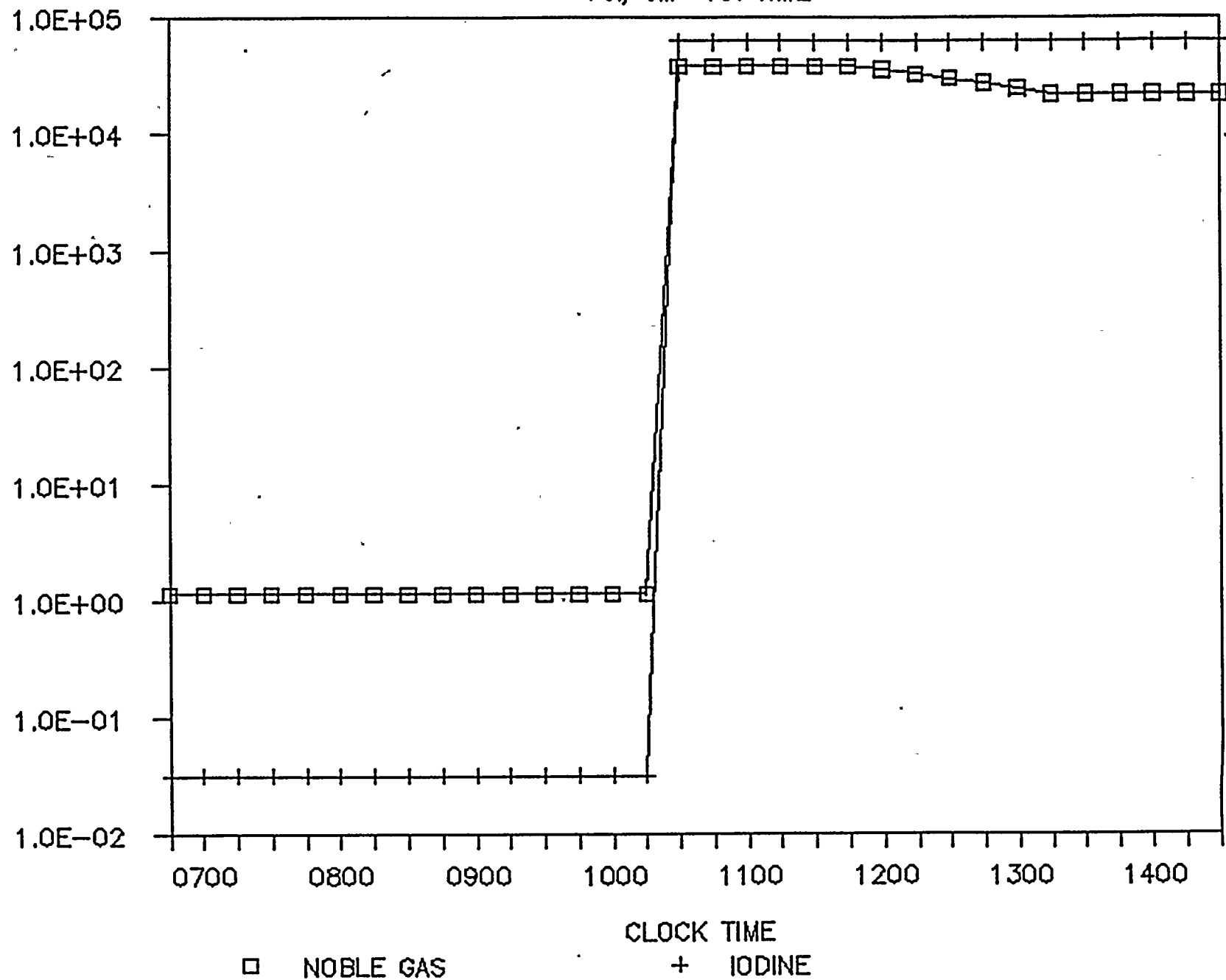
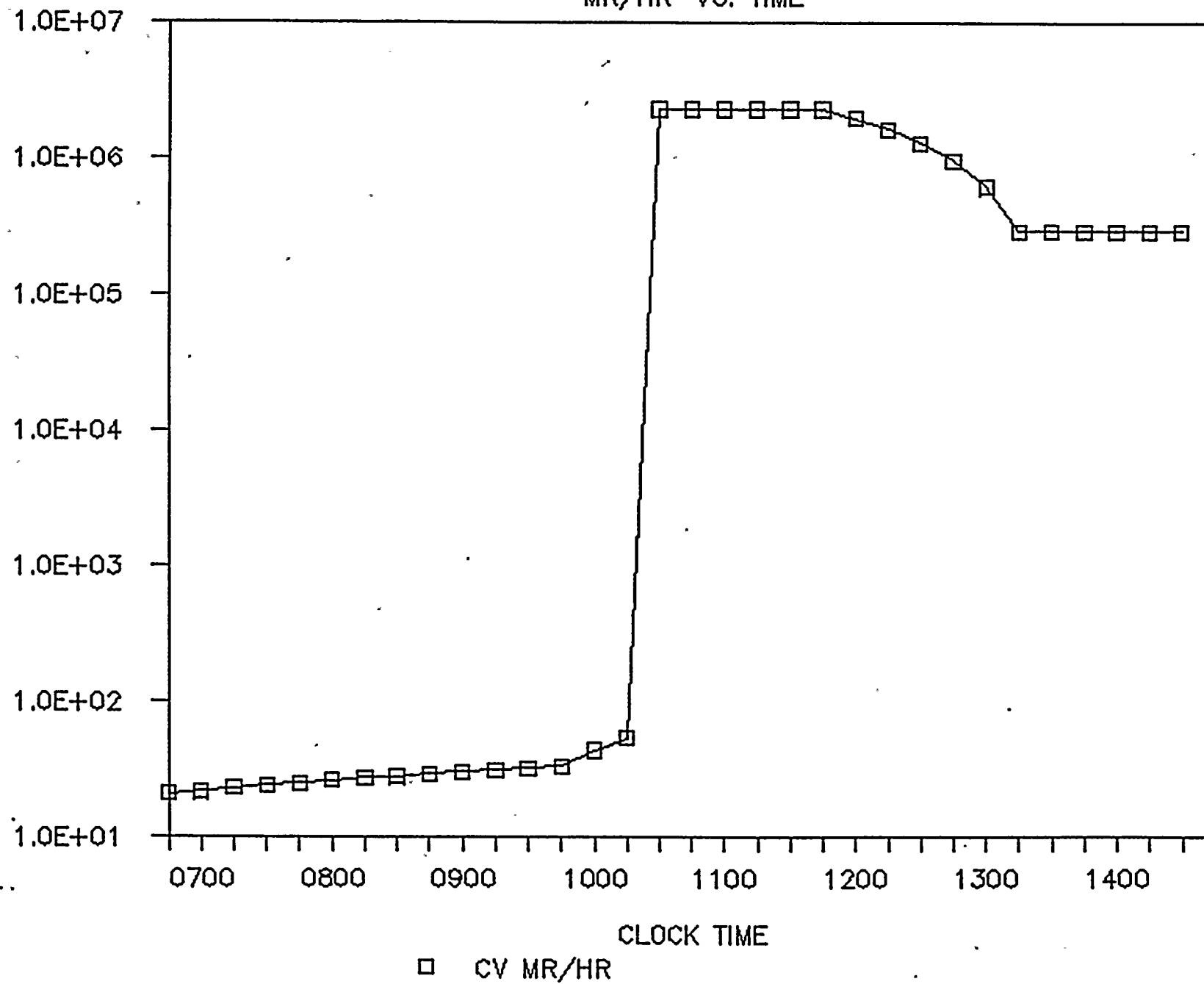


FIGURE 9.4

CV REGULATION

MR/HR VS. TIME





SECTION 9.2

IN-PLANT RADIOLOGICAL DATA MAPS

A

1 1/2
1 1/4
1 3/8
1 1/8
3/4
5/8
1/2
3/8
1/4
1/8
0

INCHES

1 1/2
1 1/4
1 3/8
1 1/8
3/4
5/8
1/2
3/8
1/4
1/8
0

INCHES

All readings in MR/HR:
unless otherwise noted.

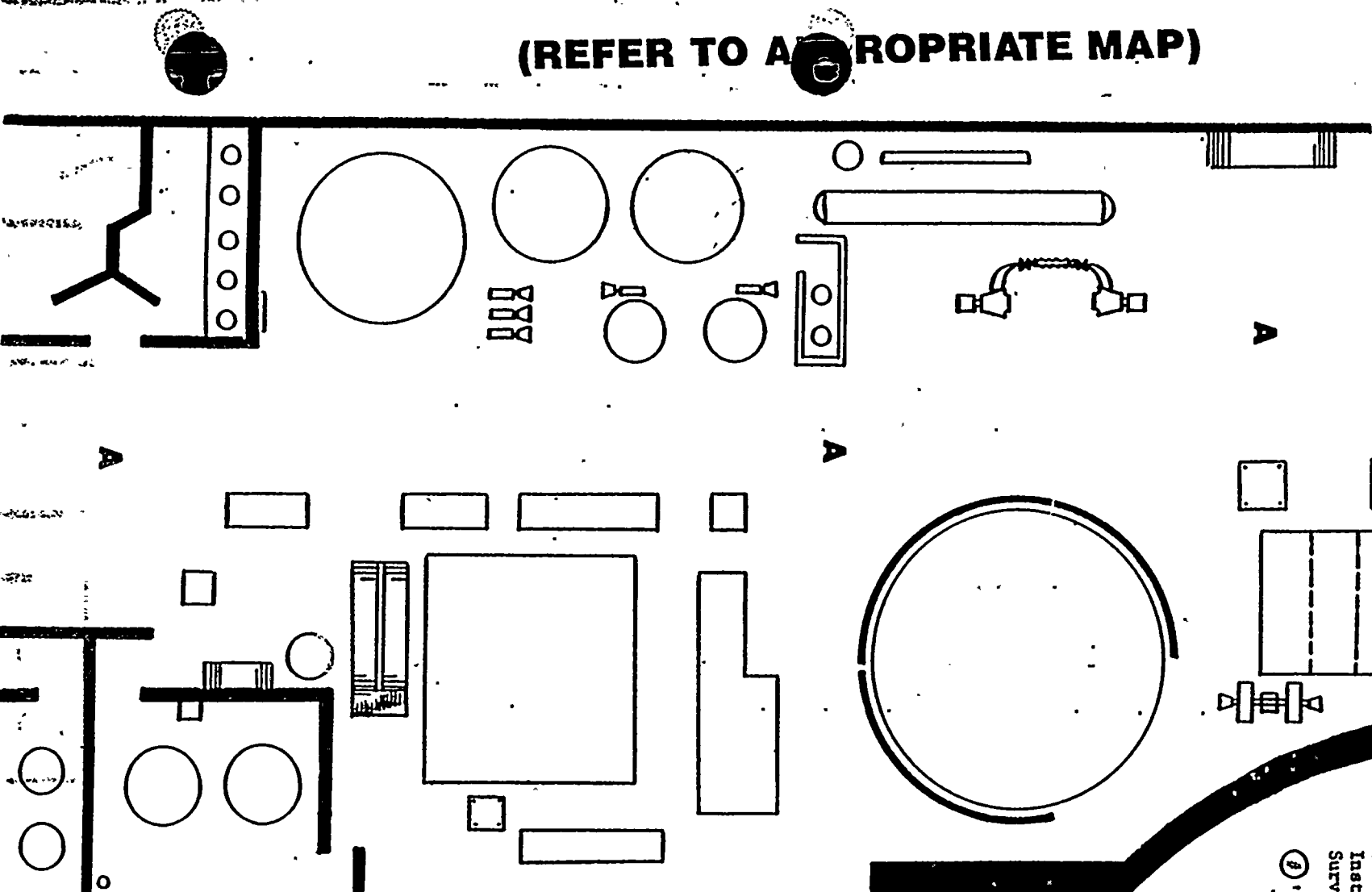
⑧'s are **SEAR** locations.

$$A = 0.15 \frac{\text{mL}}{\text{mL}}$$

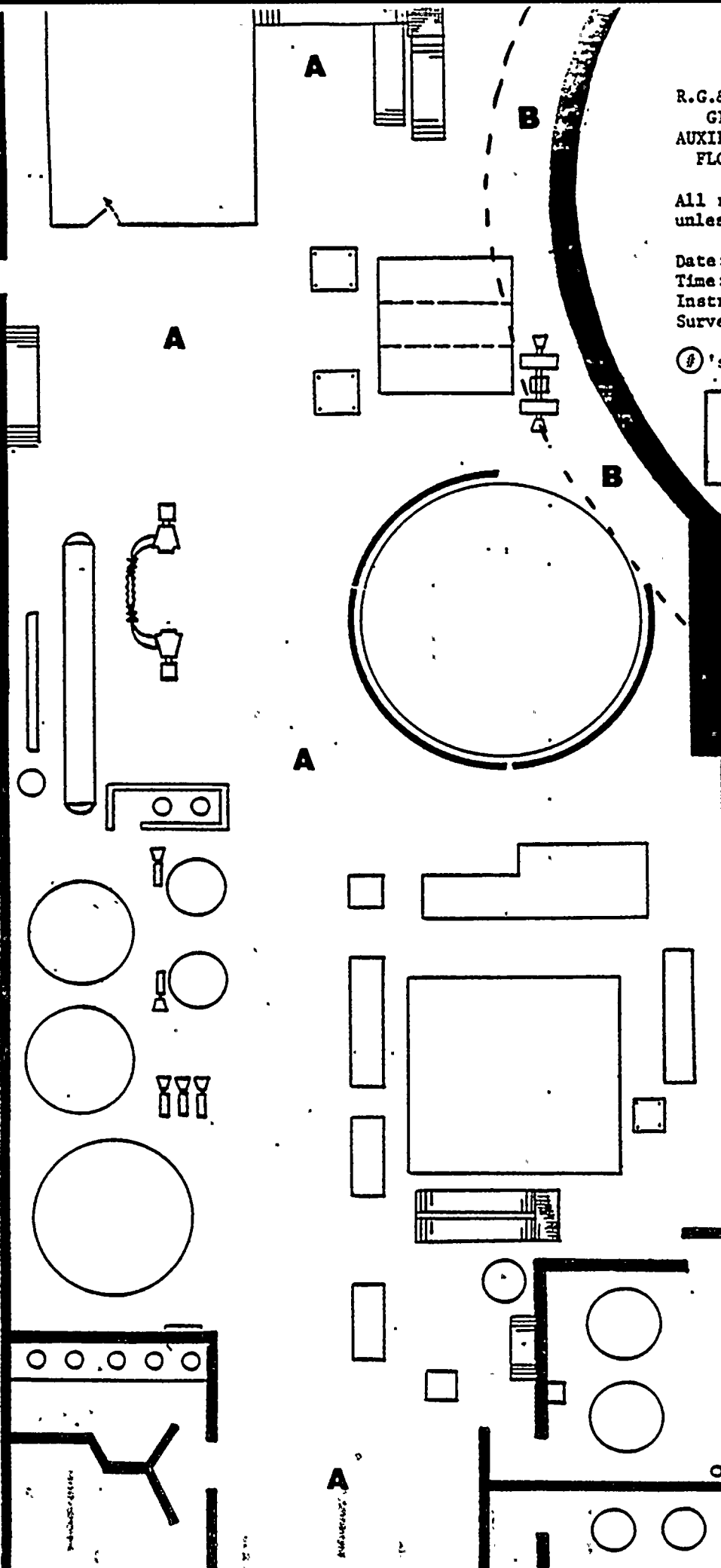
11. *How do you feel about the way the company handles its employees?*

[illegible]

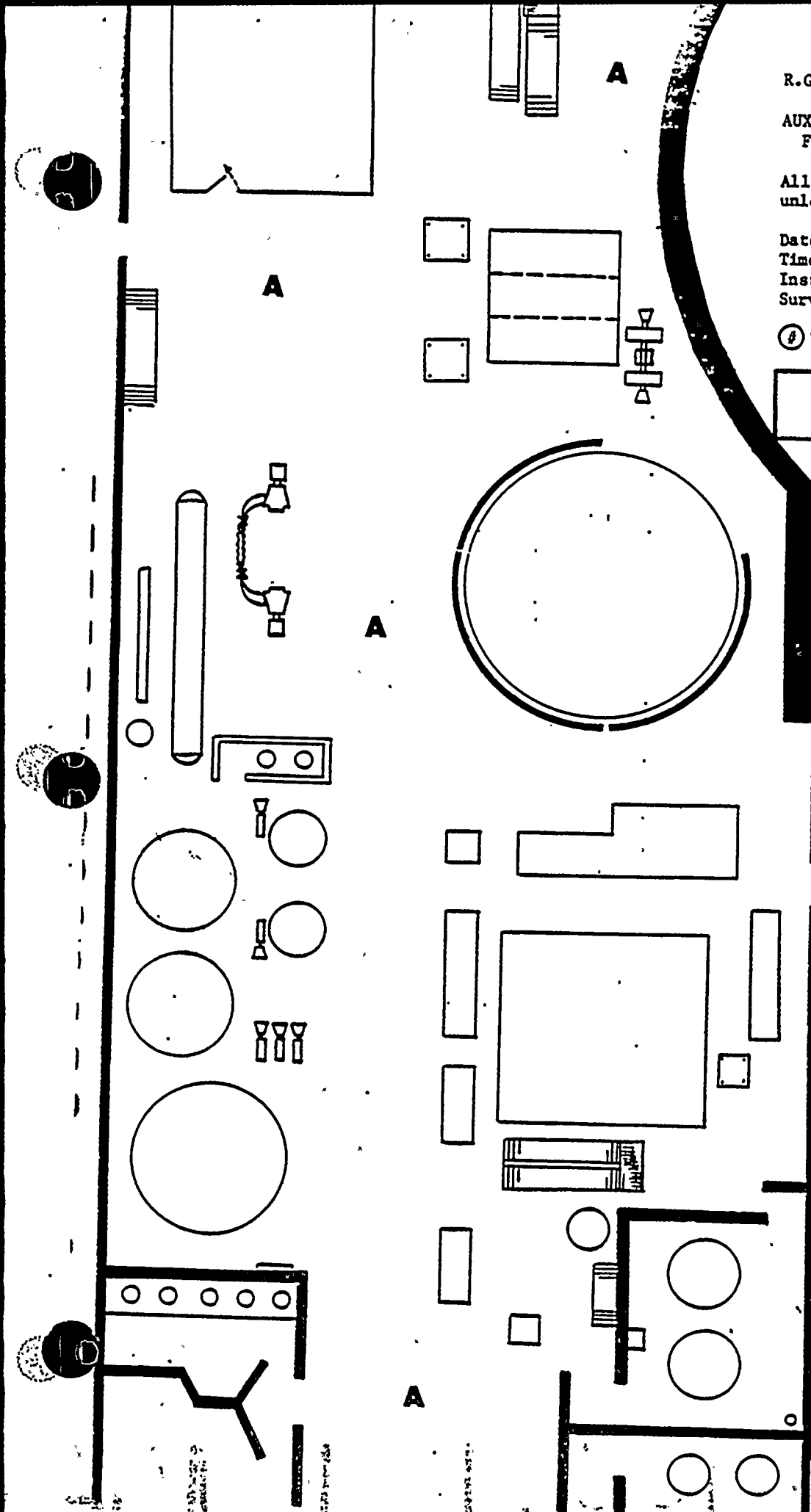
PARTICULATE & IE-10



PARTICULATE 1 E-10



7.4 EFO





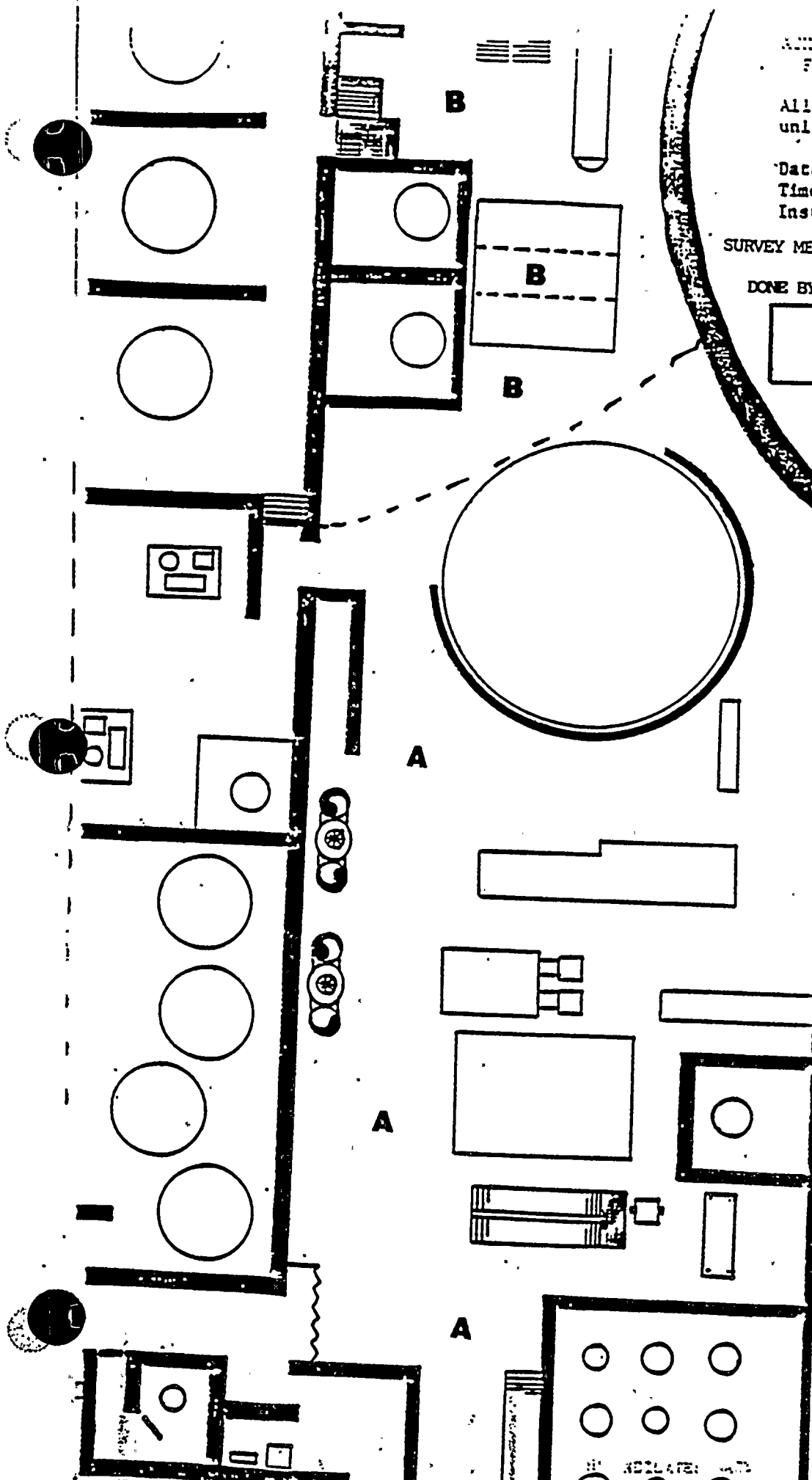
11/1/73

2E-6

UPPER CATWALK AREA

UPPER CATWALK AREA

UPPER CATWALK AREA



R.C. (AUXILIARY) F...

All un...

Date

Time

Inst

SURVEY ME...

DONE BY...

Date: 8-16-89

Time: 0645-1029

Instrument: _____

SURVEY METER _____ # _____

DONE BY _____

$$A = 0.5 \frac{hr}{hr}$$

SPZARS

[illegible]REMARKS: AIRBORNE
ACTIVITY (UCITEC)

FODINE: LIE-11

PARTICULATE:

27E-10

INDICATES: GATES



22

All readings in MR/HR.
unless otherwise noted.

Instrument: _____

SURVEY METER **#**

A = 500 MR/hr
B = 10 R/hr
C = 1000 R/hr

[illegible]

REMARKS: AIRBORNE
ACTIVITY (UCI/a)

IODINE: TEST

PARTICULATE:

TE-10

 INDICATES GATES

All readings in MR/HR.
unless otherwise noted.

Instrument: _____

SURVEY METER _____ # _____

$$B = 1000 \text{ R/hr}$$
[illegible]

2E-10

 INDICATES GATES



All readings in MR/HR.
unless otherwise noted.

Time: 1145-1315

Instrument: _____ # _____

SURVEY METER _____ # _____

$$B = 1000 \text{ R/hr}$$

REMARKS:
AIRBORNE
ACTIVITY (uCi/cc)

ENDING:
4 E-1

PARTICULATE:

3.0 E+0

 INDICATES GATES

All readings in MR/HR.
unless otherwise noted.

Date: **8-16-89**

Time: 1316-1430

Instrument:

SURVEY METER

A. = 20 R/hr

$$B = 1000 \text{ R/hr}$$
REMARKS:

AIRBORNE
ACTIVITY (uCi/cc)

EDPINE:

6E-5

PARTICULATE:

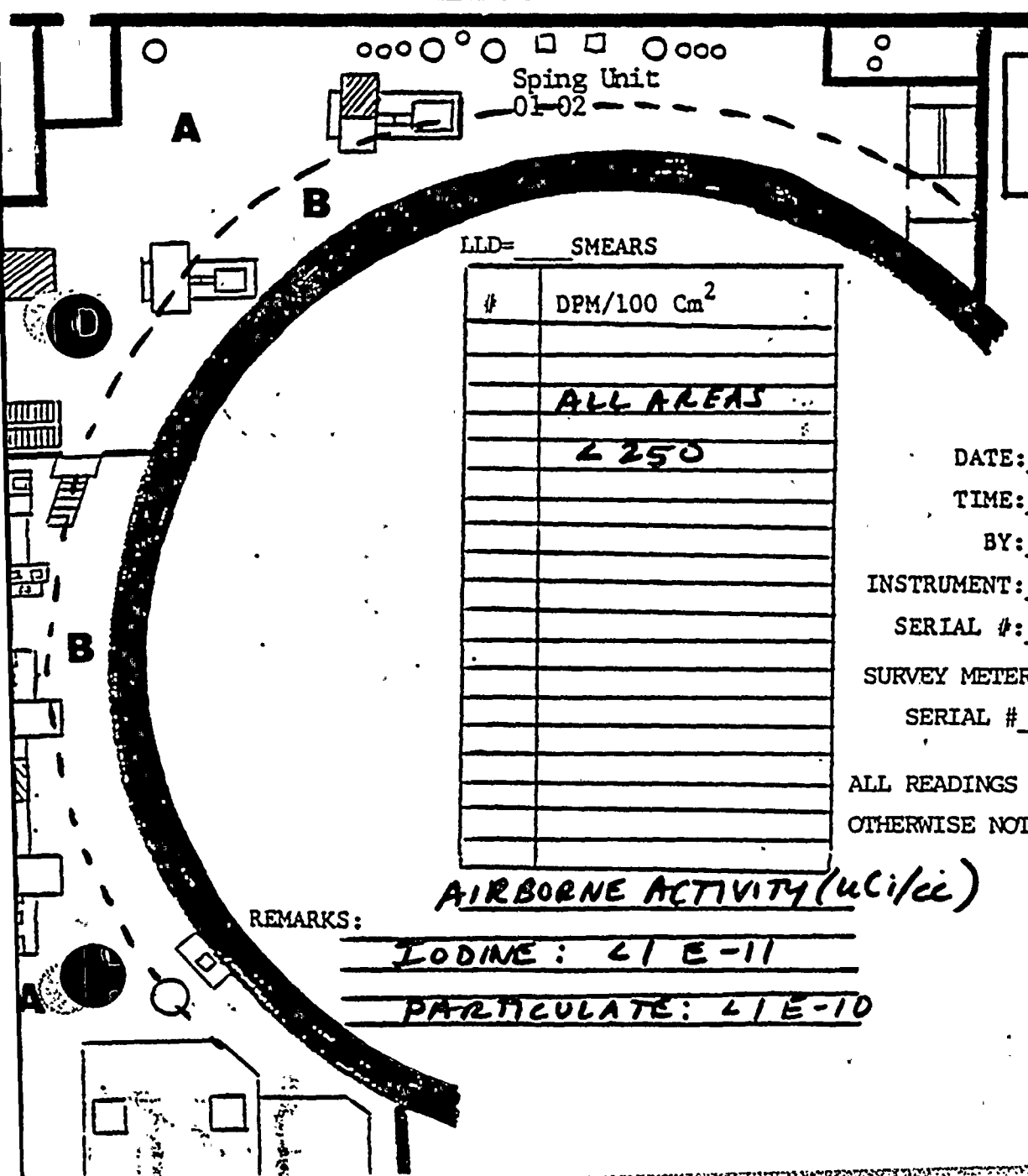
7E-5

INDICATES GATES



PARTICULATE: LIE-10

AIRBORNE ACTIVITY (uCi/cc)



B = 25 MR/HR

TIME: 1030-1144

BY:

INSTRUMENT:

SERIAL #:

SURVEY METER

SERIAL #

ALL READINGS IN MR/HR UNLESS
OTHERWISE NOTED

AIRBORNE ACTIVITY (uci/cc)

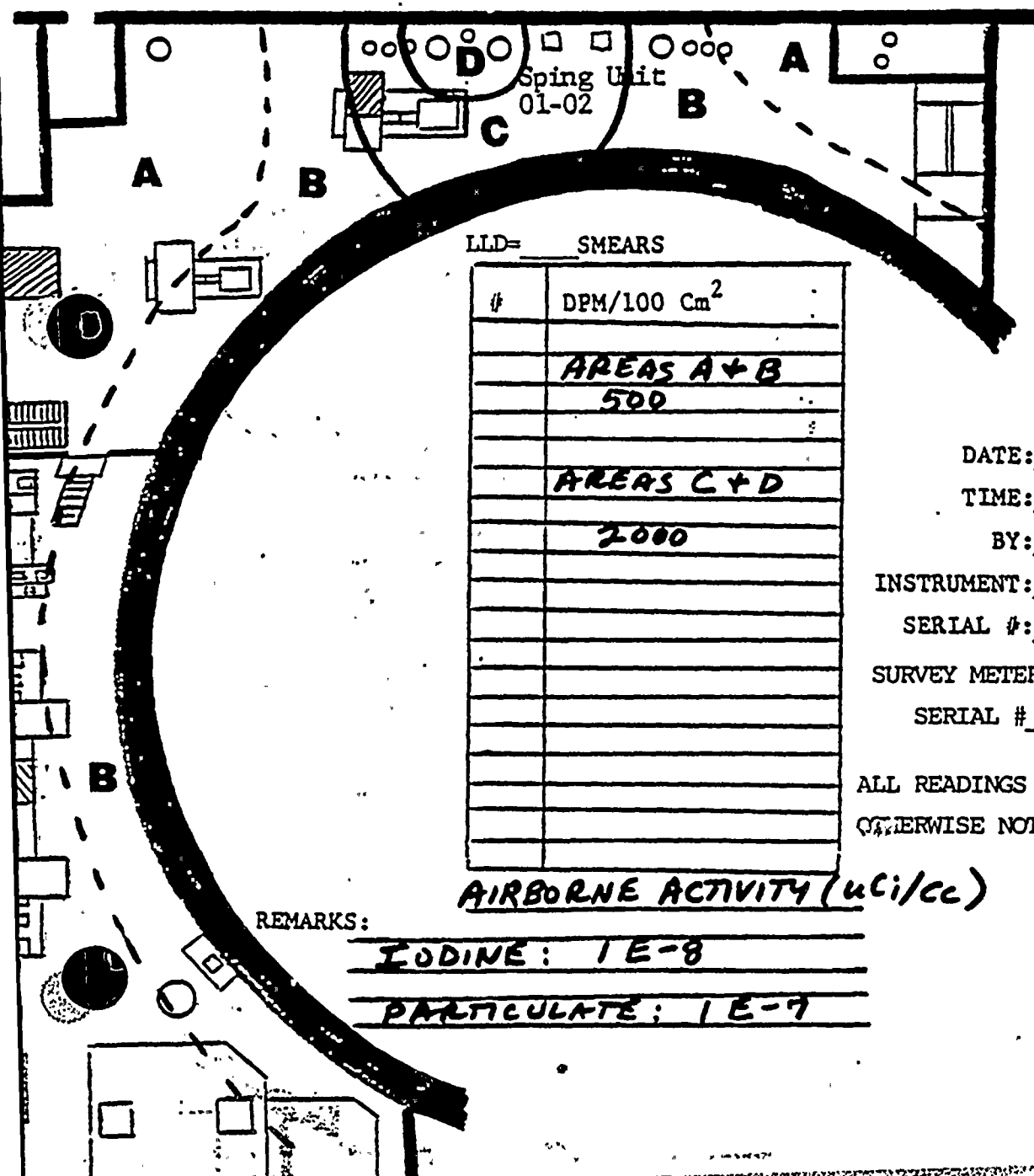
REMARKS:

IODINE: 41 E-11

PARTICULATE: 41 E-10

E
H
I




$$D = 2500 \text{ mm}^2/\text{hr}$$

* NOTE: PLANT VENT READING
= 10,000 MR/H₂ AT 1 FOOT

LLD= SMEARS

[illegible]

BY:

INSTRUMENT:

SERIAL #:

SURVEY METER

SERIAL #

ALL READINGS IN MR/HR UNLESS
OTHERWISE NOTED

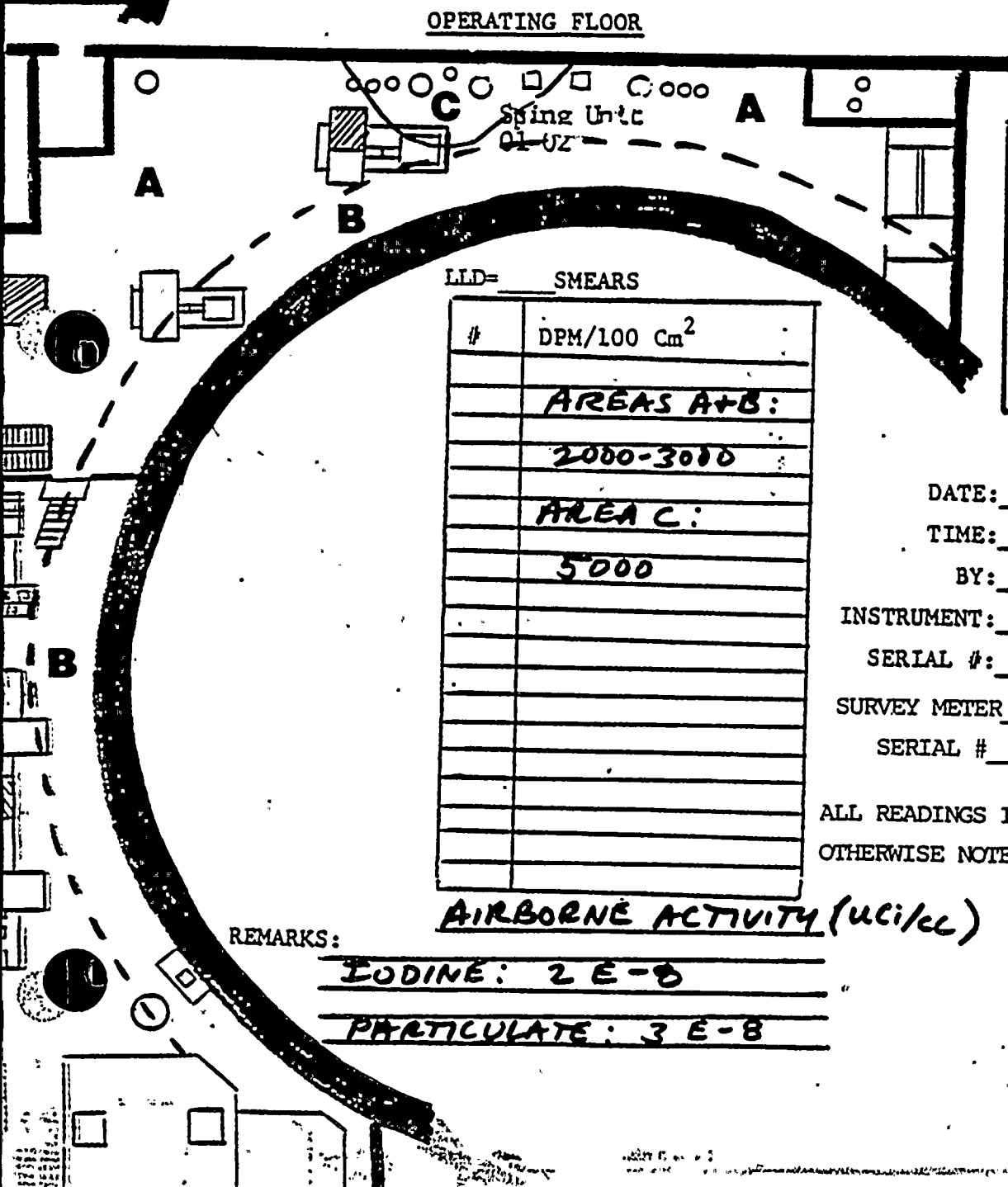
AIRBORNE ACTIVITY ($\mu\text{Ci/cc}$)

REMARKS:

IODINE: 1E-8

PARTICULATE: 1 E-7





A = 4 MR/HR
B = 7 MR/HR
C = 40 MR/HR

DATE: 8-16-89

TIME: 1316-1430

BY:

INSTRUMENT:

SERIAL #:

SURVEY METER

SERIAL #

ALL READINGS IN MR/HR UNLESS
OTHERWISE NOTED

LLD= SMEARS

[illegible]

AIRBORNE ACTIVITY (uci/cc)

REMARKS:

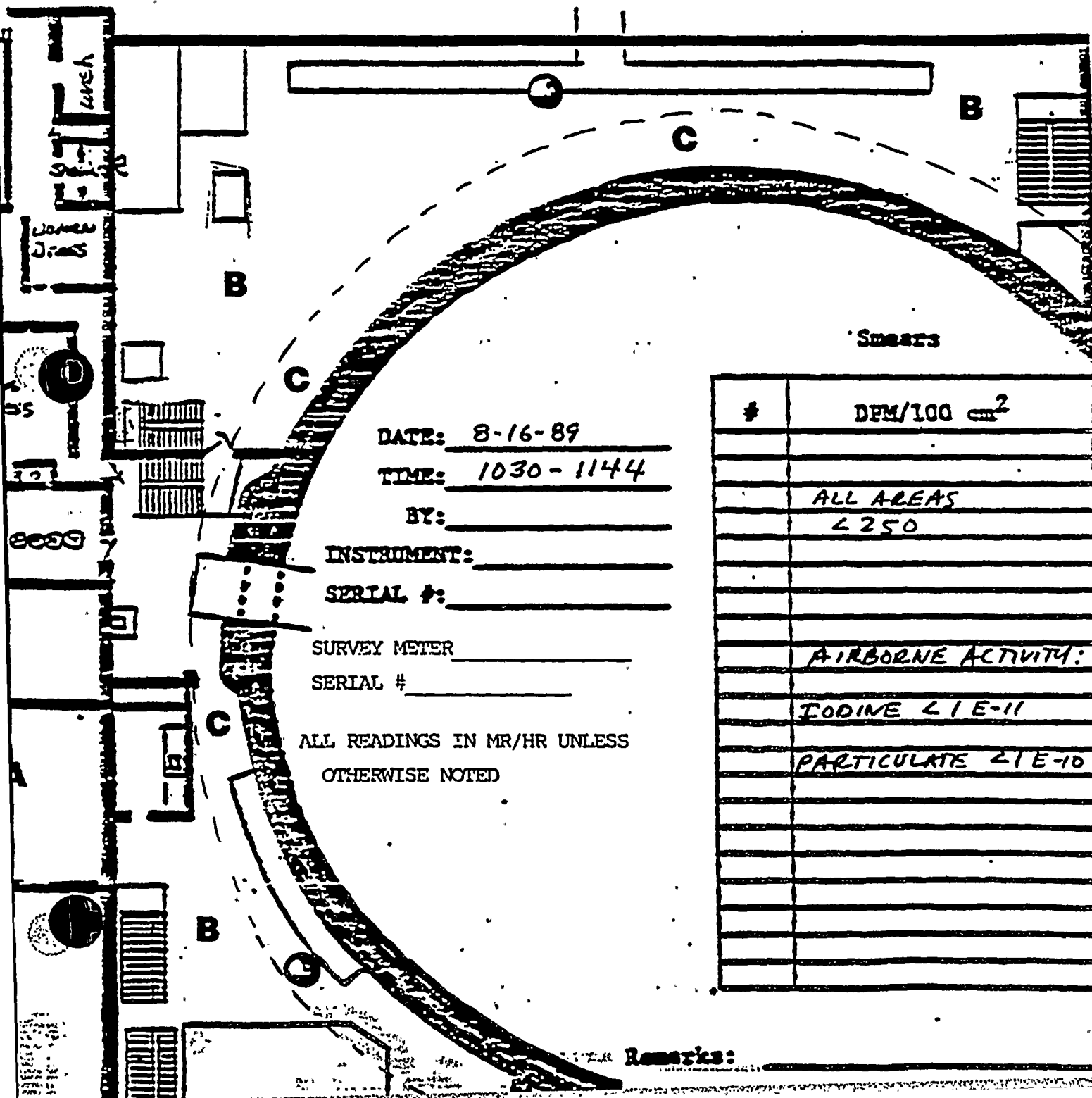
IODINE: 2 E-8

PARTICULATE: $3 \text{ E}-8$





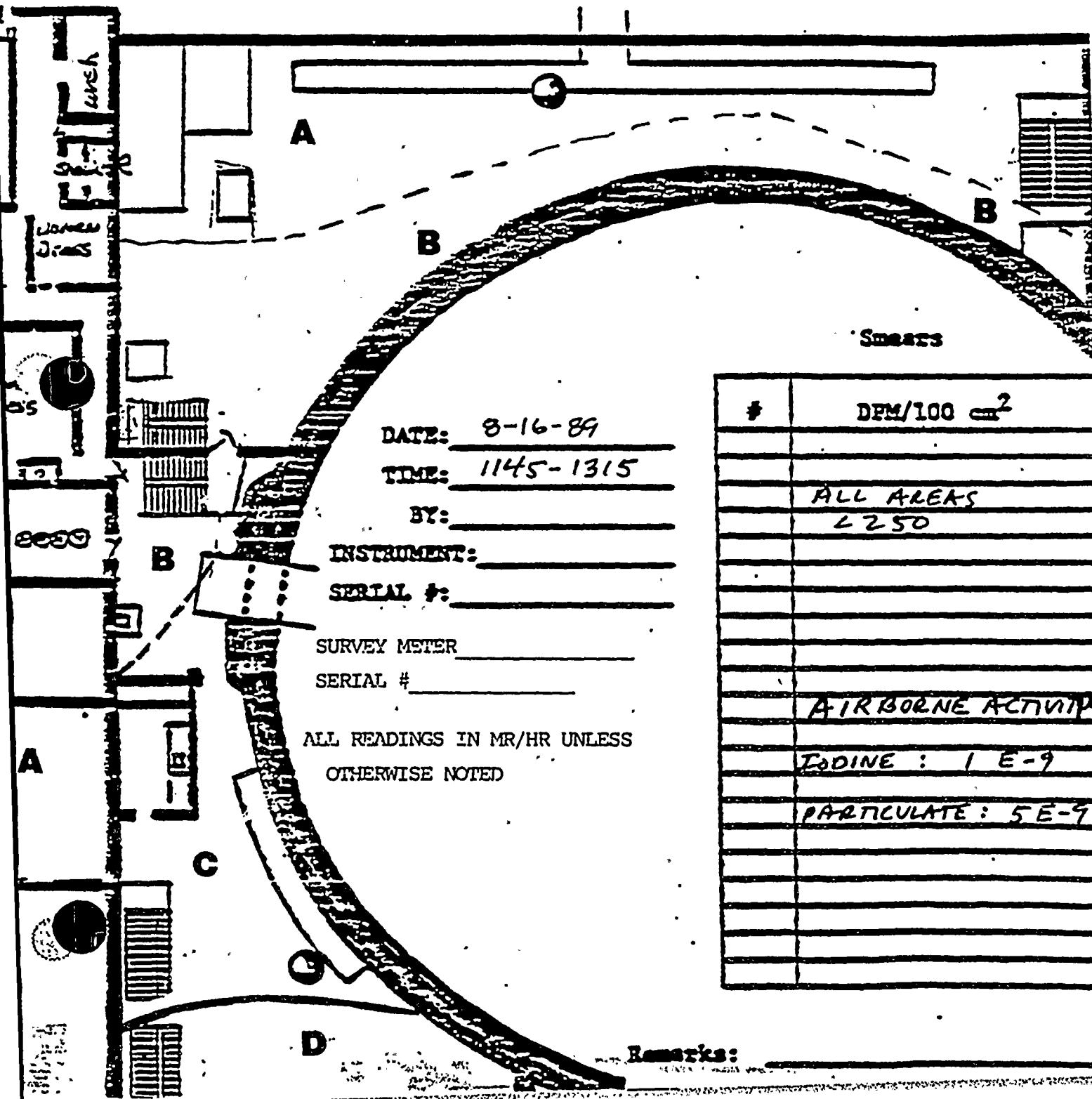
INTERMEDIATE BUILDING MEZZANINE FLOOR

$$A = 0.2 \text{ mK/Hz}$$
$$B = 2.5 \text{ MR/KR}$$
$$C = 25 \mu\text{F}/4\mu$$


Remarks:

INTERMEDIATE BUILDING MEZZANINE FLOOR

A = 0.3 mA/Hz
B = 25 mA/Hz
C = 350 mA/Hz
D = 2.0 R/Hz



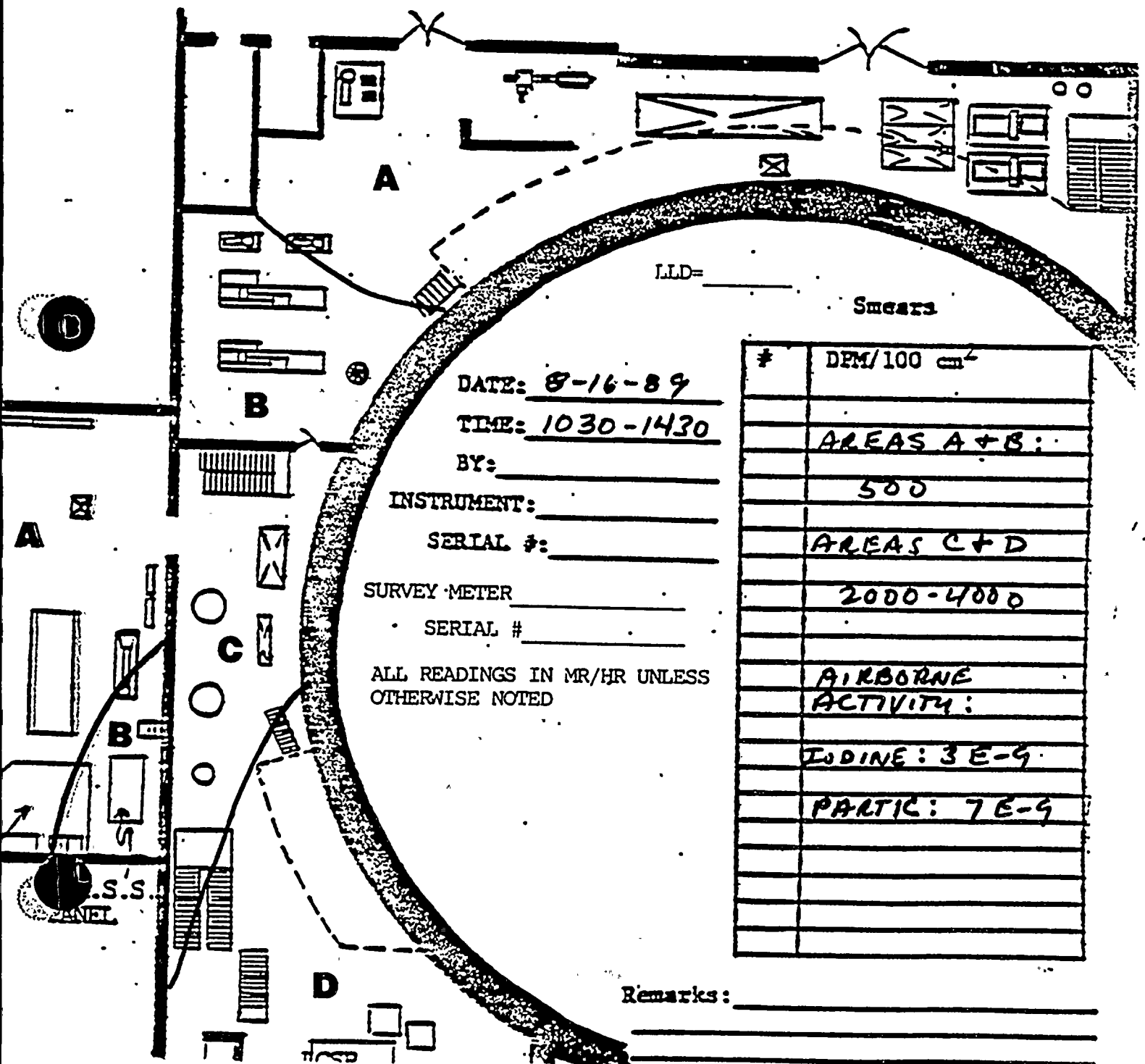
Remarks:

Results

GINNA STATION

SURVEY MAP

A = 25 MR/HR
B = 50 MR/HR
C = 300 MR/HR
D = 3 R/HR



RG&E
GINNA STATION

TURBINE BUILDING OPERATING FLOOR

SURVEY MAP

A = 0.2 mR/hr

B = 15 mR/hr

8-16-89 1145-1430

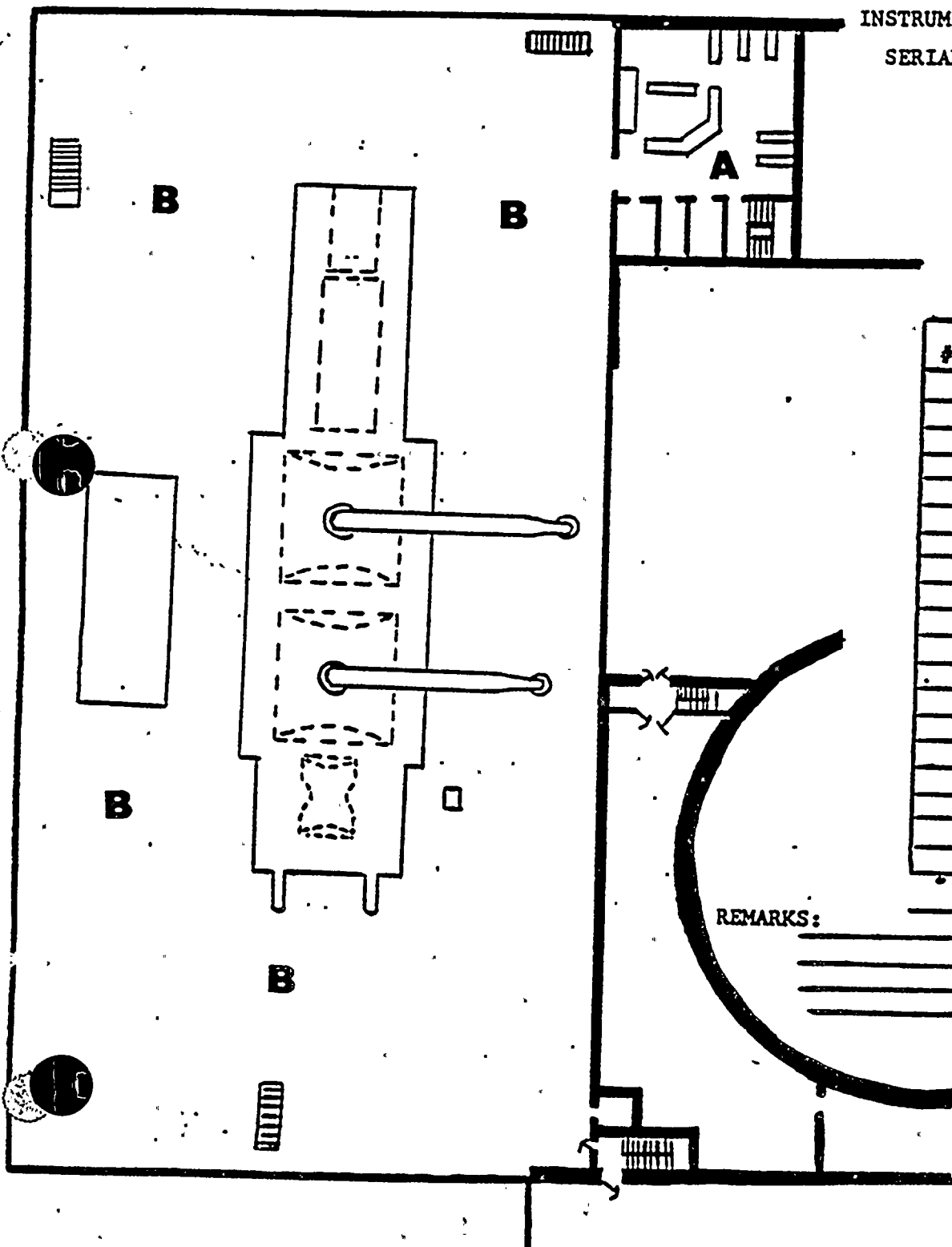
DATE: TIME:

POWER: BY:

INSTRUMENT:

SERIAL #:

NORTH



SMEARS

#	DEM/100 Cm ²
	AREA B
	250-1000
	AREA A
	2250
	AIRBORNE
	ACTIVITY (uCi/cc)
	IODINE: 1E-8
	PARTICULATE:
	2E-8

REMARKS:



RG&E
GINNA STATION

TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

A = 0.02 mR/hr

TSC = 0.02 mR/hr

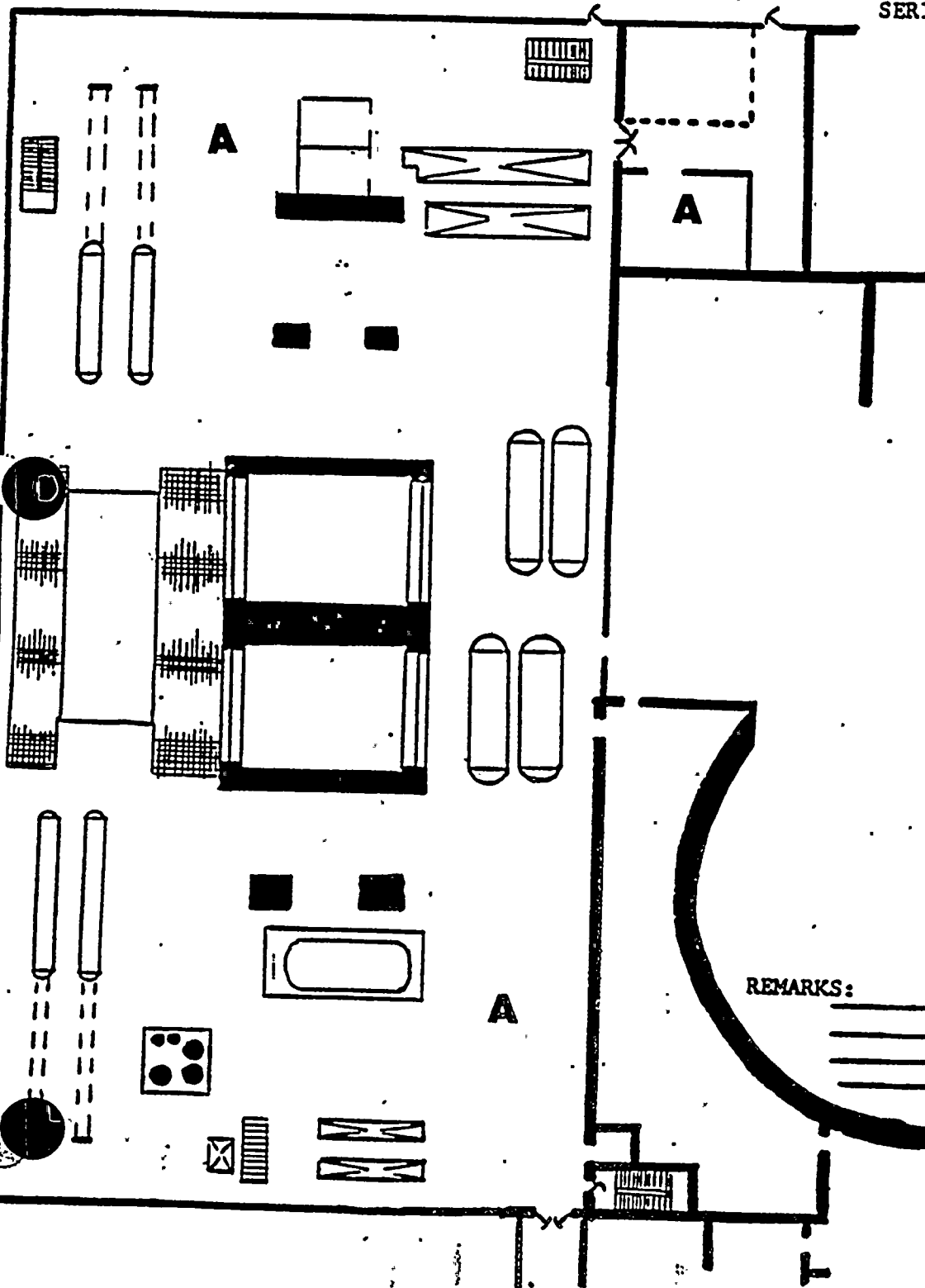
NORTH
←

DATE: 8-16-89 TIME: 0645-1144

POWER: BY:

INSTRUMENT:

SERIAL #:



SMEARS

#	DPH/100 Cm ²
	ALL AREAS
	< 250
	AIRBORNE
	ACTIVITY (uCi/lc)
	IODINE: < 1 E-11
	PARTICULATE:
	< 1 E-10

REMARKS:

RG&E
GINNA STATION

TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

A = 0.2 MR/HR
B = 5 MR/HR
TSC = 0.2 MR/HR

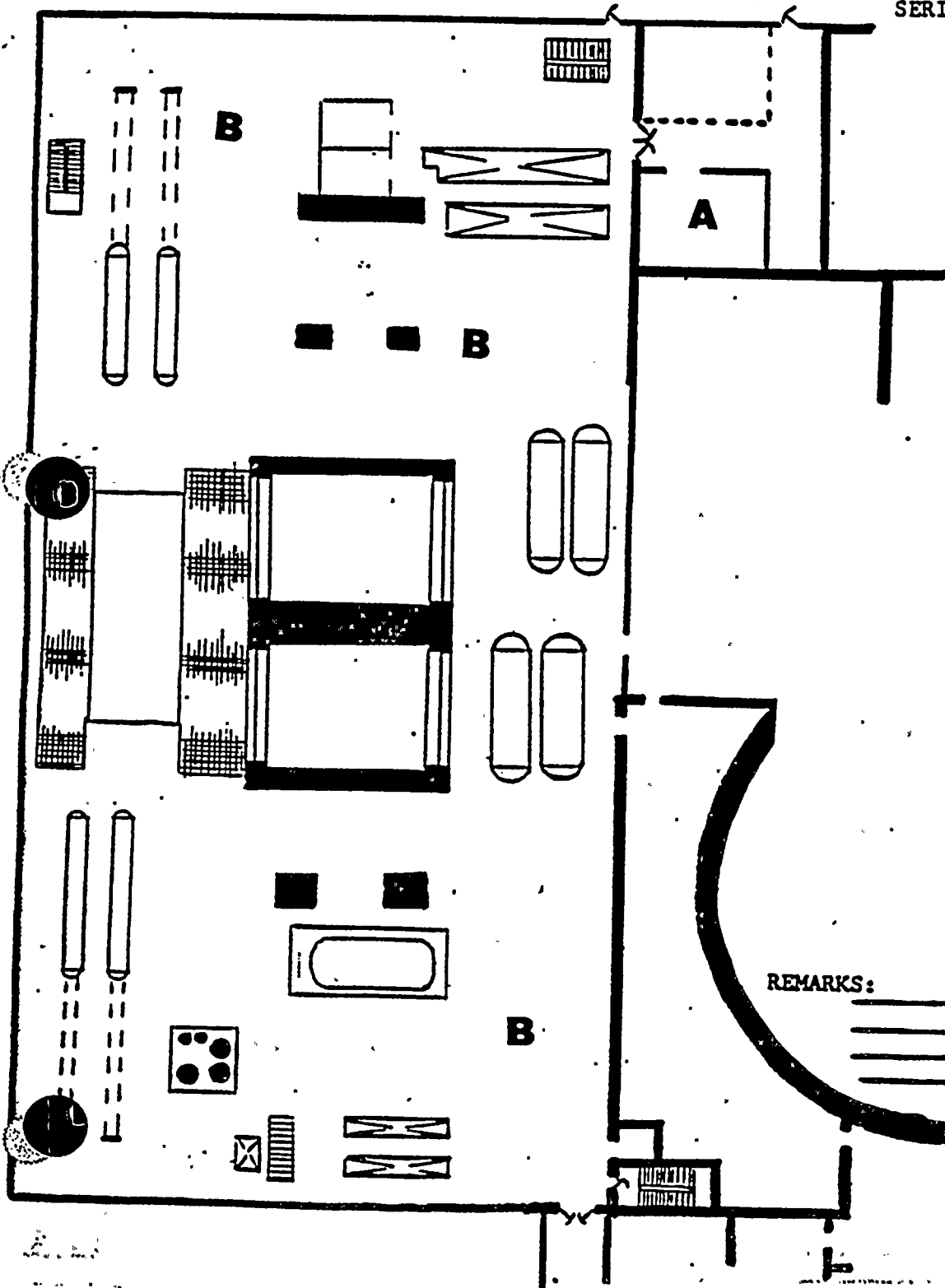
DATE: 8-16-89 TIME: 1145-143

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

NORTH
←



SMEARS

#	DPM/100 cm ²
	ALL AREAS
	250-500
	AIRBORNE
	ACTIVITY (uCi/cc)
	IODINE: 3 E-9
	PARTICULATE:
	9 E-9

REMARKS:



REMARKS:

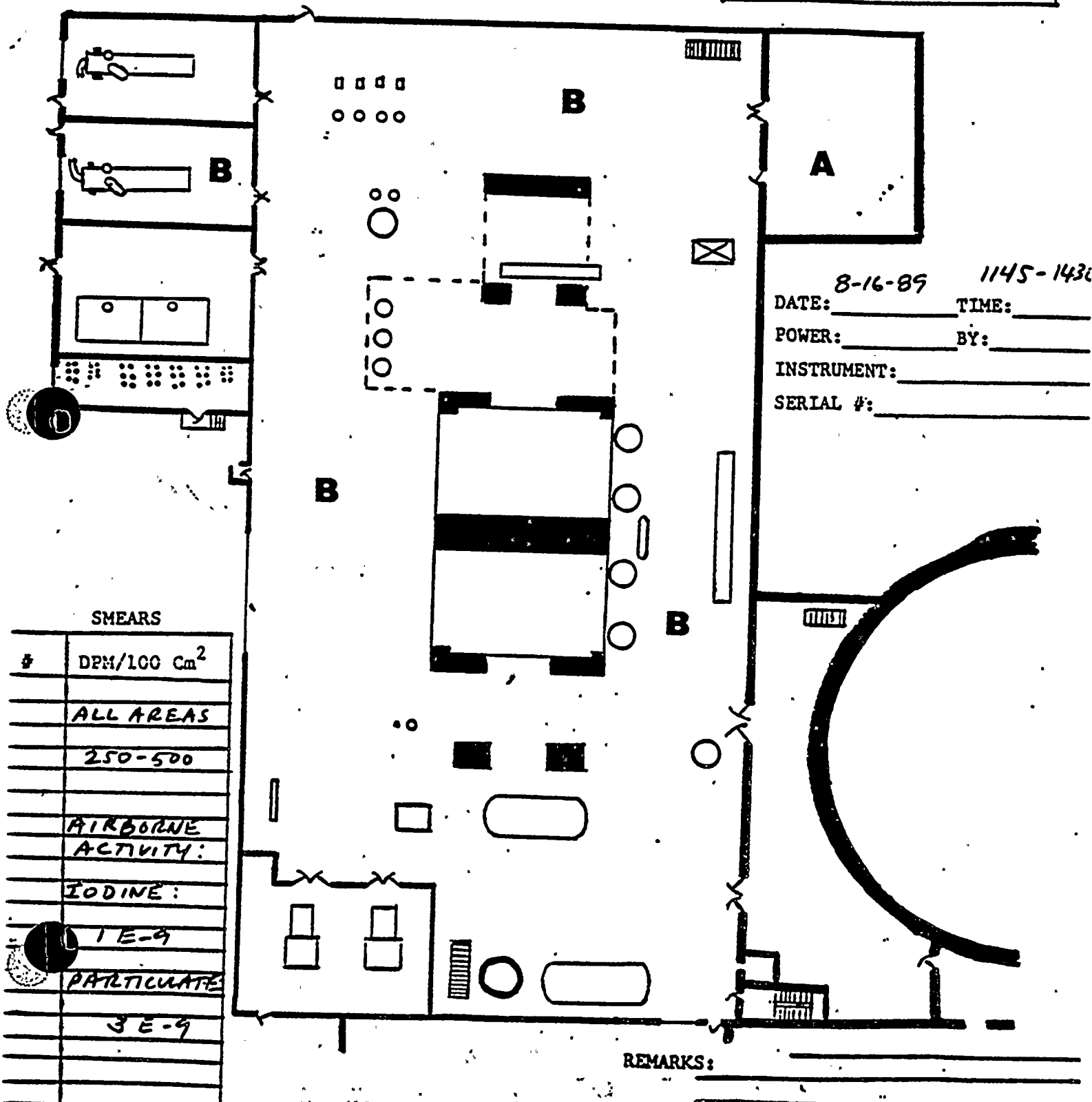
RG&E
GINNA STATION

TURBINE BUILDING BASEMENT FLOOR

SURVEY MAP

A = 0.2 MR/HR
B = 1 MR/HR

NORTH ←



DATE: 8-16-89 TIME: 1145-1436
POWER: _____ BY: _____
INSTRUMENT: _____
SERIAL #: _____

SMEARS

#	DPM/100 Cm ²
	ALL AREAS
	250-500
	AIRBORNE
	ACTIVITY:
	IODINE:
	1 E-9
	PARTICULATE
	3 E-9

REMARKS: _____

8-16-89

0645-1144 HR

A = 0.02 M/HR

B = 0.1 M/HR

SMEARS:

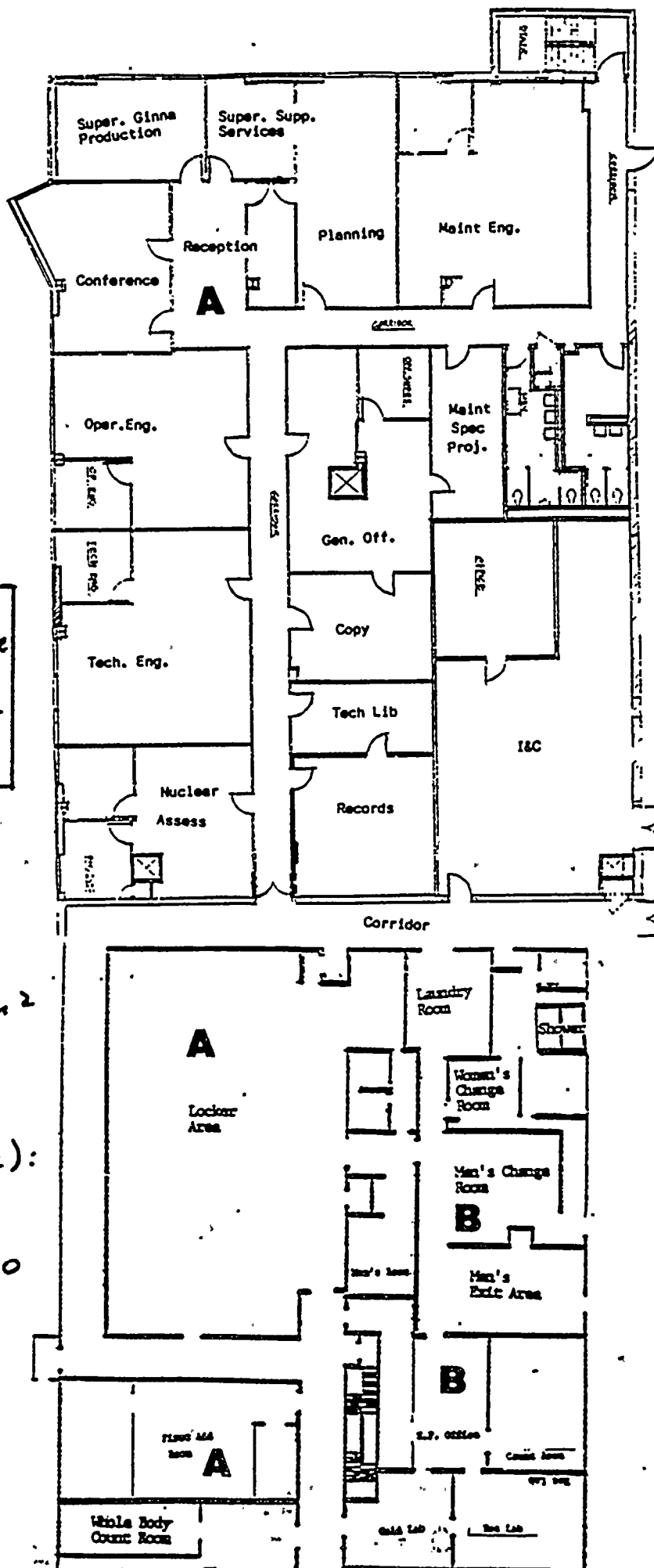
ALL AREAS

< 250 dpm/100 cm²

AIRBORNE (uCi/cc):

IODINE: < 1 E-11

PARTIC: < 1 E-10



8-16-89

1145-1430 HR

A = 0.1 MNI/HR

B = 0.5 MNI/HR

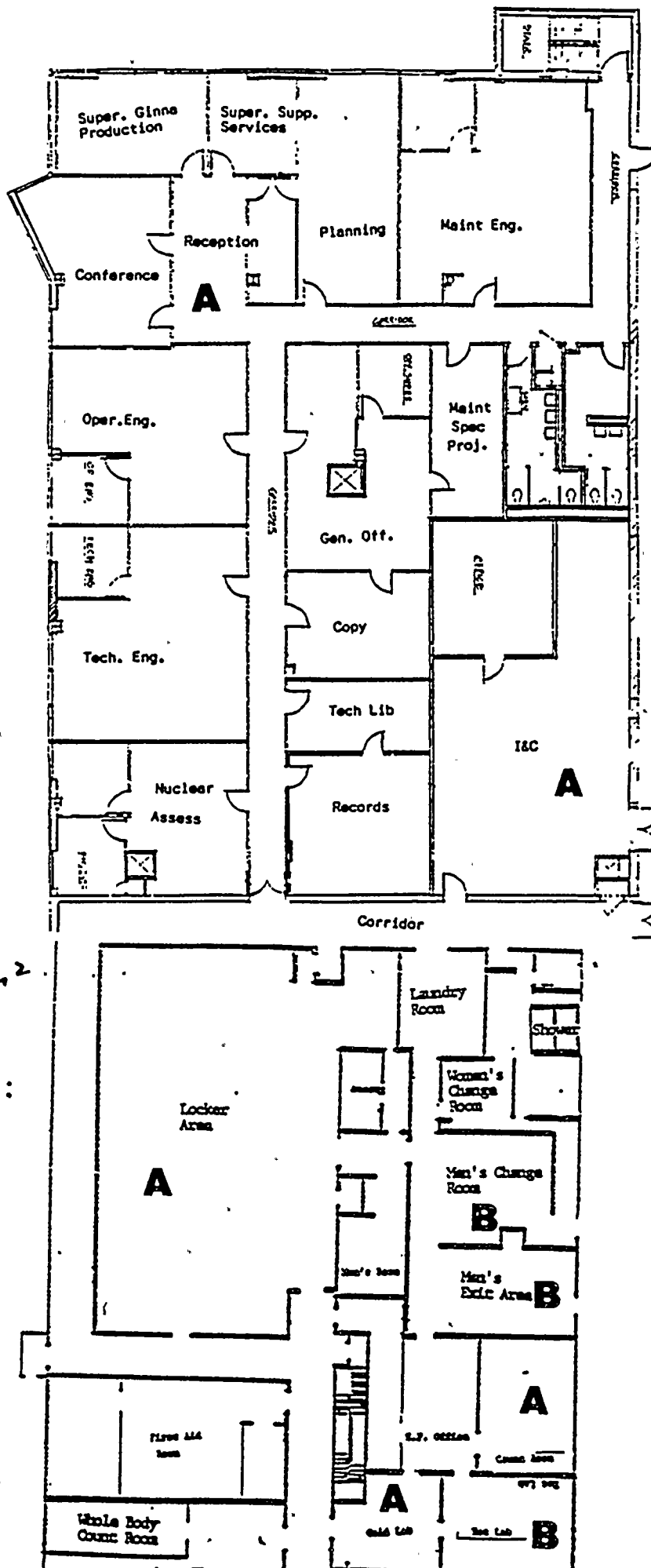
SMEARS:

~ 250 dpm / 100cm²

AIRBORNE (uCi/cc):

IODINE: 1 E-9

PART: 2 E-9



SECTION 9.3

IN-PLANT AND POST-ACCIDENT SAMPLING RESULTS

TABLE 9.2

REACTOR COOLANT SYSTEM SAMPLE ACTIVITY
EQUILIBRIUM ACTIVITY

(AS OF 0400 HR)

<u>Nuclide</u>	<u>Corrected Concentration (UCI/GM)</u>
I-131	3.8E-03
I-132	5.4E-03
I-133	7.6E-03
I-134	8.2E-03
I-135	6.6E-03
Total Iodine	3.2E-02
I-131 Dose Equivalent	5.5E-03
Kr-85	4.5E-03
Kr-85m	2.4E-02
Kr-87	4.4E-02
Kr-88	5.3E-02
Xe-131m	1.3E-02
Xe-133	5.3E-01
Xe-133M	5.9E-03
Xe-135	1.7E-01
Xe-135m	6.0E-02
Total Gas	1.2E+00

TABLE 9.3A

REACTOR COOLANT SYSTEM SAMPLE:
GAS COLLECTION BOMB

(Collection Between 1030-1144)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>
Kr-85	1.8E+01
Kr-85m	1.7E+03
Kr-87	2.9E+03
Kr-88	4.4E+03
Xe-131m	2.3E+02
Xe-133	1.5E+04
Xe-133m	2.3E+03
Xe-135	2.9E+03
Xe-135m	2.9E+02
 Total Gas	 2.9E+04

Time of Reactor Shutdown	=	10:30	
Diluted Sample Dose Rate at 1 Meter	=	174.02	MR/HR
Undiluted Sample Dose Rate at Contact	=	1740.23	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.03	MR/HR
Diluted Sample Dose Rate at Contact	=	313.24	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.

TABLE 9.3B

REACTOR COOLANT SYSTEM SAMPLE:
GAS COLLECTION BOMB

(Collection Between 1145-1430)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>
Kr-85	7.6E+00
Kr-85m	7.4E+02
Kr-87	1.2E+03
Kr-88	1.8E+03
Xe-131m	9.8E+01
Xe-133	6.3E+03
Xe-133m	9.8E+02
Xe-135	1.2E+03
Xe-135m	1.2E+02
 Total Gas	 1.2E+04

Time of Reactor Shutdown	=	10:30	
Diluted Sample Dose Rate at 1 Meter	=	73.83	MR/HR
Diluted Sample Dose Rate at Contact	=	738.28	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.01	MR/HR
Diluted Sample Dose Rate at Contact	=	132.89	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.

TABLE 9.4A

PRIMARY COOLANT SAMPLE:
DEGASSED ACTIVITY

(Collection Between 1030-1144)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>	
I-131	7.6E+03	
I-132	1.1E+04	
I-133	1.5E+04	
I-134	4.7E+02	
I-135	1.4E+04	
CS-134	8.0E+03	
CS-137	4.5E+03	
BA-140	1.1E+02	
LA-140	9.8E+01	
Total Iodine	4.7E+04	
I-131 Dose Equivalent	1.0E+04	
Total Degassed Activity	6.1E+04	
Time of Reactor Shutdown	=	10:30
Diluted Sample Dose Rate at 1 Meter	=	284.69 MR/HR
Undiluted Sample Dose Rate at Contact	=	2846.90 R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.05 MR/HR
Diluted Sample Dose Rate at Contact	=	512.44 MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.

TABLE 9.4B

PRIMARY COOLANT SAMPLE:
DEGASSED ACTIVITY

(Collection Between 1145-1430)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>		
I-131	5.1E+03		
I-132	7.3E+03		
I-133	1.0E+04		
I-134	3.2E+02		
I-135	9.2E+03		
CS-134	8.0E+03		
CS-137	4.5E+03		
BA-140	1.1E+02		
LA-140	9.8E+01		
Total Iodine	3.2E+04		
I-131 Dose Equivalent	7.0E+03		
Total Degassed Activity	4.5E+04		
Time of Reactor Shutdown	=	10:30	
Diluted Sample Dose Rate at 1 Meter	=	189.79	MR/HR
Diluted Sample Dose Rate at Contact	=	1897.93	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.03	MR/HR
Diluted Sample Dose Rate at Contact	=	341.63	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.



TABLE 9.5A

CONTAINMENT SUMP SAMPLE:
DEGASSED ACTIVITY

(Collection Between 1030-1144)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>		
I-131	3.6E+02		
I-132	5.2E+02		
I-133	7.3E+02		
I-134	2.2E+01		
I-135	6.6E+02		
CS-134	2.2E+02		
CS-137	1.2E+02		
BA-140	3.1E+00		
LA-140	2.8E+00		
Total Iodine	2.2E+03		
I-131 Dose Equivalent	5.0E+02		
Total Degassed Activity	2.7E+03		
Time of Reactor Shutdown	=	10:30	
Diluted Sample Dose Rate at 1 Meter	=	13.50	MR/HR
Undiluted Sample Dose Rate at Contact	=	135.00	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.01	MR/HR
Diluted Sample Dose Rate at Contact	=	24.40	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.

TABLE 9.5B

CONTAINMENT SUMP SAMPLE:
DEGASSED ACTIVITY

(Collection Between 1145-1430)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>		
I-131	6.7E+02		
I-132	9.9E+02		
I-133	1.4E+03		
I-134	4.2E+01		
I-135	1.2E+03		
CS-134	8.4E+02		
CS-137	4.8E+02		
BA-140	1.2E+01		
LA-140	1.0E+01		
 Total Iodine	 4.2E+03		
I-131 Dose Equivalent	9.5E+02		
Total Degassed Activity	5.7E+03		
 Time of Reactor Shutdown	 = 10:30		
Diluted Sample Dose Rate at 1 Meter	= 26.00 MR/HR		
Diluted Sample Dose Rate at Contact	= 26.00 R/HR		
Diluted Sample Dose Rate at 1 Meter	= 0.01 MR/HR		
Diluted Sample Dose Rate at Contact	= 46.00 MR/HR		

* NOTE: Dose rates based upon assumed use of 12 cc sample.

TABLE 9.6A

CONTAINMENT AIR SAMPLE:

(Collection Between 1030-1144)

<u>Nuclide</u>	<u>Concentration (UCI/CC)</u> <u>Corrected to Time of Shutdown</u>
Kr-85	3.4E-02
Kr-85m	3.2E+00
Kr-87	5.4E+00
Kr-88	8.1E+00
Xe-131m	4.3E-01
Xe-133	2.8E+01
Xe-133m	4.3E+00
Xe-135	5.4E+00
Xe-135m	5.4E-01
 Total Gas	 5.4E+01
 I-131	 1.4E+00
I-132	2.0E+00
I-133	2.8E+00
I-134	8.9E-02
I-135	2.6E+00
 Total Iodine	 8.9E+00
CS-134	2.5E-06
CS-137	1.0E-04
BA-140	3.1E-06
LA-140	3.0E-06

* NOTE: Dose rates based upon assumed use of 10 cc sample.



TABLE 9.6B

CONTAINMENT AIR SAMPLE:

(Collection Between 1145-1430)

<u>Nuclide</u>	<u>Concentration (UCI/CC)</u> <u>Corrected to Time of Shutdown</u>
Kr-85	1.9E-02
Kr-85m	1.8E+00
Kr-87	3.0E+00
Kr-88	4.6E+00
Xe-131m	2.4E-01
Xe-133	1.6E+01
Xe-133m	2.4E+00
Xe-135	3.0E+00
Xe-135m	3.0E-01
 Total Gas	 3.0E+01
 I-131	 6.0E-01
I-132	8.6E-01
I-133	1.2E+00
I-134	3.8E-02
I-135	1.1E+00
 Total Iodine	 3.8E+00
CS-134	1.0E-06
CS-137	6.0E-05
BA-140	2.1E-06
LA-140	2.1E-06

* NOTE: Dose rates based upon assumed use of 10 cc sample.

TABLE 9.7

CONTAINMENT HYDROGEN CONCENTRATION

<u>TIME</u>	<u>HYDROGEN (VOL.%)</u>
0645-1030	0.0
1031-1145	0.02
1146-1315	0.01
1315-1430	0.00

TABLE 9.8

RCS AND SUMP BORON/pH DATA

<u>Sample</u>	<u>Time</u>	<u>ppm Boron</u>	<u>pH</u>
RCS	0645-0900	510	6.5
Sump		40	7.5
RCS	0901-1029	540	6.4
Sump		60	7.5
NOTE: <u>Safety Injection starts at 1030 hr (LOCA)</u>			
RCS	1031-1040	6,000	5.0
Sump		5,000	5.1
RCS	1041-1100	3,300	6.2
Sump		3,300	6.2
RCS	After 1100	2,345	8.0
Sump		2,100	8.2

TABLE 9.9

CONTINUOUS AIR MONITOR READINGS IN AUXILIARY BUILDING

(READINGS IN COUNTS PER MINUTE)

0645-1030 hrs: GAS IODINE PARTICULATE

TOP FLOOR 50 100 100

INTERMEDIATE FLOOR 50 100 100

BASEMENT FLOOR 100 200 200

1031-1145 hrs:

TOP FLOOR 100 200 200

INTERMEDIATE FLOOR 100 200 200

BASEMENT FLOOR 10000 20000 10000

1146-1430 hrs:

TOP FLOOR ----- TOP OF SCALE -----

INTERMEDIATE FLOOR ----- TOP OF SCALE -----

BASEMENT FLOOR ----- TOP OF SCALE -----

SECTION 10.0

METEOROLOGICAL AND OFFSITE RADIOLOGICAL DATA



SECTION 10.1

METEOROLOGICAL DATA

(PLUME DIRECTION, WEATHER FORECASTS AND TOWER DATA)



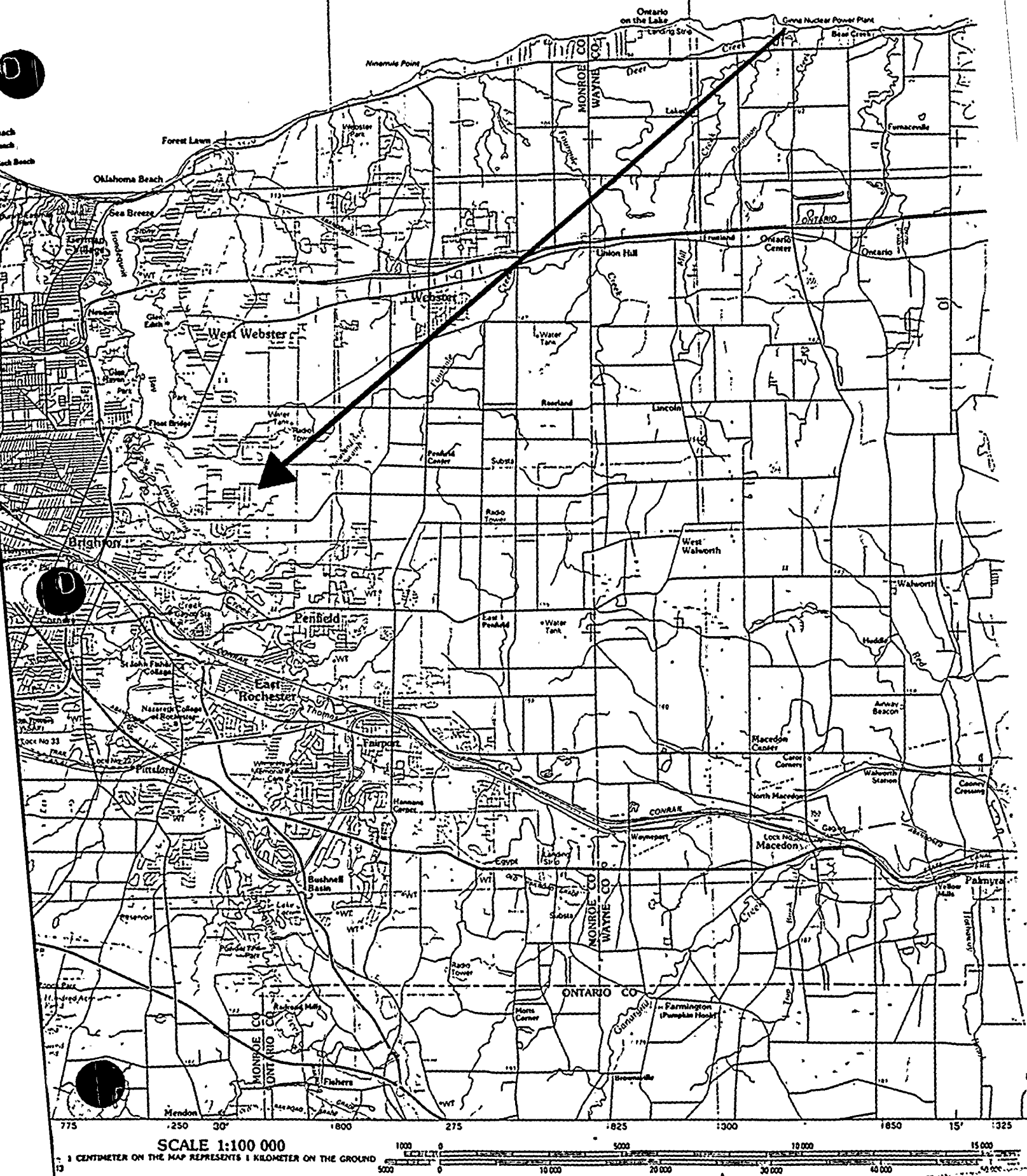




TABLE 10.1-A

WEATHER FORECAST INFORMATION

(NATIONAL WEATHER SERVICE)

AUGUST 16, 1989

8:00 AM

<u>STATION NAME</u>	<u>TEMP</u>	<u>WIND</u>	<u>GST</u>	<u>VIS</u>	<u>WEATHER</u>
KINGSTON, ONT	65	8		5	PLT CL
ROCHESTER, NY	65	8		5	PLT CL
SYRACUSE, NY	62	5		10	PLT CL
BUFFALO, NY	64	5		5	CLOUDY

LAKE ONTARIO FORECAST :

TODAY: SOUTHERLY WINDS WILL BE SHIFTING NORTHEASTERLY BY MID-MORNING. TEMPERATURES EXPECTED IN THE MID- TO UPPER 60'S. WINDS WILL REMAIN FROM THE NORTHEAST AT 5-10 MPH THROUGHOUT THE REMAINDER OF THE AFTERNOON AND EVENING.

TONIGHT: NORTHEASTERLY WINDS, BECOMING COOLER. LOW'S IN THE UPPER 50'S TONIGHT WITH PARTLY CLOUDY SKIES.

TOMORROW: SUNNY SKIES, TEMPERATURES IN THE LOW 60'S.

NOTE: MORE DETAILED FORECAST DATA TO BE PROVIDED UPON REQUEST BY NATIONAL WEATHER SERVICE CONTROLLER LOCATED AT MONROE COUNTY AIRPORT.



TABLE 10.1-B

WEATHER FORECAST INFORMATION

(NATIONAL WEATHER SERVICE)

AUGUST 16, 1989

10:00 AM

<u>STATION NAME</u>	<u>TEMP</u>	<u>WIND</u>	<u>GST</u>	<u>VIS</u>	<u>WEATHER</u>
KINGSTON, ONT	66	8		5	PLT CL
ROCHESTER, NY	66	7		5	PLT CL
SYRACUSE, NY	63	6		10	PLT CL
BUFFALO, NY	65	6		5	CLOUDY

LAKE ONTARIO FORECAST :

TODAY: SOUTHERLY WINDS WILL BE SHIFTING NORTHEASTERLY BY MID-MORNING. TEMPERATURES EXPECTED IN THE MID- TO UPPER 60'S. WINDS WILL REMAIN FROM THE NORTHEAST AT 5-10 MPH THROUGHOUT THE REMAINDER OF THE AFTERNOON AND EVENING.

TONIGHT: NORTHEASTERLY WINDS, BECOMING COOLER. LOW'S IN THE UPPER 50'S TONIGHT WITH PARTLY CLOUDY SKIES.

TOMORROW: SUNNY SKIES, TEMPERATURES IN THE LOW 60'S.

NOTE: MORE DETAILED FORECAST DATA TO BE PROVIDED UPON REQUEST BY NATIONAL WEATHER SERVICE CONTROLLER LOCATED AT MONROE COUNTY AIRPORT.



TABLE 10.1-C

WEATHER FORECAST INFORMATION

(NATIONAL WEATHER SERVICE)

AUGUST 16, 1989

12:00 PM

<u>STATION NAME</u>	<u>TEMP</u>	<u>WIND</u>	<u>GST</u>	<u>VIS</u>	<u>WEATHER</u>
KINGSTON, ONT	65	7		5	PLT CL
ROCHESTER, NY	65	8		5	PLT CL
SYRACUSE, NY	62	6		10	PLT CL
BUFFALO, NY	66	6		5	CLOUDY

LAKE ONTARIO FORECAST :

TODAY: SOUTHERLY WINDS WILL BE SHIFTING NORTHEASTERLY BY MID-MORNING. TEMPERATURES EXPECTED IN THE MID- TO UPPER 60'S. WINDS WILL REMAIN FROM THE NORTHEAST AT 5-10 MPH THROUGHOUT THE REMAINDER OF THE AFTERNOON AND EVENING.

TONIGHT: NORTHEASTERLY WINDS, BECOMING COOLER. LOW'S IN THE UPPER 50'S TONIGHT WITH PARTLY CLOUDY SKIES.

TOMORROW: SUNNY SKIES, TEMPERATURES IN THE LOW 60'S.

NOTE: MORE DETAILED FORECAST DATA TO BE PROVIDED UPON REQUEST BY NATIONAL WEATHER SERVICE CONTROLLER LOCATED AT MONROE COUNTY AIRPORT.



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

06:45

RECORD NUMBER 3980

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>4.6</u>	MPH	0	<u>0.9</u>	<u>2.8</u>	<u>7.0</u>
SPD 33B	<u>4.9</u>	MPH	0	<u>0.8</u>	<u>2.3</u>	<u>6.8</u>
SPD 150A	<u>4.5</u>	MPH	0	<u>0.9</u>	<u>2.7</u>	<u>6.9</u>
SPD 150B	<u>57.1</u>	MPH	0	<u>0.0</u>	<u>57.0</u>	<u>57.2</u>
SPD 250	<u>14.1</u>	MPH	0	<u>0.4</u>	<u>13.2</u>	<u>15.1</u>
DIR 33A	<u>194.0</u>	DEG	0	<u>9.0</u>	<u>172.0</u>	<u>229.0</u>
DIR 33B	<u>235.0</u>	DEG	0	<u>7.0</u>	<u>197.0</u>	<u>295.0</u>
DIR150A	<u>174.0</u>	DEG	0	<u>3.0</u>	<u>166.0</u>	<u>183.0</u>
DIR150B	<u>56.0</u>	DEG	0	<u>0.0</u>	<u>55.0</u>	<u>57.0</u>
DIR250	<u>158.0</u>	DEG	0	<u>1.0</u>	<u>154.0</u>	<u>160.0</u>
TER 33A	<u>56.7</u>	F	0			
TER 33B	<u>57.1</u>	F	0			
TER150A	<u>57.9</u>	F	0			
TER150B	<u>58.1</u>	F	0			
TER250A	<u>61.1</u>	F	0			
DT150-33A	<u>1.2</u>	F/	0			
DT150-33B	<u>1.0</u>	F/	0			
DT250-33A	<u>4.6</u>	F/	0			
DT250-33B	<u>4.2</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER(IBM PC TERMINAL)

AV

8/16/89

07:00RECORD NUMBER 3981

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.6</u>	MPH	0	<u>1.2</u>	<u>3.0</u>	<u>9.7</u>
SPD 33B	<u>5.5</u>	MPH	0	<u>0.9</u>	<u>3.7</u>	<u>8.7</u>
SPD 150A	<u>8.7</u>	MPH	0	<u>2.0</u>	<u>3.0</u>	<u>11.0</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.2</u>
SPD 250	<u>13.5</u>	MPH	0	<u>3.0</u>	<u>12.7</u>	<u>14.4</u>
DIR 33A	<u>187.0</u>	DEG	0	<u>8.0</u>	<u>168.0</u>	<u>209.0</u>
DIR 33B	<u>221.0</u>	DEG	0	<u>18.0</u>	<u>180.0</u>	<u>277.0</u>
DIR150A	<u>171.0</u>	DEG	0	<u>5.0</u>	<u>147.0</u>	<u>183.0</u>
DIR150B	<u>55.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>56.0</u>
DIR250	<u>154.0</u>	DEG	0	<u>1.0</u>	<u>149.0</u>	<u>158.0</u>
TER 33A	<u>58.0</u>	F	0			
TER 33B	<u>58.4</u>	F	0			
TER150A	<u>58.6</u>	F	0			
TER150B	<u>58.8</u>	F	0			
TER250A	<u>61.4</u>	F	0			
DT150-33A	<u>0.7</u>	F/	0			
DT150-33B	<u>0.5</u>	F/	0			
DT250-33A	<u>3.7</u>	F/	0			
DT250-33B	<u>3.3</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

07:15

RECORD NUMBER 3982

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>4.8</u>	MPH	0	<u>0.8</u>	<u>2.3</u>	<u>7.7</u>
SPD 33B	<u>4.6</u>	MPH	0	<u>0.9</u>	<u>2.6</u>	<u>7.2</u>
SPD 150A	<u>5.0</u>	MPH	0	<u>1.0</u>	<u>2.2</u>	<u>7.5</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.3</u>
SPD 250	<u>11.7</u>	MPH	0	<u>0.9</u>	<u>8.6</u>	<u>13.6</u>
DIR 33A	<u>186.0</u>	DEG	0	<u>10.0</u>	<u>155.0</u>	<u>205.0</u>
DIR 33B	<u>228.0</u>	DEG	0	<u>11.0</u>	<u>180.0</u>	<u>298.0</u>
DIR150A	<u>164.0</u>	DEG	0	<u>6.0</u>	<u>145.0</u>	<u>178.0</u>
DIR150B	<u>56.0</u>	DEG	0	<u>0.0</u>	<u>55.0</u>	<u>56.0</u>
DIR250	<u>149.0</u>	DEG	0	<u>3.0</u>	<u>144.0</u>	<u>167.0</u>
TER 33A	<u>59.3</u>	F	0			
TER 33B	<u>59.7</u>	F	0			
TER150A	<u>59.4</u>	F	0			
TER150B	<u>59.6</u>	F	0			
TER250A	<u>61.3</u>	F	0			
DT150-33A	<u>0.2</u>	F/	0			
DT150-33B	<u>0.0</u>	F/	0			
DT250-33A	<u>2.3</u>	F/	0			
DT250-33B	<u>1.8</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89 07:30 RECORD NUMBER 3983 RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.1</u>	MPH	0	<u>0.9</u>	<u>2.9</u>	<u>7.3</u>
SPD 33B	<u>5.0</u>	MPH	0	<u>0.7</u>	<u>3.4</u>	<u>6.8</u>
SPD 150A	<u>5.2</u>	MPH	0	<u>0.7</u>	<u>3.4</u>	<u>6.9</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.4</u>
SPD 250	<u>9.5</u>	MPH	0	<u>1.0</u>	<u>6.4</u>	<u>11.1</u>
DIR 33A	<u>184.0</u>	DEG	0	<u>10.0</u>	<u>161.0</u>	<u>205.0</u>
DIR 33B	<u>222.0</u>	DEG	0	<u>18.0</u>	<u>163.0</u>	<u>260.0</u>
DIR150A	<u>165.0</u>	DEG	0	<u>6.0</u>	<u>146.0</u>	<u>181.0</u>
DIR150B	<u>55.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>56.0</u>
DIR250	<u>154.0</u>	DEG	0	<u>5.0</u>	<u>145.0</u>	<u>179.0</u>
TER 33A	<u>60.4</u>	F	0			
TER 33B	<u>60.8</u>	F	0			
TER150A	<u>60.3</u>	F	0			
TER150B	<u>60.4</u>	F	0			
TER250A	<u>60.5</u>	F	0			
DT150-33A	<u>0.1</u>	F/	0			
DT150-33B	<u>-0.3</u>	F/	0			
DT250-33A	<u>0.4</u>	F/	0			
DT250-33B	<u>-0.2</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

07:45

RECORD NUMBER 3984

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>4.8</u>	MPH	0	<u>1.0</u>	<u>2.0</u>	<u>7.0</u>
SPD 33B	<u>4.8</u>	MPH	0	<u>1.0</u>	<u>2.1</u>	<u>7.1</u>
SPD 150A	<u>4.9</u>	MPH	0	<u>1.0</u>	<u>2.2</u>	<u>7.2</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.4</u>
SPD 250	<u>7.5</u>	MPH	0	<u>1.1</u>	<u>4.5</u>	<u>9.8</u>
DIR 33A	<u>177.0</u>	DEG	0	<u>17.0</u>	<u>136.0</u>	<u>218.0</u>
DIR 33B	<u>224.0</u>	DEG	0	<u>14.0</u>	<u>180.0</u>	<u>333.0</u>
DIR150A	<u>165.0</u>	DEG	0	<u>10.0</u>	<u>141.0</u>	<u>190.0</u>
DIR150B	<u>55.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>56.0</u>
DIR250	<u>154.0</u>	DEG	0	<u>8.0</u>	<u>135.0</u>	<u>178.0</u>
TER 33A	<u>61.6</u>	F	0			
TER 33B	<u>62.0</u>	F	0			
TER150A	<u>61.3</u>	F	0			
TER150B	<u>61.4</u>	F	0			
TER250A	<u>60.8</u>	F	0			
DT150-33A	<u>- 0.3</u>	F/	0			
DT150-33B	<u>- 0.5</u>	F/	0			
DT250-33A	<u>- 0.5</u>	F/	0			
DT250-33B	<u>- 1.1</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89 08:00 RECORD NUMBER 3985 RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.1</u>	MPH	0	<u>1.3</u>	<u>2.2</u>	<u>7.6</u>
SPD 33B	<u>5.2</u>	MPH	0	<u>1.1</u>	<u>2.7</u>	<u>7.7</u>
SPD 150A	<u>5.1</u>	MPH	0	<u>1.3</u>	<u>2.2</u>	<u>7.5</u>
SPD 150B	<u>57.0</u>	MPH	0	<u>0.4</u>	<u>56.3</u>	<u>57.4</u>
SPD 250	<u>7.4</u>	MPH	0	<u>1.5</u>	<u>3.1</u>	<u>10.7</u>
DIR 33A	<u>172.0</u>	DEG	0	<u>15.0</u>	<u>131.0</u>	<u>210.0</u>
DIR 33B	<u>199.0</u>	DEG	0	<u>4.0</u>	<u>98.0</u>	<u>259.0</u>
DIR150A	<u>158.0</u>	DEG	0	<u>9.0</u>	<u>141.0</u>	<u>184.0</u>
DIR150B	<u>59.0</u>	DEG	0	<u>5.0</u>	<u>54.0</u>	<u>69.0</u>
DIR250	<u>154.0</u>	DEG	0	<u>10.0</u>	<u>133.0</u>	<u>215.0</u>
TER 33A	<u>62.9</u>	F	0			
TER 33B	<u>63.3</u>	F	0			
TER150A	<u>62.3</u>	F	0			
TER150B	<u>62.5</u>	F	0			
TER250A	<u>61.7</u>	F	0			
DT150-33A	<u>- 0.5</u>	F/	0			
DT150-33B	<u>- 0.7</u>	F/	0			
DT250-33A	<u>- 0.9</u>	F/	0			
DT250-33B	<u>- 1.5</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

8/16/89

08:15

RECORD NUMBER 3986

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>4.9</u>	MPH	0	<u>1.3</u>	<u>0.6</u>	<u>8.3</u>
SPD 33B	<u>4.8</u>	MPH	0	<u>1.2</u>	<u>2.0</u>	<u>8.2</u>
SPD 150A	<u>4.8</u>	MPH	0	<u>1.3</u>	<u>1.9</u>	<u>8.3</u>
SPD 150B	<u>56.7</u>	MPH	0	<u>0.1</u>	<u>56.3</u>	<u>56.9</u>
SPD 250	<u>6.9</u>	MPH	0	<u>1.2</u>	<u>3.6</u>	<u>9.5</u>
DIR 33A	<u>157.0</u>	DEG	0	<u>14.0</u>	<u>119.0</u>	<u>192.0</u>
DIR 33B	<u>176.0</u>	DEG	0	<u>4.0</u>	<u>91.0</u>	<u>265.0</u>
DIR150A	<u>142.0</u>	DEG	0	<u>11.0</u>	<u>108.0</u>	<u>164.0</u>
DIR150B	<u>61.0</u>	DEG	0	<u>3.0</u>	<u>57.0</u>	<u>68.0</u>
DIR250	<u>141.0</u>	DEG	0	<u>11.0</u>	<u>108.0</u>	<u>160.0</u>
TER 33A	<u>63.6</u>	F	0			
TER 33B	<u>64.0</u>	F	0			
TER150A	<u>63.0</u>	F	0			
TER150B	<u>63.2</u>	F	0			
TER250A	<u>62.4</u>	F	0			
DT150-33A	<u>- 0.5</u>	F/	0			
DT150-33B	<u>- 0.7</u>	F/	0			
DT250-33A	<u>- 0.9</u>	F/	0			
DT250-33B	<u>- 1.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

08:30

RECORD NUMBER 3987

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.0</u>	MPH	0	<u>1.4</u>	<u>2.5</u>	<u>9.1</u>
SPD 33B	<u>5.1</u>	MPH	0	<u>1.5</u>	<u>2.4</u>	<u>9.0</u>
SPD 150A	<u>5.2</u>	MPH	0	<u>1.5</u>	<u>2.5</u>	<u>9.1</u>
SPD 150B	<u>57.0</u>	MPH	0	<u>0.0</u>	<u>56.9</u>	<u>57.1</u>
SPD 250	<u>6.1</u>	MPH	0	<u>2.0</u>	<u>11.0</u>	<u>96.0</u>
DIR 33A	<u>147.0</u>	DEG	0	<u>17.0</u>	<u>90.0</u>	<u>195.0</u>
DIR 33B	<u>138.0</u>	DEG	0	<u>16.0</u>	<u>11.0</u>	<u>266.0</u>
DIR150A	<u>131.0</u>	DEG	0	<u>13.0</u>	<u>70.0</u>	<u>177.0</u>
DIR150B	<u>55.0</u>	DEG	0	<u>1.0</u>	<u>53.0</u>	<u>57.0</u>
DIR250	<u>119.0</u>	DEG	0	<u>19</u>	<u>76.0</u>	<u>164.0</u>
TER 33A	<u>63.9</u>	F	0			
TER 33B	<u>64.3</u>	F	0			
TER150A	<u>63.6</u>	F	0			
TER150B	<u>63.8</u>	F	0			
TER250A	<u>63.0</u>	F	0			
DT150-33A	<u>- 0.2</u>	F/	0			
DT150-33B	<u>- 0.5</u>	F/	0			
DT250-33A	<u>- 0.6</u>	F/	0			
DT250-33B	<u>- 1.2</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

08:45

RECORD NUMBER 3988

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>3.9</u>	MPH	0	<u>1.4</u>	<u>0.6</u>	<u>6.9</u>
SPD 33B	<u>3.8</u>	MPH	0	<u>1.4</u>	<u>0.5</u>	<u>6.6</u>
SPD 150A	<u>3.8</u>	MPH	0	<u>1.3</u>	<u>0.6</u>	<u>6.4</u>
SPD 150B	<u>51.1</u>	MPH	0	<u>0.0</u>	<u>57.0</u>	<u>57.1</u>
SPD 250	<u>4.6</u>	MPH	0	<u>1.8</u>	<u>1.0</u>	<u>9.1</u>
DIR 33A	<u>131.0</u>	DEG	0	<u>15.0</u>	<u>80.0</u>	<u>171.0</u>
DIR 33B	<u>34.0</u>	DEG	0	<u>13.0</u>	<u>151.0</u>	<u>276.0</u>
DIR150A	<u>122.0</u>	DEG	0	<u>8.0</u>	<u>62.0</u>	<u>179.0</u>
DIR150B	<u>54.0</u>	DEG	0	<u>0.0</u>	<u>53.0</u>	<u>55.0</u>
DIR250	<u>127.0</u>	DEG	0	<u>10.0</u>	<u>74.0</u>	<u>178.0</u>
TER 33A	<u>64.5</u>	F	0			
TER 33B	<u>64.9</u>	F	0			
TER150A	<u>64.0</u>	F	0			
TER150B	<u>64.2</u>	F	0			
TER250A	<u>63.3</u>	F	0			
DT150-33A	<u>- 0.4</u>	F/	0			
DT150-33B	<u>- 0.6</u>	F/	0			
DT250-33A	<u>- 0.8</u>	F/	0			
DT250-33B	<u>- 1.5</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89 09:00

RECORD NUMBER 3989

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>3.8</u>	MPH	0	<u>1.3</u>	<u>1.1</u>	<u>6.9</u>
SPD 33B	<u>3.9</u>	MPH	0	<u>1.3</u>	<u>1.4</u>	<u>7.9</u>
SPD 150A	<u>7.9</u>	MPH	0	<u>1.3</u>	<u>5.0</u>	<u>9.0</u>
SPD 150B	<u>57.1</u>	MPH	0	<u>0.0</u>	<u>57.0</u>	<u>57.2</u>
SPD 250	<u>3.8</u>	MPH	0	<u>0.5</u>	<u>0.8</u>	<u>9.2</u>
DIR 33A	<u>144.0</u>	DEG	0	<u>12.0</u>	<u>91.0</u>	<u>190.0</u>
DIR 33B	<u>26.0</u>	DEG	0	<u>7.0</u>	<u>177.0</u>	<u>278.0</u>
DIR150A	<u>106.0</u>	DEG	0	<u>16.0</u>	<u>59.0</u>	<u>172.0</u>
DIR150B	<u>53.0</u>	DEG	0	<u>0.0</u>	<u>53.0</u>	<u>54.0</u>
DIR250	<u>99.0</u>	DEG	0	<u>18.0</u>	<u>57.0</u>	<u>176.0</u>
TER 33A	<u>64.8</u>	F	0			
TER 33B	<u>65.2</u>	F	0			
TER150A	<u>64.4</u>	F	0			
TER150B	<u>64.5</u>	F	0			
TER250A	<u>63.8</u>	F	0			
DT150-33A	<u>- 0.4</u>	F/	0			
DT150-33B	<u>- 0.6</u>	F/	0			
DT250-33A	<u>- 0.8</u>	F/	0			
DT250-33B	<u>- 1.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

09:15

RECORD NUMBER 3990

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.2</u>	MPH	0	<u>1.0</u>	<u>2.8</u>	<u>8.5</u>
SPD 33B	<u>6.2</u>	MPH	0	<u>1.3</u>	<u>3.1</u>	<u>9.4</u>
SPD 150A	<u>5.5</u>	MPH	0	<u>1.3</u>	<u>2.5</u>	<u>9.0</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.2</u>
SPD 250	<u>5.1</u>	MPH	0	<u>1.3</u>	<u>2.4</u>	<u>8.2</u>
DIR 33A	<u>75.0</u>	DEG	0	<u>14.0</u>	<u>36.0</u>	<u>107.0</u>
DIR 33B	<u>37.0</u>	DEG	0	<u>12.0</u>	<u>5.0</u>	<u>69.0</u>
DIR150A	<u>69.0</u>	DEG	0	<u>9.0</u>	<u>48.0</u>	<u>92.0</u>
DIR150B	<u>53.0</u>	DEG	0	<u>0.0</u>	<u>52.0</u>	<u>54.0</u>
DIR250	<u>57.0</u>	DEG	0	<u>11.0</u>	<u>32.0</u>	<u>84.0</u>
TER 33A	<u>64.5</u>	F	0			
TER 33B	<u>65.0</u>	F	0			
TER150A	<u>64.3</u>	F	0			
TER150B	<u>64.3</u>	F	0			
TER250A	<u>63.8</u>	F	0			
DT150-33A	<u>-0.2</u>	F/	0			
DT150-33B	<u>-0.5</u>	F/	0			
DT250-33A	<u>-0.5</u>	F/	0			
DT250-33B	<u>-1.2</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

8/16/89

09:30

RECORD NUMBER 3991

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>4.8</u>	MPH	0	<u>1.4</u>	<u>1.2</u>	<u>7.4</u>
SPD 33B	<u>5.1</u>	MPH	0	<u>1.4</u>	<u>1.5</u>	<u>7.6</u>
SPD 150A	<u>2.8</u>	MPH	0	<u>1.6</u>	<u>1.6</u>	<u>6.0</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.2</u>
SPD 250	<u>5.1</u>	MPH	0	<u>1.3</u>	<u>2.4</u>	<u>8.2</u>
DIR 33A	<u>67.0</u>	DEG	0	<u>20.0</u>	<u>28.0</u>	<u>120.0</u>
DIR 33B	<u>20.0</u>	DEG	0	<u>14.0</u>	<u>349.0</u>	<u>53.0</u>
DIR150A	<u>59.0</u>	DEG	0	<u>14.0</u>	<u>26.0</u>	<u>101.0</u>
DIR150B	<u>53.0</u>	DEG	0	<u>0.0</u>	<u>52.0</u>	<u>54.0</u>
DIR250	<u>57.0</u>	DEG	0	<u>11.0</u>	<u>32.0</u>	<u>84.0</u>
TER 33A	<u>64.7</u>	F	0			
TER 33B	<u>65.1</u>	F	0			
TER150A	<u>64.4</u>	F	0			
TER150B	<u>64.5</u>	F	0			
TER250A	<u>64.0</u>	F	0			
DT150-33A	<u>- 0.2</u>	F/	0			
DT150-33B	<u>- 0.5</u>	F/	0			
DT250-33A	<u>- 0.4</u>	F/	0			
DT250-33B	<u>- 1.1</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

09:45

RECORD NUMBER 3992

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.6</u>	MPH	0	<u>1.6</u>	<u>2.4</u>	<u>10.0</u>
SPD 33B	<u>5.4</u>	MPH	0	<u>1.3</u>	<u>2.1</u>	<u>9.4</u>
SPD 150A	<u>5.1</u>	MPH	0	<u>1.3</u>	<u>2.2</u>	<u>9.5</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.3</u>
SPD 250	<u>6.8</u>	MPH	0	<u>1.1</u>	<u>3.8</u>	<u>9.3</u>
DIR 33A	<u>50.0</u>	DEG	0	<u>14.0</u>	<u>357.0</u>	<u>84.0</u>
DIR 33B	<u>52.0</u>	DEG	0	<u>13.0</u>	<u>1.0</u>	<u>80.0</u>
DIR150A	<u>41.0</u>	DEG	0	<u>13.0</u>	<u>9.0</u>	<u>113.0</u>
DIR150B	<u>53.0</u>	DEG	0	<u>0.0</u>	<u>52.0</u>	<u>54.0</u>
DIR250	<u>39.0</u>	DEG	0	<u>11.0</u>	<u>12.0</u>	<u>69.0</u>
TER 33A	<u>64.8</u>	F	0			
TER 33B	<u>65.2</u>	F	0			
TER150A	<u>64.3</u>	F	0			
TER150B	<u>64.4</u>	F	0			
TER250A	<u>63.8</u>	F	0			
DT150-33A	<u>- 0.5</u>	F/	0			
DT150-33B	<u>- 0.7</u>	F/	0			
DT250-33A	<u>- 0.8</u>	F/	0			
DT250-33B	<u>- 1.4</u>	F/	0			
PRECIPITATION	<u>1.08</u>	INCH	0	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89 10:00 RECORD NUMBER 3993 RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.6</u>	MPH	0	<u>1.3</u>	<u>2.6</u>	<u>8.1</u>
SPD 33B	<u>5.7</u>	MPH	0	<u>1.2</u>	<u>2.6</u>	<u>8.0</u>
SPD 150A	<u>8.0</u>	MPH	0	<u>2.0</u>	<u>3.0</u>	<u>11.0</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.3</u>
SPD 250	<u>6.5</u>	MPH	0	<u>1.3</u>	<u>4.3</u>	<u>9.7</u>
DIR 33A	<u>48.0</u>	DEG	0	<u>11.0</u>	<u>6.0</u>	<u>89.0</u>
DIR 33B	<u>49.0</u>	DEG	0	<u>11.0</u>	<u>7.0</u>	<u>88.0</u>
DIR150A	<u>39.0</u>	DEG	0	<u>6.0</u>	<u>23.7</u>	<u>56.0</u>
DIR150B	<u>54.0</u>	DEG	0	<u>0.0</u>	<u>53.0</u>	<u>55.0</u>
DIR250	<u>38.0</u>	DEG	0	<u>8.0</u>	<u>20.0</u>	<u>65.0</u>
TER 33A	<u>64.7</u>	F	0			
TER 33B	<u>65.2</u>	F	0			
TER150A	<u>64.2</u>	F	0			
TER150B	<u>64.4</u>	F	0			
TER250A	<u>63.7</u>	F	0			
DT150-33A	<u>-0.4</u>	F/	0			
DT150-33B	<u>-0.7</u>	F/	0			
DT250-33A	<u>-0.7</u>	F/	0			
DT250-33B	<u>-1.3</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

10:15

RECORD NUMBER 3994

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>6.2</u>	MPH	0	<u>1.5</u>	<u>2.2</u>	<u>9.8</u>
SPD 33B	<u>6.4</u>	MPH	0	<u>1.4</u>	<u>2.0</u>	<u>9.7</u>
SPD 150A	<u>6.6</u>	MPH	0	<u>1.3</u>	<u>2.5</u>	<u>9.5</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.3</u>
SPD 250	<u>7.2</u>	MPH	0	<u>1.4</u>	<u>3.6</u>	<u>10.3</u>
DIR 33A	<u>52.0</u>	DEG	0	<u>15.0</u>	<u>15.0</u>	<u>95.0</u>
DIR 33B	<u>51.0</u>	DEG	0	<u>15.0</u>	<u>16.0</u>	<u>94.0</u>
DIR150A	<u>57.0</u>	DEG	0	<u>17.0</u>	<u>21.0</u>	<u>95.0</u>
DIR150B	<u>53.0</u>	DEG	0	<u>0.0</u>	<u>52.0</u>	<u>55.0</u>
DIR250	<u>40.0</u>	DEG	0	<u>9.0</u>	<u>20.0</u>	<u>64.0</u>
TER 33A	<u>65.0</u>	F	0			
TER 33B	<u>65.5</u>	F	0			
TER150A	<u>64.3</u>	F	0			
TER150B	<u>64.5</u>	F	0			
TER250A	<u>63.8</u>	F	0			
DT150-33A	<u>- 0.6</u>	F/	0			
DT150-33B	<u>- 0.9</u>	F/	0			
DT250-33A	<u>- 0.8</u>	F/	0			
DT250-33B	<u>- 1.4</u>	F/	0			
PRECIPITATION	<u>1.08</u>	INCH	0	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

8/16/89

10:30

RECORD NUMBER 3995

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>6.1</u>	MPH	0	<u>1.4</u>	<u>3.0</u>	<u>9.4</u>
SPD 33B	<u>5.9</u>	MPH	0	<u>1.3</u>	<u>3.0</u>	<u>9.5</u>
SPD 150A	<u>5.0</u>	MPH	0	<u>1.3</u>	<u>3.0</u>	<u>9.0</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.3</u>
SPD 250	<u>7.1</u>	MPH	0	<u>0.8</u>	<u>5.2</u>	<u>8.8</u>
DIR 33A	<u>43.0</u>	DEG	0	<u>11.0</u>	<u>17.0</u>	<u>76.0</u>
DIR 33B	<u>49.0</u>	DEG	0	<u>11.0</u>	<u>22.0</u>	<u>80.0</u>
DIR150A	<u>49.0</u>	DEG	0	<u>10.0</u>	<u>25.0</u>	<u>80.0</u>
DIR150B	<u>54.0</u>	DEG	0	<u>0.0</u>	<u>53.0</u>	<u>55.0</u>
DIR250	<u>29.0</u>	DEG	0	<u>12.0</u>	<u>4.0</u>	<u>58.0</u>
TER 33A	<u>64.7</u>	F	0			
TER 33B	<u>65.2</u>	F	0			
TER150A	<u>64.3</u>	F	0			
TER150B	<u>64.5</u>	F	0			
TER250A	<u>63.7</u>	F	0			
DT150-33A	<u>- 0.3</u>	F/	0			
DT150-33B	<u>- 0.6</u>	F/	0			
DT250-33A	<u>- 0.7</u>	F/	0			
DT250-33B	<u>- 1.2</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

10:45

RECORD NUMBER 3996

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.9</u>	MPH	0	<u>1.7</u>	<u>2.1</u>	<u>9.4</u>
SPD 33B	<u>5.8</u>	MPH	0	<u>1.8</u>	<u>2.3</u>	<u>11.2</u>
SPD 150A	<u>5.7</u>	MPH	0	<u>1.7</u>	<u>2.1</u>	<u>9.3</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.1</u>	<u>57.4</u>
SPD 250	<u>7.0</u>	MPH	0	<u>1.2</u>	<u>4.4</u>	<u>10.1</u>
DIR 33A	<u>45.0</u>	DEG	0	<u>12.0</u>	<u>1.0</u>	<u>75.0</u>
DIR 33B	<u>48.0</u>	DEG	0	<u>12.0</u>	<u>5.0</u>	<u>81.0</u>
DIR150A	<u>31.0</u>	DEG	0	<u>11.0</u>	<u>10.0</u>	<u>98.0</u>
DIR150B	<u>54.0</u>	DEG	0	<u>0.0</u>	<u>53.0</u>	<u>55.0</u>
DIR250	<u>26.0</u>	DEG	0	<u>12.0</u>	<u>347.0</u>	<u>57.0</u>
TER 33A	<u>64.9</u>	F	0			
TER 33B	<u>65.4</u>	F	0			
TER150A	<u>64.4</u>	F	0			
TER150B	<u>64.6</u>	F	0			
TER250A	<u>63.9</u>	F	0			
DT150-33A	<u>- 0.4</u>	F/	0			
DT150-33B	<u>- 0.7</u>	F/	0			
DT250-33A	<u>- 0.7</u>	F/	0			
DT250-33B	<u>- 1.3</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL) ,

AV

8/16/89

11:00

RECORD NUMBER 3997

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>7.2</u>	MPH	0	<u>1.6</u>	<u>3.0</u>	<u>11.3</u>
SPD 33B	<u>7.1</u>	MPH	0	<u>1.5</u>	<u>3.2</u>	<u>10.8</u>
SPD 150A	<u>7.0</u>	MPH	0	<u>1.5</u>	<u>3.3</u>	<u>10.5</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.3</u>
SPD 250	<u>7.9</u>	MPH	0	<u>0.9</u>	<u>5.6</u>	<u>10.1</u>
DIR 33A	<u>44.0</u>	DEG	0	<u>11.0</u>	<u>13.0</u>	<u>82.0</u>
DIR 33B	<u>42.0</u>	DEG	0	<u>11.0</u>	<u>14.0</u>	<u>83.0</u>
DIR150A	<u>31.0</u>	DEG	0	<u>6.0</u>	<u>17.0</u>	<u>49.0</u>
DIR150B	<u>54.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>55.0</u>
DIR250	<u>27.0</u>	DEG	0	<u>6.0</u>	<u>12.0</u>	<u>46.0</u>
TER 33A	<u>64.9</u>	F	0			
TER 33B	<u>65.4</u>	F	0			
TER150A	<u>64.4</u>	F	0			
TER150B	<u>64.6</u>	F	0			
TER250A	<u>63.8</u>	F	0			
DT150-33A	<u>- 0.4</u>	F/	0			
DT150-33B	<u>- 0.7</u>	F/	0			
DT250-33A	<u>- 0.8</u>	F/	0			
DT250-33B	<u>- 1.3</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

11:15

RECORD NUMBER 3998

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>6.0</u>	MPH	0	<u>1.2</u>	<u>1.9</u>	<u>8.6</u>
SPD 33B	<u>6.2</u>	MPH	0	<u>1.1</u>	<u>3.0</u>	<u>8.8</u>
SPD 150A	<u>6.1</u>	MPH	0	<u>1.1</u>	<u>3.1</u>	<u>8.7</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.3</u>
SPD 250	<u>7.3</u>	MPH	0	<u>0.9</u>	<u>4.6</u>	<u>8.7</u>
DIR 33A	<u>56.0</u>	DEG	0	<u>10.0</u>	<u>29.0</u>	<u>82.0</u>
DIR 33B	<u>50.0</u>	DEG	0	<u>10.0</u>	<u>29.0</u>	<u>80.0</u>
DIR150A	<u>55.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>55.0</u>
DIR150B	<u>38.0</u>	DEG	0	<u>9.0</u>	<u>10.0</u>	<u>60.0</u>
DIR250	<u>50.0</u>	DEG	0	<u>10.0</u>	<u>28.0</u>	<u>80.0</u>
TER 33A	<u>65.0</u>	F	0			
TER 33B	<u>65.5</u>	F	0			
TER150A	<u>64.4</u>	F	0			
TER150B	<u>64.6</u>	F	0			
TER250A	<u>63.8</u>	F	0			
DT150-33A	<u>- 0.6</u>	F/	0			
DT150-33B	<u>- 0.9</u>	F/	0			
DT250-33A	<u>- 0.9</u>	F/	0			
DT250-33B	<u>- 1.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER , (IBM PC TERMINAL)

AV

8/16/89

11:30

RECORD NUMBER 3999

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.3</u>	MPH	0	<u>1.8</u>	<u>2.1</u>	<u>10.2</u>
SPD 33B	<u>5.5</u>	MPH	0	<u>1.7</u>	<u>1.5</u>	<u>10.3</u>
SPD 150A	<u>5.0</u>	MPH	0	<u>1.6</u>	<u>1.5</u>	<u>9.5</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.4</u>
SPD 250	<u>7.7</u>	MPH	0	<u>1.3</u>	<u>5.3</u>	<u>11.2</u>
DIR 33A	<u>48.0</u>	DEG	0	<u>14.0</u>	<u>14.0</u>	<u>91.0</u>
DIR 33B	<u>47.0</u>	DEG	0	<u>13.0</u>	<u>17.0</u>	<u>88.0</u>
DIR150A	<u>48.0</u>	DEG	0	<u>14.0</u>	<u>15.0</u>	<u>90.0</u>
DIR150B	<u>55.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>56.0</u>
DIR250	<u>46.0</u>	DEG	0	<u>13.0</u>	<u>17.5</u>	<u>88.0</u>
TER 33A	<u>65.0</u>	F	0			
TER 33B	<u>65.5</u>	F	0			
TER150A	<u>65.5</u>	F	0			
TER150B	<u>65.7</u>	F	0			
TER250A	<u>65.0</u>	F	0			
DT150-33A	<u>0.5</u>	F/	0			
DT150-33B	<u>0.2</u>	F/	0			
DT250-33A	<u>0.0</u>	F/	0			
DT250-33B	<u>0.0</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

11:45

RECORD NUMBER 4000

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.0</u>	MPH	0	<u>0.9</u>	<u>2.8</u>	<u>7.0</u>
SPD 33B	<u>5.1</u>	MPH	0	<u>0.8</u>	<u>2.3</u>	<u>6.8</u>
SPD 150A	<u>6.2</u>	MPH	0	<u>1.0</u>	<u>3.0</u>	<u>9.3</u>
SPD 150B	<u>57.1</u>	MPH	0	<u>0</u>	<u>57.0</u>	<u>57.2</u>
SPD 250	<u>14.1</u>	MPH	0	<u>0.4</u>	<u>13.2</u>	<u>15.1</u>
DIR 33A	<u>50.0</u>	DEG	0	<u>11.0</u>	<u>89.0</u>	<u>28.0</u>
DIR 33B	<u>51.0</u>	DEG	0	<u>13.0</u>	<u>62.0</u>	<u>300.0</u>
DIR150A	<u>51.0</u>	DEG	0	<u>9.0</u>	<u>77.0</u>	<u>5.0</u>
DIR150B	<u>51.0</u>	DEG	0	<u>0.0</u>	<u>56.0</u>	<u>54.0</u>
DIR250	<u>52.0</u>	DEG	0	<u>8.0</u>	<u>16.0</u>	<u>75.0</u>
TER 33A	<u>65.1</u>	F	0			
TER 33B	<u>65.6</u>	F	0			
TER150A	<u>65.6</u>	F	0			
TER150B	<u>65.7</u>	F	0			
TER250A	<u>65.1</u>	F	0			
DT150-33A	<u>0.5</u>	F/	0			
DT150-33B	<u>0.1</u>	F/	0			
DT250-33A	<u>0.0</u>	F/	0			
DT250-33B	<u>-0.5</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

12:00

RECORD NUMBER 4001

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.1</u>	MPH	0	<u>0.8</u>	<u>2.9</u>	<u>7.1</u>
SPD 33B	<u>5.2</u>	MPH	0	<u>0.7</u>	<u>2.4</u>	<u>6.9</u>
SPD 150A	<u>6.1</u>	MPH	0	<u>1.1</u>	<u>3.1</u>	<u>9.2</u>
SPD 150B	<u>5.5</u>	MPH	0	<u>0</u>	<u>57.0</u>	<u>57.2</u>
SPD 250	<u>6.0</u>	MPH	0	<u>0.9</u>	<u>3.2</u>	<u>8.2</u>
DIR 33A	<u>51.0</u>	DEG	0	<u>11.0</u>	<u>30.0</u>	<u>85.0</u>
DIR 33B	<u>50.0</u>	DEG	0	<u>12.0</u>	<u>36.0</u>	<u>90.0</u>
DIR150A	<u>51.0</u>	DEG	0	<u>9.0</u>	<u>35.0</u>	<u>85.0</u>
DIR150B	<u>51.0</u>	DEG	0	<u>0.0</u>	<u>54.0</u>	<u>56.0</u>
DIR250	<u>52.0</u>	DEG	0	<u>8.0</u>	<u>15.0</u>	<u>80.0</u>
TER 33A	<u>65.2</u>	F	0			
TER 33B	<u>65.6</u>	F	0			
TER150A	<u>65.7</u>	F	0			
TER150B	<u>65.1</u>	F	0			
TER250A	<u>65.1</u>	F	0			
DT150-33A	<u>0.5</u>	F/	0			
DT150-33B	<u>0.1</u>	F/	0			
DT250-33A	<u>0.0</u>	F/	0			
DT250-33B	<u>-0.1</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

12:15

RECORD NUMBER 4002

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>4.9</u>	MPH	0	<u>1.6</u>	<u>0.6</u>	<u>8.1</u>
SPD 33B	<u>5.2</u>	MPH	0	<u>1.3</u>	<u>1.6</u>	<u>8.3</u>
SPD 150A	<u>5.5</u>	MPH	0	<u>1.7</u>	<u>3.0</u>	<u>9.6</u>
SPD 150B	<u>57.4</u>	MPH	0	<u>1.0</u>	<u>57.3</u>	<u>57.6</u>
SPD 250	<u>9.9</u>	MPH	0	<u>1.8</u>	<u>2.0</u>	<u>12.3</u>
DIR 33A	<u>50.0</u>	DEG	0	<u>12.0</u>	<u>15.0</u>	<u>88.0</u>
DIR 33B	<u>52.0</u>	DEG	0	<u>10.0</u>	<u>17.0</u>	<u>80.0</u>
DIR150A	<u>52.0</u>	DEG	0	<u>5.0</u>	<u>21.0</u>	<u>60.0</u>
DIR150B	<u>54.0</u>	DEG	0	<u>1.0</u>	<u>52.0</u>	<u>56.0</u>
DIR250	<u>53.0</u>	DEG	0	<u>5.0</u>	<u>41.0</u>	<u>67.0</u>
TER 33A	<u>65.4</u>	F	0			
TER 33B	<u>65.8</u>	F	0			
TER150A	<u>65.4</u>	F	0			
TER150B	<u>65.8</u>	F	0			
TER250A	<u>65.4</u>	F	0			
DT150-33A	<u>0.0</u>	F/	0			
DT150-33B	<u>0.0</u>	F/	0			
DT250-33A	<u>0.0</u>	F/	0			
DT250-33B	<u>0.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89 12:30 RECORD NUMBER 4003 RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.3</u>	MPH	0	<u>1.8</u>	<u>0.9</u>	<u>9.3</u>
SPD 33B	<u>5.7</u>	MPH	0	<u>1.4</u>	<u>0.4</u>	<u>9.0</u>
SPD 150A	<u>5.4</u>	MPH	0	<u>1.6</u>	<u>3.1</u>	<u>9.5</u>
SPD 150B	<u>57.4</u>	MPH	0	<u>1.0</u>	<u>57.3</u>	<u>57.6</u>
SPD 250	<u>9.7</u>	MPH	0	<u>0.7</u>	<u>2.0</u>	<u>13.6</u>
DIR 33A	<u>51.0</u>	DEG	0	<u>11.0</u>	<u>9.0</u>	<u>79.0</u>
DIR 33B	<u>52.0</u>	DEG	0	<u>11.0</u>	<u>3.0</u>	<u>84.0</u>
DIR150A	<u>52.0</u>	DEG	0	<u>5.0</u>	<u>33.0</u>	<u>60.0</u>
DIR150B	<u>52.0</u>	DEG	0	<u>0.0</u>	<u>52.0</u>	<u>56.0</u>
DIR250	<u>53.0</u>	DEG	0	<u>7.0</u>	<u>28.0</u>	<u>60.0</u>
TER 33A	<u>65.5</u>	F	0			
TER 33B	<u>65.9</u>	F	0			
TER150A	<u>65.5</u>	F	0			
TER150B	<u>65.5</u>	F	0			
TER250A	<u>65.6</u>	F	0			
DT150-33A	<u>0.0</u>	F/	0			
DT150-33B	<u>0.0</u>	F/	0			
DT250-33A	<u>0.1</u>	F/	0			
DT250-33B	<u>- 0.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

12:45

RECORD NUMBER 4004

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.5</u>	MPH	0	<u>1.7</u>	<u>2.8</u>	<u>12.1</u>
SPD 33B	<u>5.8</u>	MPH	0	<u>1.3</u>	<u>3.0</u>	<u>8.5</u>
SPD 150A	<u>5.7</u>	MPH	0	<u>1.6</u>	<u>3.2</u>	<u>9.4</u>
SPD 150B	<u>57.2</u>	MPH	0	<u>0.2</u>	<u>57.1</u>	<u>59.0</u>
SPD 250	<u>10.4</u>	MPH	0	<u>1.0</u>	<u>7.8</u>	<u>13.0</u>
DIR 33A	<u>50.0</u>	DEG	0	<u>10.0</u>	<u>15.0</u>	<u>75.0</u>
DIR 33B	<u>49.0</u>	DEG	0	<u>11.0</u>	<u>3.1</u>	<u>83.0</u>
DIR150A	<u>48.0</u>	DEG	0	<u>6.0</u>	<u>35.0</u>	<u>63.0</u>
DIR150B	<u>49.0</u>	DEG	0	<u>0.0</u>	<u>48.0</u>	<u>50.0</u>
DIR250	<u>50.0</u>	DEG	0	<u>7.0</u>	<u>25.0</u>	<u>65.0</u>
TER 33A	<u>65.4</u>	F	0			
TER 33B	<u>65.0</u>	F	0			
TER150A	<u>65.5</u>	F	0			
TER150B	<u>65.1</u>	F	0			
TER250A	<u>65.4</u>	F	0			
DT150-33A	<u>0.1</u>	F/	0			
DT150-33B	<u>0.1</u>	F/	0			
DT250-33A	<u>0.0</u>	F/	0			
DT250-33B	<u>0.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

13:00

RECORD NUMBER 4005

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.2</u>	MPH	0	<u>1.6</u>	<u>1.2</u>	<u>9.1</u>
SPD 33B	<u>5.4</u>	MPH	0	<u>1.5</u>	<u>2.0</u>	<u>9.2</u>
SPD 150A	<u>5.3</u>	MPH	0	<u>1.5</u>	<u>3.1</u>	<u>9.1</u>
SPD 150B	<u>57.3</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.4</u>
SPD 250	<u>9.6</u>	MPH	0	<u>1.2</u>	<u>7.0</u>	<u>13.9</u>
DIR 33A	<u>50.0</u>	DEG	0	<u>11.0</u>	<u>16.0</u>	<u>76.0</u>
DIR 33B	<u>52.0</u>	DEG	0	<u>10.0</u>	<u>15.0</u>	<u>73.0</u>
DIR150A	<u>50.0</u>	DEG	0	<u>6.0</u>	<u>32.0</u>	<u>65.0</u>
DIR150B	<u>49.0</u>	DEG	0	<u>0.0</u>	<u>48.0</u>	<u>49.9</u>
DIR250	<u>48.0</u>	DEG	0	<u>7.0</u>	<u>30.0</u>	<u>70.0</u>
TER 33A	<u>65.6</u>	F	0			
TER 33B	<u>66.0</u>	F	0			
TER150A	<u>65.7</u>	F	0			
TER150B	<u>66.1</u>	F	0			
TER250A	<u>65.6</u>	F	0			
DT150-33A	<u>0.0</u>	F/	0			
DT150-33B	<u>0.0</u>	F/	0			
DT250-33A	<u>0.0</u>	F/	0			
DT250-33B	<u>- 0.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

13:15

RECORD NUMBER 4006

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>5.4</u>	MPH	0	<u>1.6</u>	<u>1.0</u>	<u>9.7</u>
SPD 33B	<u>5.8</u>	MPH	0	<u>1.4</u>	<u>2.1</u>	<u>9.0</u>
SPD 150A	<u>2.5</u>	MPH	0	<u>1.4</u>	<u>2.0</u>	<u>9.2</u>
SPD 150B	<u>57.5</u>	MPH	0	<u>1.0</u>	<u>57.3</u>	<u>57.6</u>
SPD 250	<u>10.3</u>	MPH	0	<u>1.0</u>	<u>8.0</u>	<u>13.2</u>
DIR 33A	<u>49.0</u>	DEG	0	<u>10.0</u>	<u>17.0</u>	<u>77.0</u>
DIR 33B	<u>48.0</u>	DEG	0	<u>11.0</u>	<u>15.0</u>	<u>75.0</u>
DIR150A	<u>50.0</u>	DEG	0	<u>6.1</u>	<u>33.0</u>	<u>68.0</u>
DIR150B	<u>51.0</u>	DEG	0	<u>0.0</u>	<u>51.0</u>	<u>51.0</u>
DIR250	<u>52.0</u>	DEG	0	<u>7.0</u>	<u>31.0</u>	<u>71.0</u>
TER 33A	<u>65.5</u>	F	0			
TER 33B	<u>65.9</u>	F	0			
TER150A	<u>64.8</u>	F	0			
TER150B	<u>64.9</u>	F	0			
TER250A	<u>64.5</u>	F	0			
DT150-33A	<u>- 0.6</u>	F/	0			
DT150-33B	<u>- 0.9</u>	F/	0			
DT250-33A	<u>- 1.0</u>	F/	0			
DT250-33B	<u>- 1.5</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

8/16/89

13:30

RECORD NUMBER 4007

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>8.4</u>	MPH	0	<u>1.6</u>	<u>4.0</u>	<u>12.5</u>
SPD 33B	<u>8.7</u>	MPH	0	<u>1.4</u>	<u>4.4</u>	<u>12.3</u>
SPD 150A	<u>10.1</u>	MPH	0	<u>1.8</u>	<u>6.0</u>	<u>13.2</u>
SPD 150B	<u>57.4</u>	MPH	0	<u>0.0</u>	<u>57.2</u>	<u>57.5</u>
SPD 250	<u>10.5</u>	MPH	0	<u>1.2</u>	<u>7.4</u>	<u>12.8</u>
DIR 33A	<u>50.0</u>	DEG	0	<u>11.0</u>	<u>16.0</u>	<u>78.0</u>
DIR 33B	<u>51.0</u>	DEG	0	<u>10.0</u>	<u>15.0</u>	<u>70.0</u>
DIR150A	<u>51.0</u>	DEG	0	<u>6.2</u>	<u>35.0</u>	<u>69.0</u>
DIR150B	<u>50.0</u>	DEG	0	<u>0.0</u>	<u>50.0</u>	<u>50.5</u>
DIR250	<u>54.0</u>	DEG	0	<u>8.0</u>	<u>30.0</u>	<u>75.0</u>
TER 33A	<u>65.6</u>	F	0			
TER 33B	<u>66.0</u>	F	0			
TER150A	<u>64.8</u>	F	0			
TER150B	<u>65.0</u>	F	0			
TER250A	<u>64.3</u>	F	0			
DT150-33A	<u>-1.0</u>	F/	0			
DT150-33B	<u>-0.7</u>	F/	0			
DT250-33A	<u>-1.0</u>	F/	0			
DT250-33B	<u>-1.5</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

8/16/89

13:45

RECORD NUMBER 4008

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>8.2</u>	MPH	0	<u>6.0</u>	<u>1.8</u>	<u>12.1</u>
SPD 33B	<u>8.3</u>	MPH	0	<u>1.6</u>	<u>3.3</u>	<u>11.3</u>
SPD 150A	<u>7.4</u>	MPH	0	<u>6.0</u>	<u>6.0</u>	<u>10.9</u>
SPD 150B	<u>57.4</u>	MPH	0	<u>0.0</u>	<u>57.3</u>	<u>57.5</u>
SPD 250	<u>9.8</u>	MPH	0	<u>1.3</u>	<u>7.5</u>	<u>12.0</u>
DIR 33A	<u>46.0</u>	DEG	0	<u>14.0</u>	<u>14.0</u>	<u>115.0</u>
DIR 33B	<u>17.0</u>	DEG	0	<u>12.0</u>	<u>332.0</u>	<u>57.0</u>
DIR150A	<u>32.0</u>	DEG	0	<u>7.0</u>	<u>15.0</u>	<u>53.0</u>
DIR150B	<u>56.0</u>	DEG	0	<u>0.0</u>	<u>55.0</u>	<u>58.0</u>
DIR250	<u>27.0</u>	DEG	0	<u>7.0</u>	<u>9.0</u>	<u>46.0</u>
TER 33A	<u>65.6</u>	F	0			
TER 33B	<u>66.1</u>	F	0			
TER150A	<u>64.8</u>	F	0			
TER150B	<u>65.0</u>	F	0			
TER250A	<u>64.2</u>	F	0			
DT150-33A	<u>- 0.7</u>	F/	0			
DT150-33B	<u>- 1.0</u>	F/	0			
DT250-33A	<u>- 1.0</u>	F/	0			
DT250-33B	<u>- 1.6</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

8/16/89

14:00

RECORD NUMBER 4009

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>9.8</u>	MPH	0	<u>1.8</u>	<u>4.2</u>	<u>13.7</u>
SPD 33B	<u>9.5</u>	MPH	0	<u>1.4</u>	<u>4.4</u>	<u>13.0</u>
SPD 150A	<u>9.0</u>	MPH	0	<u>1.4</u>	<u>5.3</u>	<u>11.4</u>
SPD 150B	<u>57.4</u>	MPH	0	<u>0.0</u>	<u>57.3</u>	<u>57.4</u>
SPD 250	<u>11.1</u>	MPH	0	<u>1.0</u>	<u>8.5</u>	<u>14.5</u>
DIR 33A	<u>42.0</u>	DEG	0	<u>11.0</u>	<u>17.0</u>	<u>80.0</u>
DIR 33B	<u>19.0</u>	DEG	0	<u>14.0</u>	<u>351.0</u>	<u>74.0</u>
DIR150A	<u>30.0</u>	DEG	0	<u>7.0</u>	<u>20.0</u>	<u>48.0</u>
DIR150B	<u>57.0</u>	DEG	0	<u>0.0</u>	<u>56.0</u>	<u>58.0</u>
DIR250	<u>24.0</u>	DEG	0	<u>6.0</u>	<u>9.0</u>	<u>43.0</u>
TER 33A	<u>65.6</u>	F	0			
TER 33B	<u>66.1</u>	F	0			
TER150A	<u>64.9</u>	F	0			
TER150B	<u>65.0</u>	F	0			
TER250A	<u>64.3</u>	F	0			
DT150-33A	<u>- 0.7</u>	F/	0			
DT150-33B	<u>- 1.0</u>	F/	0			
DT250-33A	<u>- 1.0</u>	F/	0			
DT250-33B	<u>- 1.5</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

8/16/89

14:15

RECORD NUMBER 4010

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	<u>9.7</u>	MPH	0	<u>2.0</u>	<u>5.2</u>	<u>14.3</u>
SPD 33B	<u>10.0</u>	MPH	0	<u>1.4</u>	<u>6.2</u>	<u>14.0</u>
SPD 150A	<u>14.0</u>	MPH	0	<u>1.5</u>	<u>5.3</u>	<u>11.0</u>
SPD 150B	<u>59.3</u>	MPH	0	<u>0.0</u>	<u>59.1</u>	<u>62.4</u>
SPD 250	<u>11.5</u>	MPH	0	<u>1.5</u>	<u>6.5</u>	<u>15.9</u>
DIR 33A	<u>40.0</u>	DEG	0	<u>13.0</u>	<u>5.0</u>	<u>92.0</u>
DIR 33B	<u>40.0</u>	DEG	0	<u>12.9</u>	<u>5.0</u>	<u>90.0</u>
DIR150A	<u>30.0</u>	DEG	0	<u>8.0</u>	<u>13.0</u>	<u>53.0</u>
DIR150B	<u>56.0</u>	DEG	0	<u>0.0</u>	<u>55.0</u>	<u>57.0</u>
DIR250	<u>27.0</u>	DEG	0	<u>7.0</u>	<u>12.0</u>	<u>57.0</u>
TER 33A	<u>65.7</u>	F	0			
TER 33B	<u>66.1</u>	F	0			
TER150A	<u>65.0</u>	F	0			
TER150B	<u>65.2</u>	F	0			
TER250A	<u>64.5</u>	F	0			
DT150-33A	<u>- 0.6</u>	F/	0			
DT150-33B	<u>- 0.9</u>	F/	0			
DT250-33A	<u>- 0.8</u>	F/	0			
DT250-33B	<u>- 1.4</u>	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

SECTION 10.2
FIELD DATA AND MAPS



TABLE 10.2

PLUME ARRIVAL/DEPARTURE TIMES

<u>DISTANCE (MI)</u>	<u>ARRIVES *</u> <u>TABLE 10.3</u>	<u>DEPARTS **</u> <u>TABLE 10.4</u>
0.5	11:51	13:21
1.0	11:57	13:27
2.0	12:09	13:39
3.0	12:21	13:51
4.0	12:33	14:03
5.0	12:45	14:15
6.0	12:57	14:27
7.0	13:09	14:39
8.0	13:21	14:51
9.0	13:33	15:03
10.0	13:45	15:15
11.0	13:57	15:27
12.0	14:09	15:39

NOTES:

* After indicated arrival time, refer to offsite radiological data shown on Table 10.3 for zone of interest.

** After indicated departure time, refer to post-plume offsite radiological data shown on Tables 10.4 and 10.5.

TABLE 10.3-A
RADIOLOGICAL SURVEY/SAMPLING DATA
(RG&E FIELD TEAMS)

ZONE	CLOSE WINDOW (mr/hr)		OPEN WINDOW (mr/hr)		DOSIMETRY INCREMENT EXPOSURE (mREM)	IODINE CARTRIDGE (CPM)	PARTIC. FILTER (CPM)
	3 FEET	CONTACT	3 FEET	CONTACT			
A	5,800	5,800	7,900	7,900	1,500	49,000	50,000
B	2,700	2,700	3,600	3,600	650	23,000	29,000
C	1,100	1,100	1,500	1,500	270	9,500	12,000
D	450	450	600	600	110	4,000	5,100
E	280	280	380	380	70	2,500	3,200
F	190	190	260	260	50	1,700	2,200
G	120	120	170	170	30	1,100	1,400
H	90	90	120	120	22	820	1,000
I	70	70	95	95	18	650	810

NOTES:

1. Dose rate readings apply to Victoreen 450 dose rate instrument or equivalent. Ensure that readings provided do not exceed range of survey instrument being used. Provide only those readings being requested, or in accordance with Controller instructions.
2. Dosimeter incremental exposure assumes a 15-minute stay-time in the particular zone of interest. Incremental values may be scaled up or down as appropriate. Provide cumulative dosimeter reading only when requested.
3. Air samples assume use of RADECO H-809C air sampler or equivalent. Volume assumed is approximately 180 liters (30 lpm for 6 minutes), and field reading is with HP-260.
4. BKG = Use actual background reading of survey instrument being used.

TABLE 10.3-B
RADIOLOGICAL SURVEY/SAMPLING DATA
(COUNTY FIELD TEAMS)

ZONE	CLOSE WINDOW (mr/hr)		OPEN WINDOW (mr/hr)		DOSIMETRY INCREMENT EXPOSURE (mREM)	IODINE CARTRIDGE (CPM)	PARTIC. FILTER (CPM)
	3 FEET	CONTACT	3 FEET	CONTACT			
A	5,800	5,800	7,900	7,900	1,500	50,000	50,000
B	2,700	2,700	3,600	3,600	650	37,000	47,000
C	1,100	1,100	1,500	1,500	270	15,000	19,000
D	450	450	600	600	110	6,300	8,000
E	280	280	380	380	70	3,900	5,000
F	190	190	260	260	50	2,700	3,400
G	120	120	170	170	30	1,700	2,200
H	90	90	120	120	22	1,300	1,600
I	70	70	95	95	18	1,000	1,300

NOTES:

1. Dose rate readings apply to Victoreen 450, CDV-715, RO-2 dose rate instrument or equivalent. Ensure that readings provided do not exceed range of survey instrument being used. Provide only those readings being requested, or in accordance with Controller instructions.
2. Dosimeter incremental exposure assumes a 15-minute stay-time in the particular zone of interest. Incremental values may be scaled up or down as appropriate. Provide cumulative dosimeter reading only when requested.
3. Air samples assume use of RADECO H-809C air sampler or equivalent. Volume assumed is approximately 10 cu ft., and field reading is with HP-260 or equivalent.
4. BKG = Use actual background reading of survey instrument being used.

TABLE 10.4

POST-PLUME SURVEY DATA
(FOR END-WINDOW AND PANCAKE PROBES)

POST-PLUME DECAY TIME = 1.0 HOUR

ZONE	TOTAL GROUND ACTIVITY UCI/M2	END-WINDOW PROBE (CPM)		PANCAKE PROBE (CPM)	
		1 METER	1 CM	1 METER	1 CM
A	5.63E+02	1.6E+04	5.0E+04	2.6E+04	5.0E+04
B	2.56E+02	7.3E+03	5.0E+04	1.2E+04	5.0E+04
C	1.04E+02	3.0E+03	4.2E+04	4.9E+03	5.0E+04
D	4.40E+01	1.3E+03	1.8E+04	2.1E+03	4.4E+04
E	2.73E+01	7.8E+02	1.1E+04	1.3E+03	2.7E+04
F	1.88E+01	5.4E+02	7.5E+03	8.8E+02	1.9E+04
G	1.20E+01	3.4E+02	4.8E+03	5.6E+02	1.2E+04
H	8.61E+00	2.5E+02	3.4E+03	4.0E+02	8.6E+03
I	6.80E+00	1.9E+02	2.7E+03	3.2E+02	6.8E+03

NOTE: BKG = Use actual background reading of survey instrument being used.

TABLE 10.5

POST-PLUME SURVEY DATA
(GAMMA MICRO-R/HOUR READINGS)

POST-PLUME DECAY TIME = 1.0 HOUR

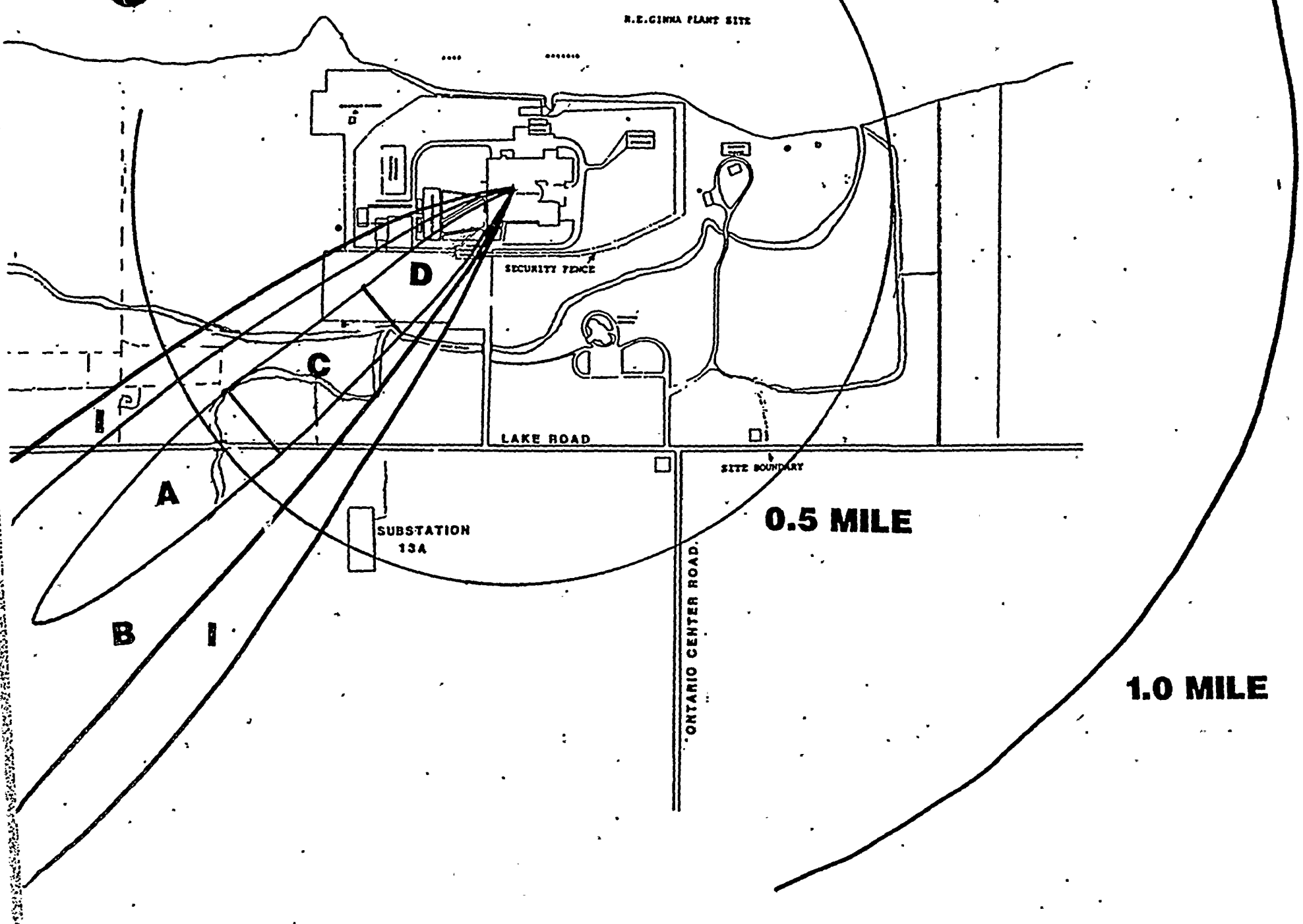
ZONE	TOTAL GROUND ACTIVITY UCI/M2	MICRO-R/HOUR @1 METER	MICRO-R/HR @1 CM
A	5.63E+02	7.3E+03	1.2E+04
B	2.56E+02	3.3E+03	5.6E+03
C	1.04E+02	1.4E+03	2.3E+03
D	4.40E+01	5.7E+02	9.7E+02
E	2.73E+01	3.5E+02	6.0E+02
F	1.88E+01	2.4E+02	4.1E+02
G	1.20E+01	1.6E+02	2.6E+02
H	8.61E+00	1.1E+02	1.9E+02
I	6.80E+00	8.8E+01	1.5E+02

NOTE: BKG = Use actual background reading of survey instrument being used.



PLUME MAP (0-1 MILE)

R.E. GINNA PLANT SITE



0.5 MILE

1.0 MILE



SECTION 10.3

FIELD AIR SAMPLE ISOTOPIC DATA



TABLE 10.6-A

AIR PARTICULATE FILTER
ISOTOPIC ACTIVITY

SAMPLE COLLECTION DURING PLUME PHASE

ZONE	TOTAL ACTIVITY UCI/CC	FIELD READING (CPM)	I-131 UCI/CC	I-133 UCI/CC	I-135 UCI/CC	CS-134 UCI/CC	CS-137 UCI/CC	BA-140 UCI/CC	LA-140 UCI/CC
A	1.25E-06	15,817	1.98E-07	3.97E-07	3.59E-07	4.76E-09	2.18E-09	1.11E-10	1.11E-10
B	5.39E-07	6,852	8.57E-08	1.71E-07	1.55E-07	2.06E-09	9.43E-10	4.80E-11	4.80E-11
C	2.19E-07	2,807	3.49E-08	6.98E-08	6.32E-08	8.38E-10	3.84E-10	1.95E-11	1.95E-11
D	9.25E-08	1,201	1.47E-08	2.94E-08	2.66E-08	3.53E-10	1.62E-10	8.24E-12	8.24E-12
E	5.73E-08	756	9.12E-09	1.82E-08	1.65E-08	2.19E-10	1.00E-10	5.11E-12	5.11E-12
F	3.95E-08	530	6.29E-09	1.26E-08	1.14E-08	1.51E-10	6.92E-11	3.52E-12	3.52E-12
G	2.52E-08	349	4.01E-09	8.03E-09	7.26E-09	9.63E-11	4.41E-11	2.25E-12	2.25E-12
H	1.81E-08	259	2.88E-09	5.76E-09	5.22E-09	6.92E-11	3.17E-11	1.61E-12	1.61E-12
I	1.43E-08	211	2.27E-09	4.55E-09	4.12E-09	5.46E-11	2.50E-11	1.27E-12	1.27E-12

TABLE 10.6-B

SILVER ZEOLITE CARTRIDGE
RADIOIODINE ISOTOPIC ACTIVITY

SAMPLE COLLECTION DURING PLUME PHASE

ZONE	TOTAL ACTIVITY UCI/CC	FIELD READING (CPM)	I-131 UCI/CC	I-132 UCI/CC	I-133 UCI/CC	I-134 UCI/CC	I-135 UCI/CC
A	1.12E-05	40,174	1.61E-06	2.31E-06	3.21E-06	0.00E+00	2.91E-06
B	4.82E-06	17,376	6.94E-07	1.00E-06	1.39E-06	0.00E+00	1.26E-06
C	1.96E-06	7,091	2.83E-07	4.07E-07	5.65E-07	0.00E+00	5.12E-07
D	8.28E-07	3,007	1.19E-07	1.72E-07	2.38E-07	0.00E+00	2.16E-07
E	5.13E-07	1,875	7.39E-08	1.06E-07	1.48E-07	0.00E+00	1.34E-07
F	3.54E-07	1,302	5.09E-08	7.33E-08	1.02E-07	0.00E+00	9.22E-08
G	2.26E-07	842	3.25E-08	4.68E-08	6.50E-08	0.00E+00	5.88E-08
H	1.62E-07	613	2.33E-08	3.36E-08	4.67E-08	0.00E+00	4.23E-08
I	1.28E-07	490	1.84E-08	2.65E-08	3.68E-08	0.00E+00	3.33E-08

THE ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

EMERGENCY PREPAREDNESS EXERCISE MANUAL

1989 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

AUGUST 16, 1989

Prepared By:

Rochester Gas and Electric Corporation

CONTROLLED COPY NO. _____

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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

1989 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

FOREWORD

This Exercise package has been developed to provide the basis for the conduct of a simulated radiological accident at the Ginna Station located in Ontario, New York. Through this Exercise, the capabilities and effectiveness of the Emergency Response Plans for the Rochester Gas and Electric Corporation, the State of New York, and Monroe and Wayne Counties will be evaluated. This package is to be utilized by the Exercise Controllers and observers to initiate, control and evaluate the activities of the participants in the Exercise.

The Rochester Gas and Electric Corporation and the State of New York approve this document as the standard for conduct in performance of the August 1989, Emergency Preparedness Exercise.



THE ROCHESTER GAS AND ELECTRIC CORPORATION, GINNA STATION

1989 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

INTRODUCTION

The Nuclear Emergency Response Plan (NERP) describes the emergency response capabilities for a nuclear emergency at the Ginna Station, including support from Federal, State, and local government agencies and private organizations. The Nuclear Emergency Response Plan provides for continuous emergency preparedness, including an annual Exercise.

The purpose of the Plume Exposure Emergency Preparedness Exercise is to activate and evaluate major portions of the emergency response capabilities and other aspects of the Emergency Plan and associated Emergency Plan Implementing Procedures, in accordance with Nuclear Regulatory Commission (NRC) Regulation 10CFR50.47(b) and Appendix E. This Exercise will be with the participation of the State of New York, and the Counties of Wayne and Monroe in order to assess State and Local Government Agency Emergency Response. The conduct and evaluation of the Exercise provide additional training for the Plume Exposure Pathway emergency response organization personnel and a means to further enhance Rochester Gas and Electric Corporation's emergency response capability.

This Exercise Manual has been developed to provide the basis for the conduct of a simulated radiological accident at the Ginna Station facility located in Ontario, New York. This manual is to be utilized by the Exercise Controllers to initiate, control, and evaluate the activities of the participants in the Exercise. Exercise "players" will not have prior knowledge of the nature of the simulated incident or any parts thereof such as radiological plume release information, including times, content, size and weather pattern used.

This Exercise Manual is the control mechanism for the conduct of the Exercise and consists of two parts. Part I provides a general description and overview of the emergency Exercise. Part II contains the scenario and time schedule of simulated plant conditions. The Exercise Manual is subject to a limited, controlled distribution.





"SPOUSE PHONE" QUESTIONS

SECTION 8.0 ADDITIONAL OSC CORRECTIVE ACTION MINI-SCENARIOS

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

1. THE STATE OF TEXAS, County of EL PASO, do hereby certify that JOSEPH A. GARCIA is the holder of the following described land, to-wit:



1989 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

SCENARIO DEVELOPMENT COMMITTEE

Wes Backus
Dave Burke
David Hamelink
Richard Watts
Mike Power



GINNA STATION

1989 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

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GINNA STATION

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1989 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

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SECTION 1.0

SCOPE AND OBJECTIVES

1.0 SCOPE AND ON-SITE OBJECTIVES - PLUME EXPOSURE PATHWAY

1.1 Scope

The 1989 Full Scale Emergency Preparedness Plume Exposure Pathway Exercise will simulate accident events culminating in a radiological accident resulting in the activation of on-site and off-site facilities. The Exercise will involve events that test the effectiveness of the Ginna Station Emergency Preparedness Program and the integrated capabilities of the emergency organizations of the State of New York and the Counties of Wayne and Monroe. The Exercise will include the limited mobilization of state and local resources adequate to verify their capability to respond to an accident.

1.2 On-Site Objectives for the 1989 Ginna Evaluated Plume Exposure Pathway Exercise

The major objective of the Exercise is to demonstrate the response capabilities of the Rochester Gas and Electric Corporation Emergency Response Organization. Within this overall objective, numerous individual objectives are specified as follows:

- 1.2.1 Demonstrate the ability to mobilize, staff and activate Emergency Response Facilities promptly.
- 1.2.2 Demonstrate the ability to fully staff facilities and to maintain staffing on an around-the-clock basis through the use of relief shift rosters (limited shift changes may occur to allow for operational restrictions).
- 1.2.3 Demonstrate the ability to make decisions and to coordinate emergency activities.
- 1.2.4 Demonstrate the adequacy of facilities and displays and the utilization of procedures to support emergency operations.
- 1.2.5 Demonstrate the ability to communicate with all appropriate locations, organizations, and field personnel.
- 1.2.6 Demonstrate the ability to mobilize and deploy Radiation Survey Teams.
- 1.2.7 Demonstrate the appropriate equipment and procedures for determining ambient radiation levels.

- 1.2.8 Demonstrate the availability of appropriate equipment and procedures for measurement of airborne radioiodine concentrations as low as 1.0 E-7 uCi/cc in the presence of noble gases.
- 1.2.9 Demonstrate the availability of appropriate equipment and procedures for the collection of environmental samples.
- *1.2.10 Demonstrate the ability to project dosage to the public via plume exposure, based on Plant and field data, and to determine appropriate protective measures, based on Plant conditions, Protective Action Guidelines, available shelter, evacuation time estimates, expected release duration, and other appropriate factors.
- 1.2.11 Demonstrate the ability to notify offsite officials and agencies within 15 minutes of declaration of an emergency.
- 1.2.12 Demonstrate the ability to periodically update offsite officials and agencies of the status of the emergency based on data available at Ginna Station.
- 1.2.13 Demonstrate the ability to notify emergency support pools as appropriate (i.e., INPO, ANI, etc.).
- 1.2.14 Demonstrate the ability to notify onsite personnel using Plant alarms and public address systems.
- 1.2.15 Demonstrate the ability to effectively assess incident conditions and to properly classify the incident.
- 1.2.16 Demonstrate the organizational ability and resources necessary to manage an accountability of personnel within the protected area.
- 1.2.17 Demonstrate the organizational ability and resources necessary to manage an orderly evacuation of protected area personnel.
- 1.2.18 Demonstrate the organizational ability and resources necessary to control access to the site.
- 1.2.19 Demonstrate the ability to continuously monitor and control emergency workers' exposure.
- 1.2.20 Demonstrate the adequacy of facilities and displays to support the Joint Emergency News Center operations.



- 1.2.21 Demonstrate the ability to brief the media in a clear, accurate, and timely manner.
- 1.2.22 Demonstrate the ability to provide advance coordination of information released to the public.
- 1.2.23 Demonstrate the ability to establish and operate rumor control in a coordinated fashion.
- 1.2.24 Demonstrate the adequacy of in-plant post-accident sampling techniques and analysis.
- 1.2.25 Demonstrate the ability to develop proposed short term and long term actions to support Plant recovery.
- 1.2.26 Demonstrate the adequacy of fire-fighting practices and procedures.
- 1.2.27 Demonstrate the adequacy of measures taken to correct principal findings and observations identified during the previous exercise.
- 1.2.28 Demonstrate the ability to conduct a post-exercise critique which adequately characterizes licensee performance based upon controller and observer assessments.

1.3 Summary of Proposed Activities

Table 1.1 provides a list of proposed RG&E activities.

*Note: Open item identified during NRC Inspection No. 50-244/88-21.

TABLE 1.1

1989 GINNA STATION EMERGENCY PREPAREDNESS EXERCISE
(PLUME EXPOSURE)

PROPOSED ONSITE ACTIVITIES

	<u>RG&E</u>
Notification of Agencies	Actual
Call Up of Personnel	Actual
Activate Organization	Actual
Maintain Security	Actual
Conduct Dose Assessment	Actual
Protective Action Recommendations	Actual
Operate Joint News Center	Actual
EPZ Siren Activation	N/A
Route Alerting	N/A
EBS Message Broadcast	N/A
Dispatch Field Survey Teams	Actual-5*
Exchange of Field Data	Actual*
Reception Center Setup	N/A
Congregate Care Center	N/A
School Bus Run	N/A
General Population	N/A
Traffic Control Points	N/A
Road Impediments	N/A
Coast Guard (notify only)	N/A
Mobility Impaired	N/A

*Note: Field teams will be deployed and will demonstrate communications with respective emergency response facilities.



SIMULATIONS

- o Respiratory protection and protective clothing will be simulated by onsite/offsite survey teams. In-Plant teams will don such protection at the Controller's discretion.
- o Call out of offsite fire companies will be simulated.



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1.4

OFFSITE OBJECTIVES AND PROPOSED ACTIVITIES

The offsite agencies' objectives and Proposed Activities are found as follows:

<u>Agency</u>	<u>Attachment</u>
State of New York	A
Monroe County	A
Wayne County	A

The offsite Exercise objectives are written in reference to the FEMA Example Exercise Objectives.

1.5

SUMMARY OF PROPOSED OFFSITE ACTIVITIES

Attachment A also lists a summary of proposed activities for the 1989 Ginna Emergency Preparedness Exercise. The listing describes, by organization, if an activity is to actually be accomplished or is to be simulated. A blank space denotes that the activity does not apply to that particular agency.

ATTACHMENT A
OFFSITE OBJECTIVES



PROPOSED OBJECTIVES FOR THE GINNA NUCLEAR STATION

OBJECTIVE 1:

Demonstrate the ability to monitor, understand and use emergency classification levels (ECL) through the appropriate implementation of emergency functions and activities corresponding to ECL's as required by the scenario. The four ECL's are: Notification of Unusual Event, Alert, Site Area Emergency and General Emergency.

Locations Observed: SEOC, JNC, EOF, MCEOC, WCEOC

OBJECTIVE 2:

Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

Locations Observed: SEOC, JNC, EOF, MCEOC, WCEOC

ARCA: JNC #1

OBJECTIVE 3:

Demonstrate the ability to direct, coordinate and control emergency activities.

Locations Observed: SEOC, MCEOC, WCEOC

ARCA: NYS #1

OBJECTIVE 4:

Demonstrate ability to communicate with all appropriate locations, organizations, and field personnel.

Locations Observed: SEOC, EOF, MCEOC, MCFA, WCEOC, WCFA

OBJECTIVE 5:

Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.

Locations Observed: SEOC, JNC, EOF, MCEOC, WCEOC

ARCA: WC #6

OBJECTIVE 6:

Demonstrate the ability to continuously monitor and control emergency worker exposure.

Locations Observed: MCFA, WCFA

OBJECTIVE 7:

Demonstrate the appropriate equipment and procedures for determining field radiation measurements.

Locations Observed: MCFA, WCFA

ARCAS: WC #4, MC #1, MC #2, MC #3

OBJECTIVE 8:

Demonstrate the appropriate equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10⁻⁷ microcuries per cc in the presence of noble gases.

Locations Observed: MCFA, WCFA

ARCAS: WC #5, MC #13,

OBJECTIVE 9:

Demonstrate the ability to obtain samples of particulate activity in the airborne plume and promptly perform laboratory analyses.

Locations Observed: MCFA, WCFA

ARCA: WC #3

OBJECTIVE 10:

Demonstrate the ability, within the plume exposure pathway, to project dosage to the public via plume exposure, based on plant and field data.

Locations Observed: MCEOC, WCEOC, SEOC^A

ARCAS: WC #1,

OBJECTIVE 11:

Demonstrate the ability to make appropriate protective action decisions, based on projected or actual dosage, EPA PAG's, availability of adequate shelter, evacuation time estimates and other relevant factors.

Locations Observed: MCEOC, WCEOC, SEOC^A

ARCA: WC #2

OBJECTIVE 12:

Demonstrate the ability to initially alert the public within the 10-mile EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate State and/or local official(s).

Locations Observed: MCEOC, WCEOC, JNC, RADIO STATION _____, SEOC^A

OBJECTIVE 13:

Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.

Locations Observed: MCEOC, WCEOC, JNC, SEOC^A

ARCA: JNC #2

OBJECTIVE 14:

Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.

Locations Observed: JNC

OBJECTIVE 15:

Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion.

Locations Observed: JNC

OBJECTIVE 16:

Demonstrate the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made, if necessitated by radioiodine releases.

Locations Observed: SEOC, MCEOC, WCEOC

OBJECTIVE 18:

Demonstrate the ability and resources necessary to implement appropriate protective actions for the impacted permanent and transient plume EPZ population (including transit-dependent persons, special needs populations, handicapped persons and institutionalized persons).

Locations Observed: MCEOC, MCFA, WCEOC, WCFA

OBJECTIVE 20:

Demonstrate the organizational ability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

Locations Observed: MCEOC, MCFA, WCEOC, WCFA

OBJECTIVE 21:

Demonstrate the adequacy of procedures, facilities, equipment and personnel for the registration, radiological monitoring and decontamination of evacuees.

Locations Observed: MCFA, WCFA

OBJECTIVE 22:

Demonstrate the adequacy of facilities, equipment and personnel for congregate care of evacuees.

Locations Observed: MCFA, WCFA

OBJECTIVE 23:

Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured or exposed individuals.

Locations Observed: WCFA

OBJECTIVE 24:

Demonstrate the adequacy of medical facility's equipment, procedures and personnel for handling contaminated, injured or exposed individuals.

Locations Observed: MCFA,

OBJECTIVE 25:

Demonstrate the adequacy of facilities, equipment, supplies, procedures and personnel for decontamination of emergency workers, equipment and vehicles and for waste disposal.

Locations Observed: MCFA, WCFA

SEMO - State Emergency Management Office
EOF - Emergency Operations Facility
JNC - Joint News Center
MCEOC - Monroe County Emergency Operations Center
MCFA - Monroe County Field Activity
WCEOC - Wayne County Emergency Operations Center
WCFA - Wayne County Field Activity
NYS - New York State
MC - Monroe County
WC - Wayne County
MD - Medical Drill

ARCA'S from October 19, 1988 Post Exercise Assessment

Communications ARCAs for Western and Lake District will not be evaluated as part of the exercise but rather as a separate drill upon the request of the New York State Emergency Management Office.

* This objective will be evaluated for SEOC should the Governor declare a State of Emergency



SECTION 2.0
EXERCISE INFORMATION

2.0 EXERCISE INFORMATION

2.1 Exercise Participants

The participants in the Exercise will include the following:

2.1.1 ROCHESTER GAS AND ELECTRIC CORPORATION

A. Facilities Management and Support Personnel

1. Simulator Control Room
2. Technical Support Center (TSC)
3. Operations Support Center (OSC)
4. Emergency Survey Center
5. Emergency Operations Facility (EOF)
6. Joint Emergency News Center (JENC)
7. Engineering Support Center (ESC)

B. Emergency Response Teams

1. Radiation Survey Teams
2. First Aid Team (if necessary)
3. Emergency OSC Teams
4. Security Force
5. Post Accident Sampling System (PASS) Team
6. Chemistry/Health Physics Support
7. Fire Brigade (if necessary)

2.1.2 OFFSITE AGENCIES/ORGANIZATIONS

Limited participation of the following agencies/organizations is expected:

A. Federal

N/A

B. State

1. New York State Emergency Management Office
2. New York State Department of Health
3. New York State Police

C. Local

1. Wayne County
2. Monroe County

2.2 Exercise Organization

The organization for this Exercise will consist of the Exercise Coordinator, the Controllers, the Players and the Observers, as follows:



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2.2.1 The Exercise Coordinator will coordinate Exercise preparations including the development of the scenario and controller input messages. He will control all aspects of the conduct of the Exercise, prepare a consolidated evaluation and critique report at the conclusion of the Exercise, and prepare and follow up on an itemized list of corrective actions recommended as a result of the evaluation and critique.

2.2.2 Controllers are qualified personnel selected to perform functions as follows:

- A. A Lead Controller is assigned to each emergency response facility. The Lead Controller is responsible for all Controller, Evaluator and Observer activities for that facility and, if appropriate, its associated teams. Controllers for teams or sub areas of a facility report to the Lead Controller of that facility.
- B. The Controllers will deliver "Exercise Messages" to the designated Players at various times and places during the Exercise, inject or deliver additional messages as may be required to initiate the appropriate Player response and keep the Exercise action moving according to the scenario and Exercise objectives, observe the Exercise participants at their assigned locations, and prepare evaluation forms. Controllers/Observers submit written recommendations on corrective actions to the Lead Controller, who in turn summarizes all comments for submittal to the Exercise Coordinator prior to the scheduled critique. The Controllers will be provided with a list of instructions in the Exercise scenario.
- C. Persons designated as Controllers/Observers for a given function will also be assigned as Evaluators of that function when feasible. Evaluators will record their observations using an evaluation form and provide recommendations on corrective actions to the Lead Controller in whose facility they evaluate exercise performance on the basis of standards or requirements contained in the appropriate Emergency Plan, Implementing Procedures, and Exercise messages as described herein. They will take steps, whenever possible, to collect data on the time and motion aspects of the activity observed for post-Exercise use for implementing improvements.

Controllers will be identified by wearing green arm bands with white lettering stating "Controller".



2.2.3 Players include Ginna Station and other Rochester Gas and Electric Corporation personnel assigned to perform emergency functions, as described in the Emergency Plan and Implementing Procedures. Players from off-site organizations and agencies (county, State and private industry) are participants in the Exercise as described in their respective Emergency Plans and Standard Operating Procedures.

2.2.4 Observers from the Rochester Gas and Electric Corporation and other organizations may be assigned to participate in the Exercise solely for the purpose of observing/evaluating Exercise activity. They will be provided with orientation information and appropriate Exercise publications.

Observers will be identified by wearing maroon arm bands with white lettering. Federal agency observers will be identified by wearing blue arm bands with white lettering stating "NRC".

Visitors from the Rochester Gas and Electric Corporation and other organizations may be assigned, on a limited basis, for the sole purpose of observing Exercise activities for personal education. They will be provided with orientation information and appropriate Exercise publications.

Visitors will be identified by wearing white arm bands with black lettering stating "Visitor".

2.2.5 Requests to participate as a Visitor should be made in writing and contain the Visitor's full name, home address and phone number, and organization affiliation. Requests to participate as Visitors must be submitted to the RG&E Corporation Emergency Planner (CEP) no later than one week before the Exercise.

2.3 Emergency Response Facilities

During the Exercise, special facilities must be activated to manage, assess and support emergency response.

RG&E FACILITIES

The Rochester Gas and Electric Corporation Emergency Response Facilities are:



A. Similator Control Room

The Ginna Simulator Control Room will be used. Control Room emergency response measures will be exercised under the direction of the Exercise Shift Supervisor, acting as the Emergency Coordinator, until relieved by the Plant Superintendent or alternate. The Simulator Control Room is located in the Simulator Building next to the Ginna Training Center.

B. Technical Support Center (TSC)

When emergency conditions escalate to an Alert status or higher, coordination of the emergency response will shift from the Control Room to the TSC, located off the Mezzanine Level of the Turbine Building. The Plant Superintendent relieves the Shift Supervisor as Emergency Coordinator and directs activities from the TSC. The TSC is the location from which technical management personnel utilize information on Plant status provided in the TSC to support actions being performed in the Control Room. The TSC serves as the primary communications source to the NRC, OSC, EOF and off-site agencies, and will perform other functions of the EOF until the EOF is activated.

C. Operations Support Center

The OSC, which is located in the TSC, provides a location where emergency response teams can be assembled and coordinated during an emergency. The OSC will be activated for emergency conditions classified as an Alert or higher, and may be activated for an Unusual Event at the discretion of the Emergency Coordinator.

D. Emergency Operations Facility (EOF)

The EOF, which is located in the basement of 49 East Avenue in Rochester, will be activated for emergency conditions classified as a Site Area Emergency or General Emergency (optional for the Alert status). The EOF/Recovery Manager directs the activities of the EOF/Recovery Organization from the EOF. The Emergency Coordinator reports to the EOF/Recovery Manager. The EOF is the command post for coordination of response measures with off-site organizations, assessment of radiological and environmental conditions and determination of recommended protective actions for the public. The EOF also provides direction and management of recovery operations.

E. Joint Emergency News Center (JENC)

The JENC, which is located at 89 East Avenue in Rochester, provides the point of contact for the coordinated release of news and information to the news media and the general public. The JENC is staffed by RG&E Corporation, County, State and Federal officials and will be activated for emergency conditions classified at an Alert, Site Area Emergency or General Emergency.

2.4 Exercise Conduct

2.4.1 Overview

The Exercise will simulate an abnormal radiological incident at Ginna Station which will start with an Alert and escalate to a General Emergency.

During the course of the Exercise, in order to evaluate coordination with appropriate State and local agencies, incidents will arise which require response by off-site emergency response organizations/agencies. The Exercise will also simulate an off-site radiological release which will require deployment of Ginna Station, and Wayne County and Monroe County radiological survey teams for off-site monitoring.

The conduct of the Exercise will demonstrate the effectiveness of selected organizations, personnel, functions, and/or activities of the appropriate Emergency Plans and Implementing Procedures. The simulated emergency will then de-escalate. The Recovery Phase will be initiated and the Exercise will then be terminated.

2.4.2 Actions

Emergency response actions during the simulated emergency will include: recognition and classification of emergency conditions; assessment of on-site/off-site radiological consequences; alert/notification and mobilization of emergency response organizations; implementation of in-Plant corrective actions; activation/operation of emergency response facilities and equipment; preparation of reports, messages and record-keeping; and recommendation of protective actions.

2.4.3 Communications

The Exercise will also demonstrate the effective use of communications systems. An actual emergency operation usually requires the extensive use of both telephone and radios. The telephone is the primary means of communication and will be attempted first, with radio as a backup, unless radio is the only means available. Separate telephone numbers will be used for Controller communications to prevent the Players from learning in advance of the situation to which they are to be subjected during the Exercise. Close cooperation and coordination among Controllers is essential due to the number of persons assigned to the Controller role.

2.4.4 Controllers

Lead Controllers will be stationed in the Simulator Control Room, OSC, TSC, EOF, JENC and County EOCs. Only Lead Controllers can modify Exercise messages or initiate free play messages.

- A. The Simulator Control Room will be the central point for organization of Exercise messages and is the key to ensuring that the Exercise progresses on schedule. Simulated Plant parameters will be provided to the Simulator Control Room operators using Plant data and status sheets. Since it is necessary that the emergency escalate to the General Emergency level, it may be necessary to postulate non-credible situations. The operators will accept the Exercise messages as written. If corrective actions are postulated that would terminate the emergency, they should be identified to the Lead Controller in the affected facility so that the scenario will progress as designed. The Exercise Players are expected to "free play" the scenario to the extent practical. Notifications of, and contact with, supervisors, Plant management and off-site agencies will be made in accordance with the Emergency Plan Implementing Procedures.
- B. The TSC will be the coordination point for on-site emergency response activities. TSC personnel will also coordinate off-site emergency response activities until activation of the EOF. TSC and EOF personnel will be aware that if the Exercise is to proceed as planned, and if the off-site organizations are to be exercised, it may be necessary to postulate non-credible situations. This is done to ensure that various aspects of the on-site and off-site emergency



response organizations are tested. TSC and EOF personnel will accept Exercise messages as written. The intended response is not to explain why a situation could not occur, but to react as though it did occur. If corrective actions are postulated that would terminate the emergency, they should be noted to the Lead Controller.

The Exercise Players in the TSC and EOF are expected to "free play" the scenario to the extent practical. Notifications of, and contact with, supervisors, Plant management and off-site agencies should be made in accordance with the Emergency Plant Implementing Procedures. The scenario is designed to activate on-site and off-site emergency response capabilities.

The Lead Controller may inject other information or change a message to ensure that the Exercise progresses as planned.

2.4.5 Players

The success of the Exercise is largely dependent upon Player reaction, Player knowledge of their appropriate Emergency Plan and Implementing Procedures and an understanding of the purpose of the Exercise. Initial conditions which will affect Player action or reaction will be provided to the Players at the time the Exercise begins. However, most of the elements of the Exercise play will be introduced through the use of controlled Exercise message forms and messages generated by Players as a result of the particular emergency activity performed. Players, therefore, are responsible for initiating actions during the Exercise in accordance with instructions, responsibilities and tasks for their particular function. Each Player will advise his/her Controller prior to performing required emergency actions during the play of simulated activities to ensure that the Player is credited for his/her actions.

Players are reminded not to be excessively concerned with the mechanics or cause of the Exercise scenario. This Exercise is designed to evaluate the Emergency Plan, Implementing Procedures and emergency preparedness training program and not the probability, feasibility or detailed mechanics of the simulated accident. Additionally, the Exercise is a training vehicle for Rochester Gas and Electric Corporation personnel to practice coordinating with outside organizations in a simulated emergency environment. Players should note any needed improvements that come to their attention during the Exercise and submit them to the appropriate Controller at the conclusion of the Exercise.



Precautions and Limitations

This section provides information for all Exercise Controllers and Observers related to the rules and guidelines to be followed throughout the conduct of this Exercise. Prior to initiation of the Exercise, a pre-Exercise briefing will be held to review the entire Exercise process with all the Exercise Controllers and Observers identified in this manual.

- A. Should at any time during the course of the conduct of this Exercise, an actual emergency situation arise, all activities and communications related to the Exercise will be suspended. It will be the responsibility of any Exercise Controller or Observer that becomes aware of an actual emergency to suspend exercise response in his/her immediate area and to inform the Lead Exercise Controller of the situation. Upon notification of an actual emergency, the Lead Exercise Controller may notify all other Controllers/Observers to suspend all Exercise activities. The Lead Exercise Controller will make a determination at that point whether to continue, place a temporary hold on, or terminate the Exercise.
- B. Should, at any time during the course of the conduct of this Exercise, an Exercise Controller or Observer witness an Exercise participant undertake any action which would, in the opinion of the Controller/Observer, place either an individual or component in an unsafe condition, the Controller/Observer is responsible for intervening in the individual's actions and terminating the unsafe activity immediately. Upon termination of the activity, the Controller/Observer is responsible for contacting the Lead Exercise Controller and informing him of the situation. The Lead Exercise Controller will make a determination at that point whether to continue, place a temporary hold on, or terminate the Exercise.
- C. No pressurization of fire hoses, discharging of fire extinguishers, or initiation of any fire suppression systems will be required for the Exercise.
- D. Manipulation of any Plant operating systems (except for the PASS system), valves, breakers, or controls in response to this Exercise are only to be simulated. There is to be no alteration of any Plant operating equipment, systems or circuits during the response to this Exercise.

- E. All repair activities associated with the scenario will be simulated with extreme caution emphasized around operating equipment.
- F. All telephone communications, radio transmissions and public address announcements related to the exercise must begin and end with the statement, "This is an exercise". Should a Controller or Observer witness an Exercise participant not observing this practice, it is the Controller's/Observer's responsibility to remind the individual of the need to follow this procedure.
- G. Any motor vehicle response to this Exercise, whether it be ambulance, fire fighting equipment, police/security vehicles or field monitoring teams, should observe all normal motor vehicle operating laws included posted speed limits, stop lights/signs, one way streets, etc.
- H. Should any on-site security actions be required in response to this Exercise, participants are to cooperate as directed by the Security Force, and security representatives are to be prudent and tolerant in their actions.
- I. Exercise participants are to inject as much realism into the Exercise as is consistent with its safe performance; however, caution must be used to prevent over-reaction.
- J. Care must be taken to assure that any non-participating individuals who may observe Exercise activities or overhear Exercise communications are not misled into believing that an actual emergency exists. Any Exercise Controller or Observer who is aware of an individual or group of individuals in the immediate vicinity who may have become alarmed or confused about the situation, should approach that individual or group and explain the nature of the Exercise and its intent.

2.6 Evaluation and Critique

The Exercise will be evaluated by Controllers/Observers who have expertise in, or qualifications to evaluate the activity in their assigned location. Controllers/Observers will evaluate Exercise performance on the basis of requirements contained in the Emergency Plan Implementing Procedures and Exercise messages. Controllers/Observers will prepare evaluation forms and provide recommendations on corrective actions to the Exercise Coordinator.



After the Exercise is completed, the Exercise Coordinator will conduct a post-Exercise critique. Deficiencies in the Emergency Plan, Implementing Procedures, emergency preparedness training program, facilities, equipment and/or other areas will be identified through the critique process. The deficiencies will be documented by the Exercise Coordinator and corrected by the individuals who have responsibility in the area of the identified deficiency.

Controller and Observer information is contained in Section 5.0.

The schedule for the critiques is shown in Section 6.0.

SECTION 3.0

TRAVEL INFORMATION

3.0

TRAVEL INFORMATION

This section of the Ginna Station Evaluated Exercise Manual provides travel information to those individuals from RG&E, other utilities, local/State/Federal government, and/or other organizations who will participate/observe the Evaluated Exercise.

Permission for Visitors to observe the Evaluated Exercise must be obtained from:

Corporate Emergency Planner
Rochester Gas and Electric Corporation
89 East Avenue
Rochester, NY 14649-0001.

3.1

Directions to Ginna Nuclear Station

Ginna Station is located on the southern shore of Lake Ontario in Wayne County, New York, approximately 24 miles northeast of Rochester, New York (see Figure 3.1).

3.1.1

Air

Several airlines provide passenger service to the Rochester-Monroe County International Airport.

3.1.2

Car

A. Several car rental agencies are available at the Rochester-Monroe County International Airport to provide rental vehicles for ground transportation to Ginna Station.

B. Persons traveling from the Rochester-Monroe County International Airport via auto should take Route 204 East to Route 390 South. Route 390 becomes Route 590 as one proceeds around the Outer Loop. Follow Route 590 North to Route 104 East. Follow Route 104 to Route 350 (Ontario Center Road). Turn left (North) and proceed to Ginna Station. Total distance is approximately 40 miles.

3.2

Directions to the EOF, ESC and ENJC

3.2.1

Air

From the Rochester-Monroe County International Airport take 204 to 390 North, 490 East into the City onto the Inner Loop to the East Avenue ramp to the third signal light. Turn right.

3.2.2 Car

From the Thruway, use Exits 45 or 46 into Rochester and the Inner Loop to the East Avenue ramp as in 3.2.1.

3.2.3 To get to the Emergency Operations Facility (EOF) and Engineering Support Center (ESC), go to the intersection of East Avenue and Chestnut Street (black square on map). EOF and ESC are in 49 East Avenue. The EJNC is at 89 East Avenue (see Figure 3.2).

3.3 Accommodations

Hotel/motel accommodations may be obtained at the following locations:

Depot Hotel, Pittsford	(716) 381-9900
Marriott Hotel, Greece	(716) 225-6880
Red Roof Inn, Henrietta	(716) 359-1100

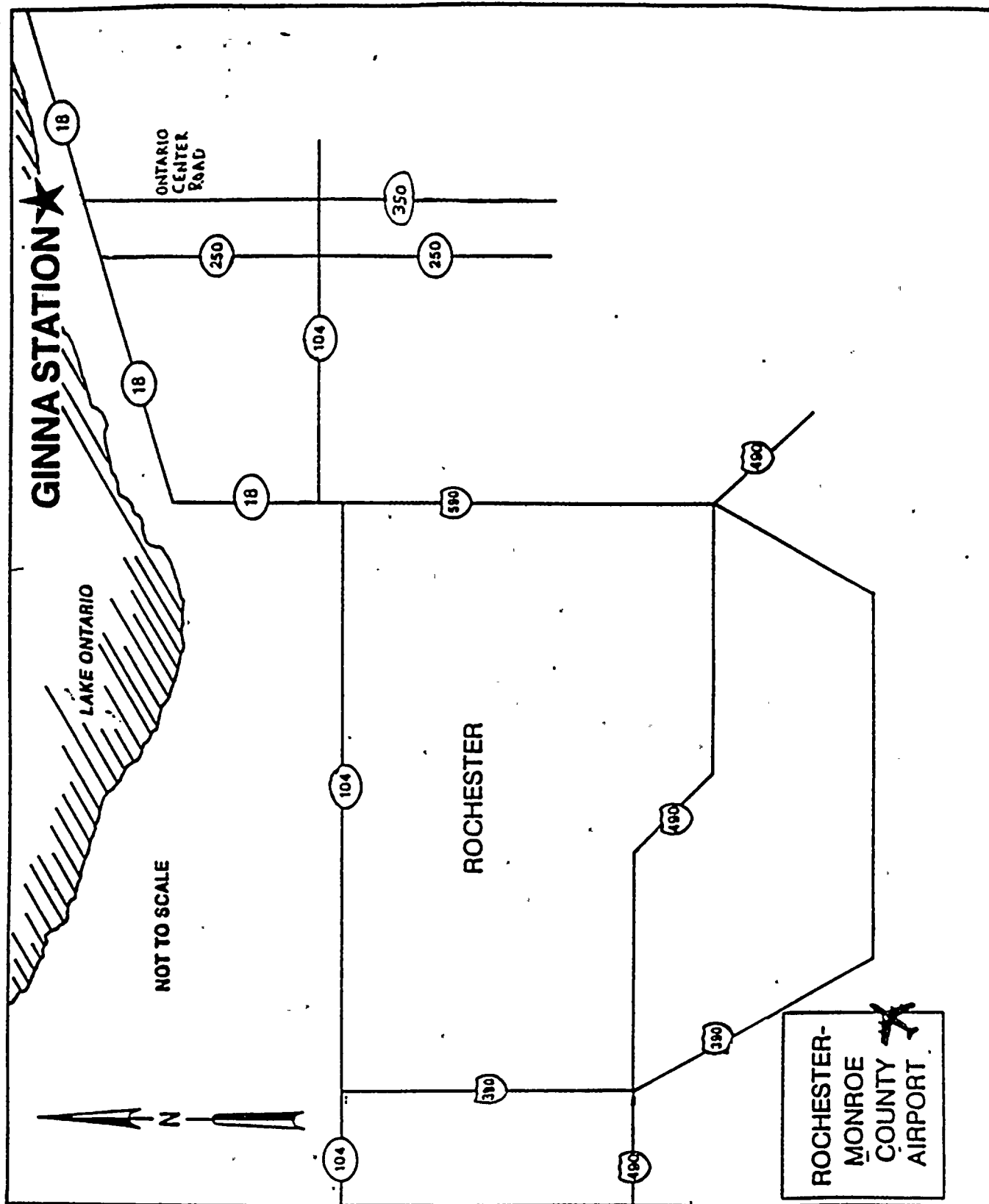


PLANT: **GINNA STATION**

LOCATION: **Ontario, N Y**

LICENSEE: **Rochester Gas & Electric Corp.**

FIGURE 3.1







ROCHESTER AND VICINITY

Legend:

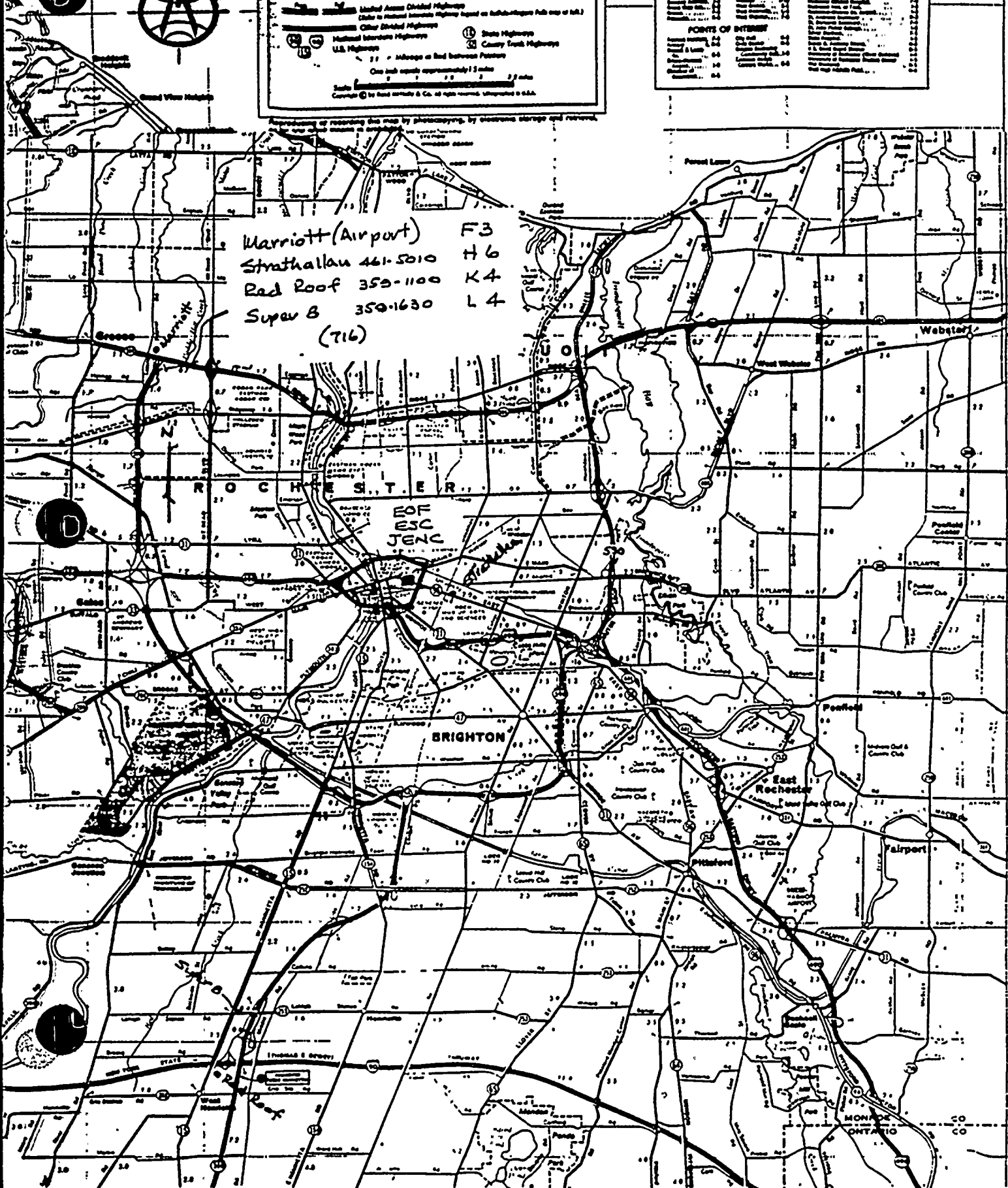
- United States Divided Highway
- Other Divided Highway
- National Interstate Highway
- U.S. Highway
- Mileage at Road between Points
- One inch equals approximately 1.5 miles
- 2.5 miles
- 5 miles

Scale: 1 inch = 1.5 miles

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TOWNS		POINTS OF INTEREST	
Adrian	10	Adrian	10
Albion	11	Albion	11
Amherst	12	Amherst	12
Astoria	13	Astoria	13
Aurora	14	Aurora	14
Babcock	15	Babcock	15
Barnes	16	Barnes	16
Berkshire	17	Berkshire	17
Birmingham	18	Birmingham	18
Bolton	19	Bolton	19
Boston	20	Boston	20
Brighton	21	Brighton	21
Burlington	22	Burlington	22
Canastota	23	Canastota	23
Canton	24	Canton	24
Chenango	25	Chenango	25
Chico	26	Chico	26
Chittenango	27	Chittenango	27
Cohoes	28	Cohoes	28
Cornwall	29	Cornwall	29
Croft	30	Croft	30
Dundee	31	Dundee	31
Durham	32	Durham	32
East Rochester	33	East Rochester	33
East Tonawanda	34	East Tonawanda	34
Ellettsburg	35	Ellettsburg	35
Ellettsville	36	Ellettsville	36
Ellettsville	37	Ellettsville	37
Ellettsville	38	Ellettsville	38
Ellettsville	39	Ellettsville	39
Ellettsville	40	Ellettsville	40
Ellettsville	41	Ellettsville	41
Ellettsville	42	Ellettsville	42
Ellettsville	43	Ellettsville	43
Ellettsville	44	Ellettsville	44
Ellettsville	45	Ellettsville	45
Ellettsville	46	Ellettsville	46
Ellettsville	47	Ellettsville	47
Ellettsville	48	Ellettsville	48
Ellettsville	49	Ellettsville	49
Ellettsville	50	Ellettsville	50

Marriott (Airport) F3
 Strathallan 441-5010 H6
 Red Roof 350-1100 K4
 Super B 350-1630 L4
 (716)





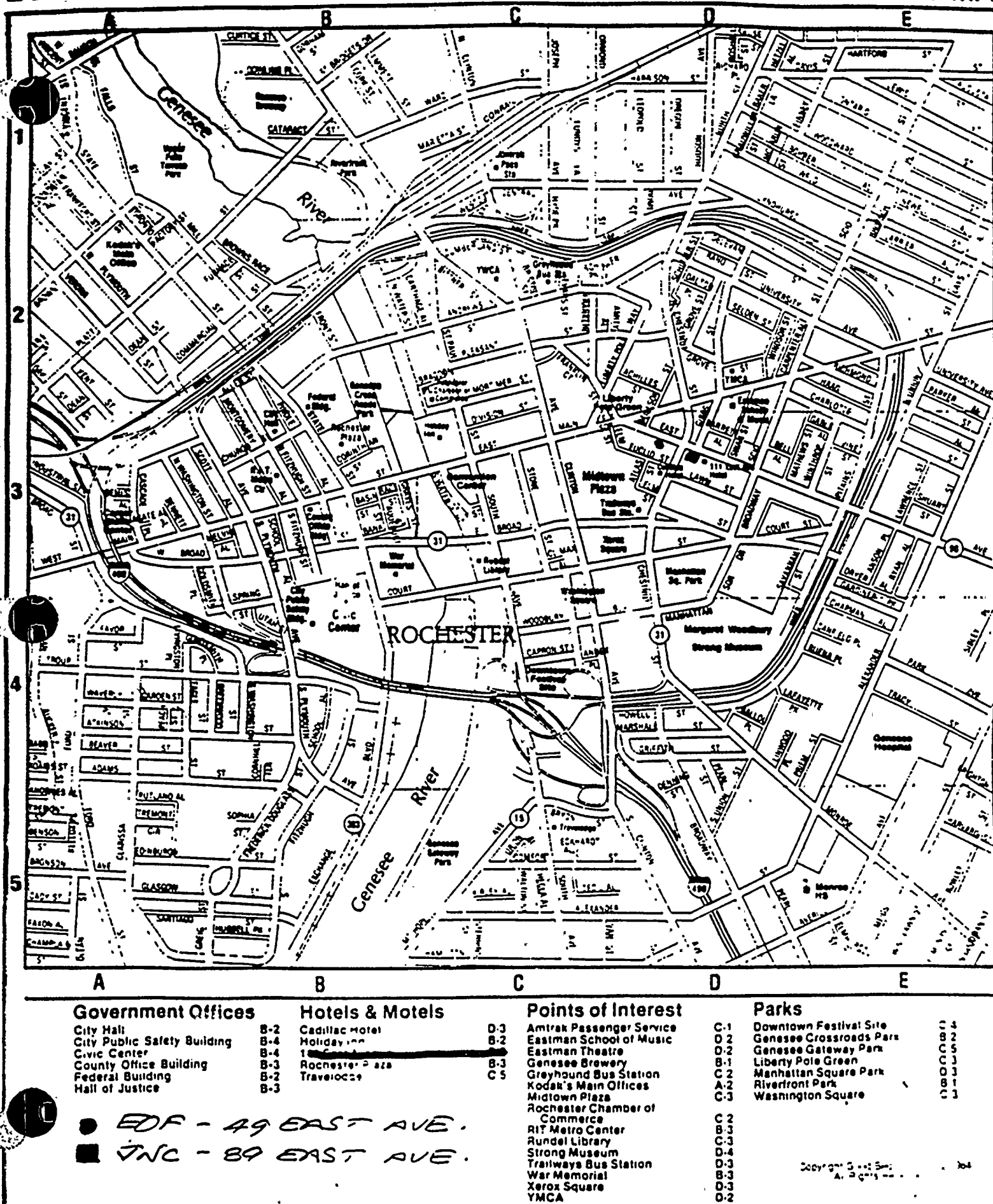


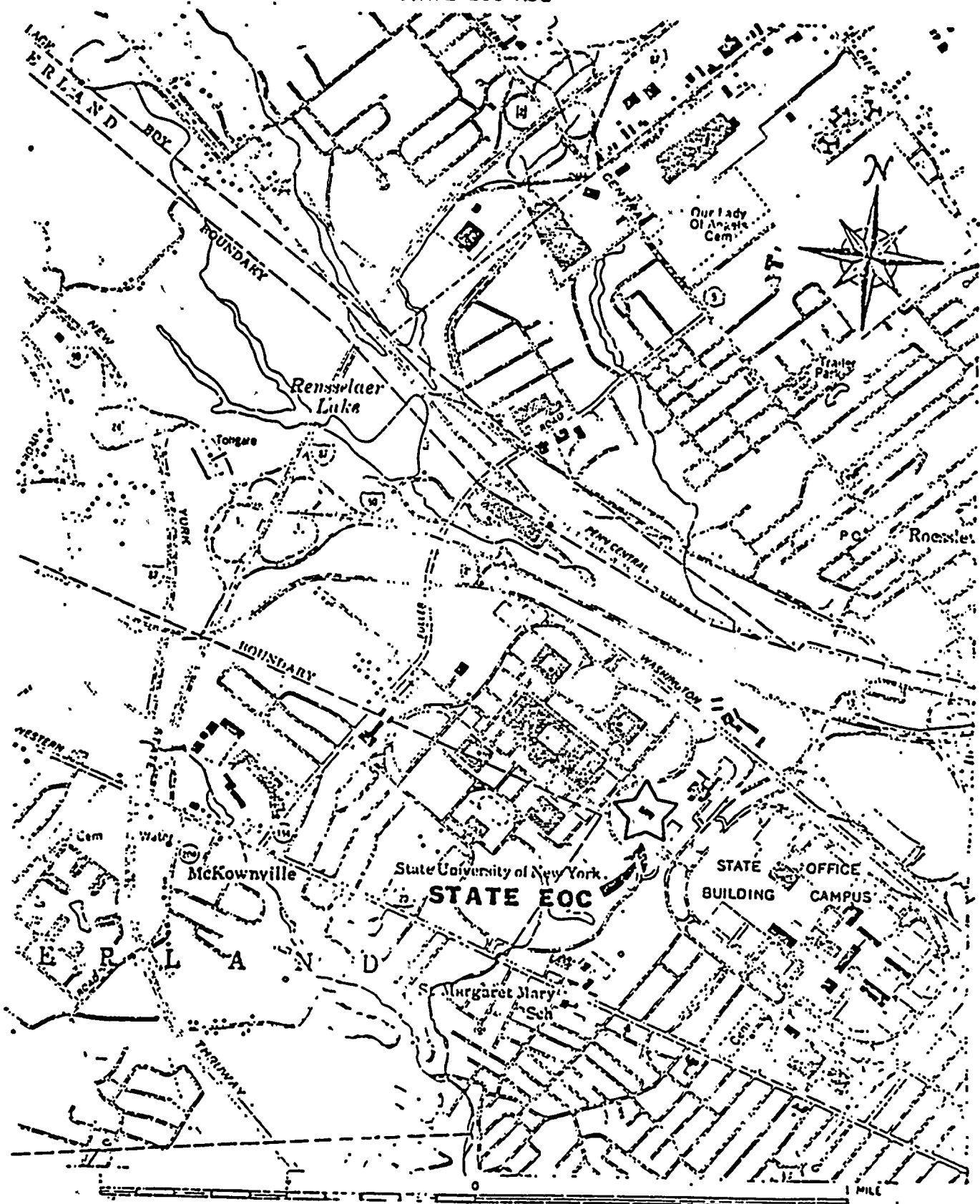
Figure 3.3

Figure 3.4

PART II - SEC. I - Proc. D

ATTACHMENT 1

STATE EOC-ASG



SECTION 4.0

REFERENCES/ABBREVIATIONS - ACRONYMS

4.1 References

- 4.1.1 10 CFR 50.47, 50.54, Appendix E
- 4.1.2 44 CFR 350.9
- 4.1.3 NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 4.1.4 RG&E Nuclear Emergency Response Plan and Implementing Procedures
- 4.1.5 GS Radiation Emergency Plan Implementing Procedures (SC)
- 4.1.6 GS License and Technical Specifications
- 4.1.7 GS Piping and Instrumentation Drawings
- 4.1.8 New York State Radiological Emergency Response Plan
- 4.1.9 Monroe County Emergency Preparedness Plan
- 4.1.10 Wayne County Radiological Response Plan

Abbreviations - Acronyms

A/E	Architect Engineer
ALARA	As Low As Reasonably Achievable
AOV	Air-Operated Valve
ARMS	Area Radiation Monitor(s)
ARV	Atmospheric Relief Valve
ATWS	Anticipated Transient Without Scram
BAST	Boric Acid Storage Tank
CD	Civil Defense
CFR	Code of Federal Regulations
CV	Containment
CR	Control Room
DOE	Department of Energy
DOE-IRAP	DOE Interagency Radiological Assistance Plan
EAL(s)	Emergency Action Level(s)
EBS	Emergency Broadcast System
EC	Emergency Coordinator
EOC	Emergency Operations Center
EOF	Emergency Operations Center
EPA	Environmental Protection Agency
EPC	Emergency Planning Coordinator
EPIP(s)	Emergency Plan Implementation Procedure(s)
EPZ	Emergency Planning Zone
ERF(s)	Emergency Response Facility(s)
ERPA	Emergency Response Planning Area
ESC	Emergency Survey Center
FEMA	Federal Emergency Management Agency
FRERP	Federal Radiological Emergency Response Plan
GS	Ginna Station
HALM	High Alarm
HP	Health Physicist
HPN	Health Physics Network
HVAC	Heating Ventilation Air Conditioning
INHB	Inhibited (Alarm Suppressed)
INPO	Institute of Nuclear Power Operations
JENC	Joint Emergency News Center
KI	Potassium Iodide
LALM	Low Alarm
LCO	Limited Condition of Operation
LOCA	Loss of Coolant Accident
LWR	Light Water Reactor
MOV	Motor-Operated Valve
MPC	Maximum Permissible Concentration
NRC	Nuclear Regulatory Commission
OSC	Operational Support Center
OOS	Out of Service (on-site)
OOS	Out of Sequence (off-site)
PAG(s)	Protective Action Guide(s)
PAR(s)	Protective Action Recommendation(s)
PASS	Post Accident Sampling System
PIO	Public Information Officer
PWR	Pressurized Water Reactor

Abbreviations - Acronyms (Cont'd)

RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RHR	Residual Heat Removal
RG&E	Rochester Gas and Electric Corporation
RST	Radiation Survey Team
SC	Site Contingency
SI	Safety Injection
SPING	High Range Effluent Monitor
TSC	Technical Support Center

SECTION 5.0

CONTROLLER AND EVALUATOR INFORMATION



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5.0

CONTROLLER AND EVALUATOR INSTRUCTIONS

Each Controller and Evaluator should be familiar with the following:

- a. The basic objectives of the Exercise
- b. The assumptions and precautions being taken
- c. The Exercise scenario, including the initiating events and the expected course of actions to be taken.
- d. The various locations that will be involved and the specific items to be observed when at those locations.
- e. The purpose and importance of the evaluation checklist and record sheets.

5.1

Controller Instructions

- 5.1.1 Controllers will position themselves at their assigned locations prior to the activation of the facility for which they have responsibility (see Section 5.3).
- 5.1.2 Communications will be tested to ensure satisfactory communications among Controllers prior to Exercise commencement. All watches and clocks will be synchronized with the Lead Simulator Control Room Exercise Controller as part of the communications testing.
- 5.1.3 All Controllers will comply with instructions from the Lead Controller.
- 5.1.4 Each Controller will have copies of the messages controlling the progress of the Exercise scenario. No message shall be delivered out of sequence or other than as written unless specifically authorized by the Lead Controller.
- 5.1.5 Messages controlling the progress of the scenario are noted with a number. Contingency messages are noted with a number followed by the letter "X" (e.g., 10X).
- 5.1.6 Each on-site Controller will have copies of time-related plant data sheets. Data sheets will be distributed only in the Control Room. Radiological and meteorological data will also be provided at locations where it is normally available.
- 5.1.7 Controllers will not provide information to the Players regarding scenario development or resolution of problem areas encountered in the course of the simulated emergency.



The Exercise participants are expected to obtain information through their own organizations and exercise their own judgement in determining response actions and resolving problems.

5.1.8 Some Players may insist that certain parts of the scenario are unrealistic. The Lead Controllers have the sole authority to clarify any questions regarding scenario content.

5.1.9 Each Controller will take detailed notes regarding the progress of the Exercise and the responses of the Exercise participants at their respective assigned locations. Each Controller will carefully note the arrival and departure time for participants, the times at which major activities or milestones occur and problem areas encountered. The Controllers will retain their notes for the purposes of reconstructing the Exercise chronology and preparing a written evaluation of the Exercise.

5.2 Evaluation Instructions

Each Controller/Evaluator will take detailed notes regarding the progress of the Exercise and the response of the Exercise participants at their respective assigned locations. Each Controller/Evaluator should carefully note the arrival and departure times of participants, the times when major activities or milestones occur and problem areas encountered.

The standards below should be used by the Controller/Evaluator to evaluate assigned areas pertaining to the emergency response. A dual purpose will be served by this rating system. First, the capability of each facility or response area will be evaluated and second, the system will provide a vehicle for guiding and directing improvement. The rating scale is as follows:

Good - Personnel and equipment generally performed better than expected. Any errors or problems were minor and easily correctable.

Satisfactory - Personnel and equipment generally performed as expected. Any errors noted were not severe and could be corrected without undue labor or expense.

Unsatisfactory - Personnel and equipment generally performed below expectations and there were several significant deficiencies noted. The area's ability to carry out its functions was diminished.

NA - Not applicable to the situation or not observed.

Controller/Evaluator comments should consider the demonstration of the following facility and team evaluation elements:

5.2.1 Facility

- o Accurate and timely determination of emergency action levels.
- o Timely activation and staffing for each action level.
- o Familiarity of personnel with appropriate emergency instructions, duties and responsibilities.
- o Timely notification of Rochester Gas and Electric Corporation, local, State and Federal personnel/agencies (information updates performed).
- o Adequacy of internal information systems (i.e., message handling, displays, status boards and maps).
- o Properly controlled documentation and accurate, timely record-keeping.
- o Utilization of correct communications procedures and techniques.
- o Capability of facility supervisors/directors to interface with personnel and coordinate facility activities.
- o Consideration of personnel safety (exposure control).
- o Adequacy of interface between emergency response facilities.
- o Adequacy of equipment and supplies.
- o Timely initiation of on-site protective/corrective actions.
- o Development of protective action recommendations..
- o Radiological surveys and assessment of Plan damage and hazardous conditions performed.
- o Timely request of emergency support services.
- o Coordinated, accurate and orderly dissemination of information to the news media.

5.2.2 Team

- o Timely notification and activation.
- o Adequacy of staffing.
- o Familiarity with appropriate emergency procedures, duties and responsibilities.
- o Availability and utilization of proper equipment.
- o Performance of contamination/decontamination control.
- o Proper interface with emergency support personnel.
- o Utilization of correct communications instructions and techniques.
- o Availability of referenced documents to team members.
- o Utilization of proper radiological control practices (i.e., access control, protective clothing, shielding, stay time).
- o Performance of radiological surveys.
- o Timely and proper performance of damage assessment.
- o Properly maintained survey records and maps.
- o Adequacy of briefing sessions prior to dispatch.
- o Direction and control by team leaders.
- o Timely requests for off-site assistance.
- o Coordination and interface between emergency response team members.
- o Proper interfaces with plant supervisory personnel. Controllers/Observers will record their comments for the purpose of reconstructing the Exercise chronology and preparing a written evaluation of the Exercise.

5.3 Personnel Assignments

Table 5.1 lists the personnel assignments for the on-site Controller organization.

5.4

Evaluation Packages

The following evaluation packages will be provided to the appropriate Controllers/Observers at the pre-Exercise briefing:

- Simulator Control Room
- Technical Support Center
- Operational Support Center
- Emergency Survey Center
- Emergency Operations Facility
- Joint Emergency News Center
- Health Physics Personnel
- Dose Assessment (TSC and EOF)
- Radiation Survey Teams (ESC and EOF)
- Post-Accident Sampling System
- Fire Brigade



TABLE 5.1

The following personnel have been designated to act as Controllers during the 1989 Drill/Exercise activities:

<u>Facility</u>	<u>Controllers</u>
Control Room (Sim.)	F. Maciuska (lead) D. Hudnut
Control Room (Real)	R. Carroll (lead)
<u>TSC:</u>	
Lead	T. Alexander
Technical/Ops. Assessment	B. Zollner
Security	R. Wood/M. Fowler
Dose Assessment	R. Watts
HP/Chemistry	D. Driekorn (LILCO)
Communications	D. Bryant
General	S. Poulton
<u>OSC:</u>	
Lead	D. Hamelink
Fire	D. Biedenbach
Operations	R. Dangler
I&C	T. Joachimczyk
Mechanical	S. Meister
Mechanical/I&C	J. Huff
PASS	M. Klueber
Electrical	R. Kaiser
<u>ESC:</u>	
Lead	K. Hart
Red Team	S. Esterniuk
Blue Team	F. Pavia
Green Team	B. Everhart
Yellow Team	C. Mitrano
Orange Team	TBD
White Team	N. Vaisey
<u>EOF:</u>	
Exercise Coordinator	D. Burke
Lead/Operations	W. Backus
Communications/Data Flow	B. Stanfield
Dose Assessment	G. Vargo (NYPA)
Survey Team	B. Butler
Survey Team	K. Blackall
General	J. Neis
<u>EJNC:</u>	
Lead	M. Power
General	E. Kaish (NIMO)
<u>Engineering Support Center:</u>	
Lead	C. Anderson



TABLE 5.1
Cont'd

The schedule for the 1989 Controller activities is:

<u>Activity</u>	<u>Date</u>	<u>Time</u>
Tabletop 1989 Scenario (leads only)	5/09	8:00-11:00
Training	6/02	8:00-11:00
Drill Briefing	7/18	8:00-11:00
Drill	7/19	+ 8 hours
Critique	7/20	9:00-11:00
Exercise Briefing	8/15	8:00-11:00
Exercise	8/16	+ 8 hours
Critique	8/17	9:00-11:00

GINNA STATION
1989 EMERGENCY EXERCISE

5.5 PUBLIC INFORMATION AND RUMOR CONTROL QUESTIONS FOR THE EVALUATED EXERCISE

A significant aspect of emergency response is to provide the news media and general public with accurate and timely information about the incident. Public perception and reaction are influenced by the information relayed to them. To ensure that the Rochester Gas and Electric Emergency Response Organization is prepared to deal with the media during an incident at the Ginna Station, the exercise provides certain elements that test Public Information activities. During the course of this drill, the Rochester Gas and Electric Joint Emergency News Center (JENC) will be activated and exercised.

Special Exercise Controllers have been selected to test the Rumor Control and News Media Contact Staffs, as well as the JENC. Controllers will act as concerned citizens, employees, and as members of the media, posing questions to the staffs. When acting as members of the media, controllers shall make up a name and a media outlet (print or electronic) not located in the Rochester area. Each time a rumor control message is delivered, a different fictitious name and address will be given. The phone number to be given will be the number from which the exercise controller is calling so as to allow the county Rumor Control person(s) to return calls with appropriate information, if necessary. The exercise controllers should maintain the theme of each rumor control message and answer inquiries of the counties' Rumor Control persons appropriately.

The following pages denote questions that these controllers can use. The questions are grouped by time in relation to the events specified in the Exercise Scenario. The Controllers are allowed to use questions previously utilized. The lead JENC Controller shall verify that the exercise is adhering to schedule, otherwise time adjustments will be necessary. Space is provided for controllers to make notes on the response. Controllers need not use the questions herein; indeed, free play is encouraged. However, controllers must not get carried away with unusual questions.

When calling in questions, always precede questions with "This is an exercise." If you are playing a reporter at the JENC, free play questions based on the information given during the briefing. Additionally, ask questions about RG&E, the state or counties, background on Ginna Station, radiation, state/county/utility interface, protective actions, etc.



Questions and relevant telephone numbers will be distributed at the special Pre-Exercise Controllers Briefing.

Attachment 1 lists Public Information questions generally for RG&E; Attachment 2 lists County Rumor Control Questions; Attachment 3 lists questions for simulated press corps individuals. Attachment 4 lists questions for testing the "Spouse Phone" in the Employee Relations Department.



GINNA STATION
1989 EMERGENCY EXERCISE

***** TO BE REVISED *****

ATTACHMENT 1

PUBLIC INFORMATION QUESTIONS

TIME

- 0830 o This is _____ from Radio Station WHY? We understand that there is an emergency at the Ginna Nuclear Plant. What is happening?
- o My husband's a volunteer fire fighter. He said he's heard that there's a fire at the nuclear plant. I'm worried. What is happening there?
- o This is _____ from the Albany Times Union. I understand that you have a fire at the Ginna Station. What's going on up there?
- o How big is the fire?
- o Where is the fire?
- o Is it out yet?
- o Where are you getting the water from?
- o Is this event similar to the Brown's Ferry fire several years ago?
- o What's the status of the plant?
- o Any radiation exposures?
- o Whom have you notified?
- 0900 o This is _____ from Radio Station WPPJ. I hear you have a fire at the Ginna Station. Would you tell our listeners the story?
- o Was the damage done by the fire similar to the Browns Ferry Fire?
- o Could the fire become as serious as Chernobyl?
- o Has any radiation been released? How do you know?
- o Why didn't you call in the Wayne County Fire Department?
- o Any injuries? Any radioactive contamination?
- o Has the Nuclear Regulatory Commission been notified?
- o Did you declare an emergency?
- o Was the fire near the reactor?
- o Did you evacuate the site? Why not?
- o Are you going to evacuate the public living by the plant?
- o Is the reactor shut down?
- o How much is this going to cost us ratepayers?



- 0930
- o What is happening at the plant?
 - o Any injuries?
 - o Has the NRC been notified?
 - o Have State and local officials been notified?
 - o How high are the radiation levels? Are they dangerous?
 - o Has anyone been over-exposed to radiation?
 - o Is the public in danger?
-
- o What is going on at Ginna?
 - o What are you doing to fix the problem?
 - o Are you evacuating the site?
 - o Is the reactor shutdown?
 - o Are you going to tell all the pregnant women and children to evacuate the area around the plant?
 - o Are the sirens going to all go off?
- 1000
- o I've heard you declared a Site Area Emergency. What's that? What happened?
 - o Why don't you just shut the reactor down?
 - o Where is the electricity coming from?
 - o Has anyone been killed? Any injuries?
-
- o I work at the Nine Mile Point Plant.
 - o What's going on at Ginna?
 - o How is the reactor being cooled?
 - o Is any radiation going into the lake?
 - o Is the NRC on site?
 - o Are the plant safety systems working?
 - o How much radiation is being released?
 - o Where is the wind blowing?
 - o Do you need any help?
- 1030
- o What is the significance of an SITE AREA EMERGENCY?
 - o How bad is that?
 - o Have State and local officials been notified?
 - o What is RG&E doing?
 - o Didn't Ginna have a Site Area Emergency several years ago?
-
- o Is it true that Ginna's had another problem?
 - o What do I do to get more information?
 - o I've got farm animals and I need to know what I should do.
 - o Who do I talk to about protecting them from fallout?



- 1100
- o I have heard that you declared a Site Area Emergency.
 - o Is this true? Why?
 - o Is there is a leak?
 - o Where is it coming from?
 - o Has anyone been killed?
 - o Has the State of New York been informed?
 - o Has the NRC been informed?
 - o How are you going to fix the reactor?
 - o Can't you just shut a valve or something?
- o Is this accident similar to the one you had in 1982?
- o Why didn't we have more warning about this problem before now?
- o When will the NRC take over the plant?
- o In simple terms, what are they doing to stop this accident?
- 1130
- o Didn't Ginna have a tube rupture once before?
 - o Did they leave more metal pieces in the generator again?
 - o What are electric rates going to be?
 - o Where are you going to get power if Ginna is out of service?
 - o Why won't the reactor shut down?
 - o Are the shareholders going to have to pay for this?
 - o Should I sell my RG&E stock?
- o What effect will this have on RG&E stock?
- o What do you think the Securities Exchange Commission will do?
- o I've heard that you are going to use RG&E pension funds to pay for the Ginna accident. Is this true?
- o What was your stock selling for this morning?
- o What is your stock selling for now?
- 1200
- o How much radiation is being released?
 - o How is the radiation filtered? How dangerous is it?
 - o Who is in charge of the emergency?
 - o When will the next press briefing be held?
 - o When will reactor be shutdown?
 - o Where is the radiation heading?
 - o What protective actions have been recommended?
 - o Whom should I call for further information concerning Wayne (Monroe) County?

- o Is the reactor shutdown? How did it happen?
- o Is this plant similar to Chernobyl?
- o What is the reactor building doing now? Is the hole fixed?
- o How much radiation was released off-site?
- o What protective actions are in effect for Wayne (Monroe) County?
- o How many people live in Wayne (Monroe) County?
- o What are you going to do to fix the situation?
- o When is the next press briefing?
- o How many media are at the News Center?
- o What agencies are at the News Center?
- o Where is the wind going?
- o Who's in charge of the emergency?

- 1230 o I'm Frank Jones from Yates County. My neighbor said they expect the radiation to blow all the way down here.
- o What should I do about my grape farm?
 - o I'm in the middle of harvesting the rest of my grapes. Who's going to pay me for my losses?

ATTACHMENT 2

RUMOR CONTROL MESSAGES
FOR MONROE COUNTY

TIME

- 0900 o I hear there's an emergency at the nuclear power plant.
 o How will I know when to evacuate?
- o I'm Roberta Gibson of Radio Station WSFC. Can you tell
 our listeners what's happening at the Ginna Nuclear
 plant?
 o How much damage did the fire do to the plant?
 o What does Monroe County intend to recommend to the
 public?
- o Has any radiation been released yet?
 o How can you be sure?
 o How can I find out when there is a release?
- 1000 o My daughter goes to the Webster Junior High School.
 Where can I go to pick her up?
 o Where can I pick her up once the kids are evacuated?
- o My daughter goes to the Klem Road South Elementary
 School. Where can I go to pick her up?
 o Where can I pick her up once the kids are evacuated?
- o We've lost our emergency information handbook and need
 one right away. Will one of the emergency people you
 have deliver one to us?
- 1100 o If there's an evacuation, I'm going to need help with my
 father who is bedridden due to a heart attack last month.
 Can you help me?
- o I wanna talk to Tom Frey. What's his number? I wanna know
 what to do?
 o I live near the plant and don't want that nuclear elec-
 tricity into my house. Where is my power coming from?
- o What's this I here about an explosion at Ginna? Is that
 what caused the plant to send everybody home? How many
 got hurt and who's gonna run the plant now?
 o (Note: This caller is under the mistaken impression that

Ginna has been abandoned and is now being operated remotely from the County EOC.)

- o My wife is concerned because she doesn't think you county disaster people know what you're doing? I told her not to worry because the County Executive knows how to run the plant because he's practiced it before. Just one thing, why doesn't he turn it off before we get melted down?
- o I don't trust the power plant people; they'd lie to save their own skins.
- o Do you have anybody checking on them?
- o Should I close my business due to the accident at Ginna Station?
- o What are we supposed to do?
- o Who do I call?
- o Who will pay for the lost income?
(The business is the Stagecoach Restaurant on Ridge Road in Webster.)
- o I heard nobody at Ginna knows what the hell is going on! Is it true that Federal people are coming to take over? Are they gonna fix it?
- o I heard the siren but nobody said which way to go. Charlie, my neighbor, says the siren doesn't mean to leave your house; you're supposed to hide in your basement!
- o What do I do?
- 1130 o I hear that nursing homes will evacuate their patients. My mother is in the Maplewood Nursing Home. Where will she be when it's over so I can go make sure she's okay?
- o I'm leaving now. Where can I pick my son up? He goes to State Road Elementary School.
- o I'm evacuating now. Where can I pick up my son? He goes to Plank Road School.



o I am supposed to leave but don't have a place to stay. Which school can I stay at? How do I get there? Who's going to pay my expenses? Wo do I call to get a check for my expenses?

(The caller lives in the Village of Webster).

o Is it true that the milk is now poisoned? What shall I feed my baby?

o We don't have no money or car. How do we get away from the radiation?

o Where do we live and eat?

o I heard the accident at the Ginna Station is getting worse.

o Are we gonna be moved out of our homes after this?

o Why haven't you made the announcement on TV?

o What is the Governor doing?

o Who's in charge of handling this accident anyway?

o What is the status of the fire that occurred this morning?

o What caused the fire?

o I've heard that the reactor has had a meltdown. Is this true?

o Do you have insurance?

o Who will pay for this?

o My homeowner's insurance states that I am not covered for nuclear accidents!

RUMOR CONTROL MESSAGES
FOR WAYNE COUNTY

TIME

- 0900 o I hear there's an emergency at the nuclear power plant.
 o How will I know when to evacuate?
- o I'm Janice Peters of Radio Station WGGC. Can you tell
 our listeners what's happening at the Ginna Nuclear
 plant?
 o How much damage did the fire do to the plant?
 o What does Wayne County intend to recommend to the public?
- o Has any radiation been released yet?
 o How can you be sure?
 o How can I find out when there is a release?
- 1000 o My daughter goes to the Williamson Sr. High School.
 Where can I go to pick her up?
 o Where can I pick her up once the kids are evacuated?
- o My daughter goes to the Freewill Elementary School.
 Where can I go to pick her up?
 o I work in Rochester and have no way to pick her up..
 what should I do?
- o We've lost our emergency information handbook and need
 one right away. Will one of the emergency people you
 have deliver one to us?
- 1100 o If there's an evacuation, I'm going to need help with my
 father who is bedridden due to a heart attack last month.
 Can you help me?



- o I wanna talk to Marvin Decker What's his number? I wanna know what to do?
- o I live near the plant and don't want that nuclear electricity into my house. Where is my power coming from?

- o What's this I hear about a release at Ginna? Is that what caused the plant to send everybody home?
- o How many got hurt and who's gonna run the plant now?
- o (Note: This caller is under the mistaken impression that Ginna has been abandoned and is now being operated remotely from the County EOC.)

- 1130 o My wife is concerned because she doesn't think you county disaster people know what you're doing? I told her not to worry because the County Chairman knows how to run the plant because he's practiced it before. Just one thing, why doesn't he turn it off before we get melted down?

- o I don't trust the power plant people; they'd lie to save their own skins. Do you have anybody checking on them?

- o Should I close my business due to the accident? Who will pay for the lost income?
(The business is the Solo Mio Restaurant on Route 104.)

- o What are we supposed to do? Where do I go?
- o My husband/wife is so worried, he/she wants us to leave town now!
- o What can I tell him/her to calm her down?

- o I heard nobody at Ginna knows what the hell is going on! Is it true that Federal people are coming to take over?
- o Are they gonna fix it?

- o I heard the siren but nobody said which way to go. Charlie, my neighbor, says the siren doesn't mean to go; you're supposed to hide in your basement!
- o Which is it?

- o I'm leaving now? Where can I pick my son up? He goes to the Armstrong Middle School in Ontario Center.

- o I'm evacuating now. Where can I pick up my son? He goes to the Wayne Senior High School.
- o I am supposed to leave but don't have a place to stay. Which school can I stay at? How do I get there? Who's going to pay my expenses? Wo do I call to get a check for my expenses?
- o Is it true that the milk is now poison? What shall I feed my baby?
- o We don't have no money. Is the government going to give us some so we can get away from the radiation?
- o I heard the accident at the Ginna Station hasn't been stopped. When are we gonna be allowed to go home? Why haven't you made the announcement on TV?
- o What is the Governor doing?
- o Has he taken charge of this thing yet?
- o What is the status of the fire that occurred this morning?
- o I've heard that the reactor has a hole in it. Is this true?
- o Do you have insurance? Who will pay for this? My homeowner's insurance states that I am not covered for nuclear accidents!
- o Is there a place where we can buy "radiation suits" to protect against the fallout?
- o Do they sell pills to make you immune against radiation?

ATTACHMENT 3

PRESS CORPS QUESTIONS

- o What fire protection systems are available at Ginna?
- o Is the reactor shutdown? How did it happen?
- o Is this plant similar to Brown's Ferry?
- o How is the steam generator doing now? Is the leak stopped?
- o How much radiation was released off-site?
- o What protective actions are in effect for Wayne (Monroe) County?
- o How many people live in Wayne (Monroe) County?
- o What are you going to do to fix the situation?
- o When is the next press briefing?
- o How many media are at the News Center?
- o What agencies are at the News Center?
- o Where is the wind going?
- o Who's in charge of the emergency?
- o Will the shareholders or ratepayers absorb the cost of this mishap?
- o Is this the same steam generator that had the leak in 1982?
- o RG&E was criticized for its steam generator inspection procedures by the Electric Power Research Institute about 1-2 years ago. Could this have been a result of those problems? How would you know?

ATTACHMENT 4

"SPOUSE PHONE " QUESTIONS

- 0915 o My husband is an electrician at Ginna Station, and I've heard they've had a problem. How serious is it?
o How long is this accident expected to go on?
o Do you know if workers have evacuated the plant?
o Are the workers all okay?
o When will my husband be home?
- 0945 o This is LOIS WATTS. My husband, Rick is at Ginna Station. I think he is in the Technical Center there. I need to get a message to him. We live a mile from the plant and may need to evacuate.
o Do you know for sure if we will have to evacuate?
o If we evacuate, tell Rick that the kids and I will go to the County Reception Center at the Palmyra-Macedon High School.
- 1015 o My wife works in the Ginna Central Records Department. I can't reach her at Ginna.
o My neighbor told me there was a fire with possible casualties. Is that true?
o Has everyone evacuated the plant?
o Were any of the employees hurt?
o How can I reach my wife? She shouldn't be there if there's a radiation release.
- 1045 o My husband works at Ginna and forgot his blood pressure medicine. He needs to take it 3 times a days. He's a pipefitter at the plant.
o Where are the plant workers now... have they left the plant?
o How can I get my husband's pills to him?
- 1115 o My son is a security guard at Ginna.
o What's happening at the plant?
o How bad is it?
o Are the workers in danger?
o Are they keeping the guards at their posts?
o How do I reach my son?



- 1130 o My husband called me this morning and said there was a problem at the plant, and said he'd keep me posted. I haven't heard anything from him for 3 hours.
- o He's on one of the survey teams...are they safe?
- o Will the workers be relieved and allowed to come home today?
-
- 1200 o My husband works at Ginna, and is there now. I've been talking to one of the other wives who says the situation is really worse than they're saying on the news....what's really going on?
- o Do they have the accident under control yet?
- o How badly have the workers been exposed to radiation?

SECTION 6.0

SCHEDULE OF EVENTS

SECTION 6.0

1989 GINNA PLUME EXPOSURE PATHWAY EXERCISE

PROPOSED SCHEDULE OF EVENTS

<u>DATE</u>	<u>TIME</u>	<u>PERSONNEL GROUPS</u>	<u>ACTIVITY</u>
8/14	9-10	ALL (EOF)	PLAYER BRIEFING
	2-3	ALL (TSC)	PLAYER BRIEFING
8/15	8-12	AS ASSIGNED	CONTROLLER BRIEFING
8/16		ALL	1989 EXERCISE
8/17	9-10	OPEN	RGE CRITIQUE W/NRC
8/17	10-11	OPEN	NRC CRITIQUE



SECTION 7.0

EXERCISE SCENARIO



GINNA STATION
1989 EMERGENCY PREPAREDNESS EXERCISE
INITIAL CONDITIONS

1. The R.E. Ginna Station is operating at 100% rated thermal power and has been operating continuously for 150 days.
2. The reactor core is in Cycle 17 near middle of life. RCS boron concentration is 486 ppm.
3. The 1B RHR pump is out for seal failure maintenance. The seal has been replaced and the pump is lined up awaiting testing prior to declaring it operable. An A-52.4 is tracking pump Technical Specification requirements.
4. At 0315 hours this morning, RCS total leak rate increased from 0.25 gpm to 1.5 gpm. Identified leak rate is approximately 0.1 gpm. Containment activity is increasing. The shift is continuing to investigate the cause of the leakage. A containment entry is planned as soon as the paperwork is complete.

GINNA STATION
1989 EMERGENCY PREPAREDNESS EXERCISE
ON-SITE SEQUENCE OF EVENTS

<u>APPROPRIATE TIME</u>	<u>SCENARIO TIME</u>	<u>EVENT DESCRIPTION</u>
0645	-00/15	Initial conditions established.
0700	00/00	Commence Annual Emergency Preparedness Exercise. Containment recirculation fan cooler condensate collectors have required dumping more frequently since 0400 hours this morning because of an increase in primary leakage due to a cracked weld on the "B" RCP discharge pipe.
0715 UNUSUAL EVENT	00/15	An UNUSUAL EVENT should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Reactor Coolant Leakage; Primary System Leakage Greater than Technical Specification Limits (i.e., greater than 1 gpm unidentified for more than 4 hours).
0715	00/15	If UNUSUAL EVENT not declared in approximately 15 minutes, a contingency message should be given out to declare it. An orderly plant shutdown should commence because of. Technical Specification limits (i.e., with primary system leakage in excess of 1 gpm unidentified, reduce the leakage rate to within limits within 4 hours or be in hot shutdown within the next 6 hours and at an RCS temperature less than 350 F within the following 6 hours).
0800	01/00	Fire Zone S-14 (Intermediate Building 253-6 AFWP Oil Reservoir Manual Deluge) alarm is received in the Control Room. The Fire Brigade is activated.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0810

01/10

The Fire Brigade arrives at the scene. Fire Brigade Captain reports to Control Room that the turbine driven auxiliary feed pump oil reservoir is smoking and that they are fighting the fire.

NOTE: Offsite fire fighting assistance is not participating. If assistance is requested, Controllers will intercede to prevent off-site fire department response.

0815
ALERT

01/15

An ALERT should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Fire; Fire Potentially Affecting Safety Systems as Determined by the Shift Supervisor.

If an ALERT is not declared in approximately 15 minutes, a contingency message should be given out to declare it.

0830

01/30

The fire on the turbine driven auxiliary feed pump oil reservoir is extinguished.

The primary system leak rate increases to 2 gpm.

Plant shutdown continues.

0845

01/45

The TSC should be nearing operational readiness of the Emergency Response Organization.

The TSC should send a repair team out to investigate the fire damage to the turbine driven auxiliary feed pump oil reservoir.

The TSC should send a team out to test the 1B RHR pump.

The TSC should be working on the leakage problem in containment.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0900

02/00

Fire Zone Z-22 (Intermediate Building 253-6 AFWP Area) alarm is received in the Control Room. The Fire Brigade is activated again.

0910

02/10

The Fire Brigade arrives at the fire scene. Fire Brigade Captain reports to Control Room that both motor driven auxiliary feedwater pump motors are burning intensely. It is unknown at this time what started the fire.

The Fire Brigade is fighting the motor driven AFWP motor fires.

NOTE:Off-site fire fighting assistance is not participating. If assistance is requested, Controllers intercede to prevent off-site fire department response.

JENC should be activated at this time.

0915
SITE
EMERGENCY

02/15

A SITE EMERGENCY should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Fire; Fire Causing Loss of Safety System Including Redundant Components as Determined by the Shift Supervisor.

If a SITE EMERGENCY is not declared in approximately 15 minutes, a contingency message should be given out to declare it.

0930

02/30

The fire on both the motor driven AFWP motors is extinguished.

The primary system leak rate increases to 2.5 gpm.

Plant shutdown continues.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0945

02/45

TSC should send a repair team out to investigate the fire damage on the motor driven auxiliary feedwater pump motors.

TSC should be considering the problems they will have in the latter stages of the plant shutdown because of the loss of all normal auxiliary feedwater pumps.

Plant shutdown continues.

1000

03/00

The 1B RHR pump test is completed satisfactorily and pump is returned to operable status.

Plant shutdown continues.

1015

03/15

The primary system leak rate increases to approximately 8 gpm. Containment sump "A" pump operating more frequently.

The EOF Emergency Response Organization should have reported to EOF by this time.

1031

03/31

The "B" RCP discharge line severs where it connects to the pump. Containment pressure and temperature increases rapidly. Safety injection and containment spray are activated automatically. A large amount of the fuels gap activity and fuel pellet activity is released due to fuel rod bursting because of core uncover during the initial reactor coolant system blowdown. Containment radiation levels begin to increase.

All safeguards equipment operates normally except the 2 motor driven and the 1 turbine driven auxiliary feedwater pumps. They are out of service because of fires.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1035
GENERAL
EMERGENCY

03/35

A GENERAL EMERGENCY should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Reactor Coolant Leakage; LOCA Identified Inside Containment and Failed Fuel Indicated by Sampling of RCS or Containment Atmosphere, OR EAL: Containment System; Loss of 2 of 3 Fission Barriers and Potential Loss of the Third, 1) Fuel Cladding, 2) Reactor Coolant System, 3) Containment Vessel.

An immediate protective action recommendation will be made in accordance with SC-240, "Protective Action Recommendations".

Operations stabilizing the Plant using Emergency Operating Procedures.

If a GENERAL EMERGENCY is not declared in approximately 15 minutes, a contingency message should be given out to declare it.

1045

03/45

Operations still working on stabilizing the Plant per Emergency Operating Procedures.

The "B" SI pump trips out on overcurrent due to pump internal problems.

1100

04/00

Operations still working on stabilizing the Plant per Emergency Operating Procedures.

TSC should be sending out a repair team to check out the problem with the "B" SI pump.

1115

04/15

The injection phase of the accident is almost over. Operations personnel aligning systems for the recirculation phase of the accident.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1130

04/30

Plant safety systems are re-aligned and operating in the recirculation mode.

1145

04/45

The "B" RHR pump seal fails. The auxiliary building sump hi-level alarm annunciates in the Control Room.

Plant vent monitors show rapid increases in radiation levels. A major release to the environment begins.

Release path: from containment through "B" RHR pump failed seal out the Plant vent.

1200

05/00

The "B" RHR pump trips out on overcurrent due to the failed seal.

1215 --
1315

05/15 --
06/15

TSC should be concluding that the "B" RHR pump seal has failed.

Once the TSC has concluded that the "B" RHR pump seal has failed, they should come up with a method to isolate the pump to stop the leak.

Efforts are underway to track the plume, terminate the release and implement/coordinate PARs.

1315

0615

The release is terminated due to the isolation of the "B" RHR pump.

1330

06/30

Plume tracking continues. Off-site radiation levels near the Ginna Plant have dropped substantially due to the departure of the plume.

Recovery/re-entry discussions commence. These should include preliminary discussions about RG&E recovery and downgrade activities, including preliminary designation of the recovery organization.



APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

~ 1430

07/30

State and Counties may also conduct parallel discussions. Recovery/re-entry interface between the EOF and off-site agencies should be demonstrated as time allows.

After all Exercise objectives have been demonstrated, the Exercise is terminated.

SECTION 8.0

MESSAGES AND PLANT DATA SHEETS

Time: 0645
Message: I.C.

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheet

Message: ***THIS IS AN EXERCISE***

Illuminated alarms in the Control Room include:

Alarm J-25 (Safeguards Equipment Locked Off)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Review initial conditions and Plant status sheets with the Exercise operating crew.
- 2) Review Exercise precautions/limitations and any Exercise activities that are not normal (pre-staging, simulated notifications, extent of participation of off-site agencies, etc.).
- 3) Ensure that the operating crew understands that the Exercise is not to interfere with safe Plant operation.
- 4) Explain that abbreviation "OOS" means "Out of Service", i.e. repairs must be made before the equipment can be used.

Actions Expected:

Participants should review initial conditions and Plant data sheets.



GINNA STATION

1989 EMERGENCY PREPAREDNESS EXERCISE INITIAL CONDITIONS

1. The R.E. Ginna Station is operating at 100% rated thermal power and has been operating continuously for 150 days.
2. The reactor core is in Cycle 17 near middle of life. RCS boron concentration is 486 ppm.
3. The 1B RHR pump is out for seal failure maintenance. The seal has been replaced and the pump is lined up awaiting testing prior to declaring it operable. An A-52.4 is tracking pump Technical Specification requirements.
4. At 0315 hours this morning, RCS total leak rate increased from 0.25 gpm to 1.5 gpm. Identified leak rate is approximately 0.1 gpm. Containment activity is increasing. The shift is continuing to investigate the cause of the leakage. A containment entry is planned as soon as the paperwork is complete.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>7.6×10^{-4}</u> AMPS
N-36	<u>7.6×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>100</u> %
RCS Pressure	<u>2251</u> PSIG
PRZR Level	<u>48</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>761</u> PSIG
1B S/G Pressure	<u>761</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>-0.1</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>2.8</u> INCHES
Loop Hot Leg	<u>602</u> °F
Loop Cold Leg	<u>545</u> °F
B Loop Hot Leg	<u>602</u> °F
B Loop Cold Leg	<u>545</u> °F
RVLIS	<u>100</u> %
*CET	<u>603</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 19.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 56 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 56 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

19.5 = Average of Selected Core Exit Thermocouples

3

Time: 0700
Message: 1

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room Shift Supervisor

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Make the following PA announcement after sounding the "Attention" signal:

"Attention, Attention all personnel. The Ginna Nuclear Station is now starting its 1989 Emergency Preparedness Evaluated Exercise. All Exercise messages must be started and ended with 'This is an Exercise'." (Announce twice).

FOR CONTROLLER USE ONLY

Controller Notes:

Ensure that the PA announcement is made.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>7.6X10⁻⁴</u> AMPS
N-36	<u>7.6X10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>100</u> %
RCS Pressure	<u>2243</u> PSIG
PRZR Level	<u>47.7</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>756</u> PSIG
1B S/G Pressure	<u>756</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cnmt Pressure	<u>-1</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>602</u> °F
A Loop Cold Leg	<u>545</u> °F
B Loop Hot Leg	<u>602</u> °F
B Loop Cold Leg	<u>545</u> °F
RVLIS	<u>100</u> %
*CET	<u>604</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 56 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

CT = Average of Selected Core Exit Thermocouples

Time: 0715
Message: 2

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Indication in the Control Room include:

VCT level decreasing approximately 1% every 8 minutes.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The RCS unidentified leak rate is stable at 1.4 gpm until 0830.

Actions Expected:

- 1) An UNUSUAL EVENT should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Reactor Coolant Leakage; Primary System Leakage Greater than Technical Specification Limits, (Greater than 1 gpm Unidentified for more than 4 Hours).
- 2) Implement SC-201, "UNUSUAL EVENT".
 - a) Make notifications
 - b) Assess and monitor plant conditions. Update offsite agencies at least hourly and whenever there are significant changes in plant status.
- 3) Implement Procedure AP-RCS.1, "Reactor Coolant Leak".
- 4) An orderly plant shutdown should commence because of Technical Specification unidentified leakage limits, (i.e., with primary system leakage in excess of 1 gpm unidentified, reduce the leakage rate to within limits within 4 hours or be in hot shutdown within the next 6 hours and at an RCS temperature less than 350 F within the following 6 hours).



101

MAJOR PARAMETERS

Reactor Shutdown	YES <u>(NO)</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>7.6X10⁻⁴</u> AMPS
N-36	<u>7.6X10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>100</u> %
RCS Pressure	<u>2255</u> PSIG
PRZR Level	<u>49.2</u> %
A RCP	<u>(RUNNING)</u> STOPPED
B RCP	<u>(RUNNING)</u> STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>759</u> PSIG
1B S/G Pressure	<u>759</u> PSIG
Turbine/Generator	<u>(ONLINE)</u> OFFLINE
4 KV Buses	<u>(ENERGIZED)</u> DEENERGIZED
480V Buses	<u>(ENERGIZED)</u> DEENERGIZED
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cmnt Pressure	<u>-0.1</u> PSIG
Cmnt Sump A Level	<u>2.0</u> FEET
Cmnt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>602</u> °F
A Loop Cold Leg	<u>546</u> °F
B Loop Hot Leg	<u>602</u> °F
B Loop Cold Leg	<u>546</u> °F
RVLIS	<u>100</u> %
*CET	<u>604</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. (RUNNING) UNLOADED (STBY) OOS
 B. (RUNNING) UNLOADED (STBY) OOS
 TSC (RUNNING) UNLOADED (STBY) OOS
 Security (RUNNING) UNLOADED (STBY) OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. (INSERV) (STBY) OOS
 1B. (INSERV) (STBY) OOS
 Turb. Driven (INSERV) (STBY) OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. (INSERV) (STBY) OOS
 1B. (INSERV) (STBY) OOS
 1C. (INSERV) (STBY) OOS
 BAST Level = 56 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. (INSERV) (STBY) OOS / RECIRC
 1B. (INSERV) (STBY) OOS / RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. (INSERV) (STBY) OOS
 1B. (INSERV) (STBY) OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. (INSERV) (STBY) OOS
 1B. (INSERV) (STBY) OOS
 1C. (INSERV) (STBY) OOS
 1D. (INSERV) (STBY) OOS
 Post Accident Dampers OPEN / (CLOSED)

Service Water Pumps

1A. (INSERV) (STBY) OOS
 1B. (INSERV) (STBY) OOS
 1C. (INSERV) (STBY) OOS
 1D. (INSERV) (STBY) OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. (INSERV) (STBY) OOS
 1B. (INSERV) (STBY) OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. (INSERV) (STBY) OOS
 1D. (INSERV) (STBY) OOS

TF = Average of Selected Core Exit Thermocouples



Time: 0730
Message: 3.

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) An orderly shutdown is commencing.

Actions Expected:

- 1) The Plant Manager, Operations Manager, and the Duty Engineer should be manning the TSC for communication support to the Control Room.
- 2) The Manager of Public Affairs should be in communications with the TSC for possible media information.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>7.5X10⁻⁴</u> AMPS
N-36	<u>7.5X10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>100</u> %
RCS Pressure	<u>2248</u> PSIG
PRZR Level	<u>48.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>767</u> PSIG
1B S/G Pressure	<u>767</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>-0.1</u> PSIG
Cnmt Sump A Level	<u>2.2</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
D Loop Hot Leg	<u>602</u> °F
D Loop Cold Leg	<u>546</u> °F
B Loop Hot Leg	<u>602</u> °F
B Loop Cold Leg	<u>546</u> °F
RVLIS	<u>100</u> %
*CET	<u>604</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 56 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

D = Average of Selected Core Exit Thermocouples

Time: 0730
Message: 4X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room Shift Supervisor

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

Declare an UNUSUAL EVENT in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Reactor Coolant Leakage; Primary System Leakage Greater than Technical Specification Limits, (i.e., Greater than 1 gpm Unidentified for More than 4 Hours).

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver only if an UNUSUAL EVENT has not yet been declared. Do not deliver if emergency classification discussions are in progress.

Actions Expected:

Time: 0745
Message: 5

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) An orderly shutdown is in progress.

Actions Expected:

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>7.2X10⁻⁴</u> AMPS
N-36	<u>7.2X10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>96</u> %
RCS Pressure	<u>2244</u> PSIG
PRZR Level	<u>47.9</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>53</u> %
1B S/G Level	<u>53</u> %
1A S/G Pressure	<u>774</u> PSIG
1B S/G Pressure	<u>774</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cmnt Pressure	<u>-0.09</u> PSIG
Cmnt Sump A Level	<u>2.4</u> FEET
Cmnt Sump B Level	<u>2.8</u> INCHES
A Loop Hot Leg	<u>600</u> °F
A Loop Cold Leg	<u>546</u> °F
B Loop Hot Leg	<u>600</u> °F
B Loop Cold Leg	<u>546</u> °F
RVLIS	<u>100</u> %
*CET	<u>602</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 56 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

LT = Average of Selected Core Exit Thermocouples



Time: 0800
Message: 6

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:

- o Fire Zone S-14 (Intermediate Building 253-6 AFWP Oil Reservoir Manual Deluge) Alarm

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) This is the beginning of a fire on the turbine driven auxiliary feedwater pump oil reservoir. The fire originated around the AC oil pump area from apparent spontaneous combustion of some oil soaked rags.

Actions Expected:

- 1) Control Room will sound the fire alarm and activate the Fire Brigade.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.9×10^{-4}</u> AMPS
N-36	<u>6.9×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>92</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>46.1</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>775</u> PSIG
1B S/G Pressure	<u>775</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>-0.09</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>2.8</u> INCHES
D Loop Hot Leg	<u>597</u> OF
A Loop Cold Leg	<u>545</u> OF
B Loop Hot Leg	<u>597</u> OF
B Loop Cold Leg	<u>545</u> OF
RVLIS	<u>100</u> %
*CET	<u>599</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 56 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

CET = Average of Selected Core Exit Thermocouples



Time: 0810
Message: 7X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Fire Brigade Captain

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

The turbine driven auxiliary feedwater pump oil reservoir is smoking heavily with some flames visible.

FOR CONTROLLER USE ONLY

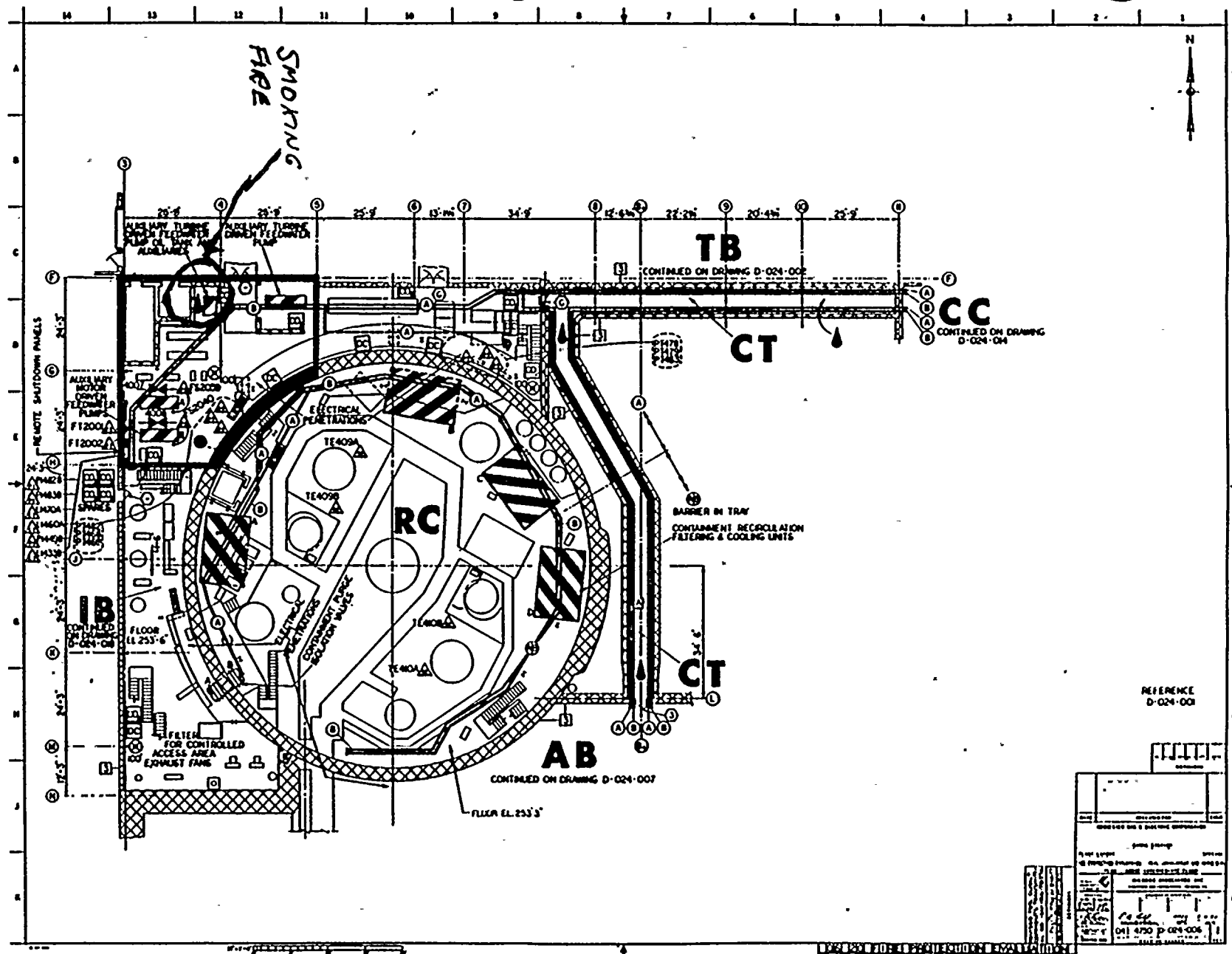
Controller Notes:

- 1) If offsite fire fighting assistance is requested, Controllers will intercede to prevent off-site fire department response.
- 2) See attached map for location of the fire. Provide information from the attached mini-scenario verbally when the appropriate investigations are made by the Fire Brigade (when they arrive).

Actions Expected:

- 1) Fire Brigade Captain to direct proper fire fighting activities on the turbine driven auxiliary feedwater pump oil reservoir fire.
- 2) Fire Brigade Captain should keep Control Room advised of fire fighting activities.







GINNA STATION

1989 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Fire on the Turbine Driven Auxiliary Feedwater Pump Oil Reservoir

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The fire on the turbine driven auxiliary feedwater pump oil reservoir originated around the AC oil pump area from apparent spontaneous combustion of oil soaked rags.

Actions Expected:

- 1) [To Be Determined]



22

Time: 0815
Message: 8

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Fire Brigade fighting the turbine driven auxiliary feedwater pump oil reservoir fire.
- 2) Plant shutdown continues.

Actions Expected:

- 1) An ALERT should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Fire; Fire Potentially Affecting Safety Systems as Determined by the Shift Supervisor.
- 2) Implement SC-202, "ALERT":
 - a) Make notifications.
 - b) Assess and monitor plant conditions. Update off-site agencies at least every 30 minutes and whenever there are significant changes in plant status.
 - c) Activate the TSC, OSC, SC.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4x10⁻⁴</u> AMPS
N-36	<u>6.4x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>85</u> %
RCS Pressure	<u>2235</u> PSIG
PRZR Level	<u>44.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>789</u> PSIG
1B S/G Pressure	<u>789</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cmnt Pressure	<u>-1</u> PSIG
Cmnt Sump A Level	<u>2.0</u> FEET
Cmnt Sump B Level	<u>28</u> INCHES
Loop Hot Leg	<u>594</u> °F
Loop Cold Leg	<u>545</u> °F
B Loop Hot Leg	<u>594</u> °F
B Loop Cold Leg	<u>545</u> °F
RVLIS	<u>100</u> %
*CET	<u>596</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Q = Average of Selected Core Exit Thermocouples

Time: 0830
Message: 9X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Fire Brigade Captain

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The fire on the turbine driven auxiliary feed pump oil reservoir is extinguished.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver when all objectives for the fire have been demonstrated. Deliver before 0845 at the latest.

Actions Expected:

- 1) Fire Brigade Captain notify the Control Room/TSC.
- 2) Re-stow all gear.



Time: 0830
Message: 10X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room Shift Supervisor

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

Declare an ALERT in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Fire; Fire Potentially Affecting Safety Systems as Determined by the Shift Supervisor".

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver only if an ALERT has not yet been declared. Do not deliver if emergency classification discussions are in progress.

Actions Expected:

Time: 0830
Message: 11

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The primary system leak rate has increased to approximately 2 gpm. Operations will probably not notice this increase as the continuing plant shutdown would mask the increase.
- 2) Plant shutdown continues.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>5.9x10⁻⁴</u> AMPS
N-36	<u>5.9x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>79</u> %
RCS Pressure	<u>2248</u> PSIG
PRZR Level	<u>42.2</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>798</u> PSIG
1B S/G Pressure	<u>798</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cmnt Pressure	<u>-0.1</u> PSIG
Cmnt Sump A Level	<u>2.2</u> FEET
Cmnt Sump B Level	<u>4.8</u> INCHES
A Loop Hot Leg	<u>590</u> °F
A Loop Cold Leg	<u>545</u> °F
B Loop Hot Leg	<u>590</u> °F
B Loop Cold Leg	<u>545</u> °F
RVLIS	<u>100</u> %
*CET	<u>592</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples

Time: 0845
Message: 12

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The TSC should be nearing operational readiness of the emergency response organization.
- 2) Plant shutdown continues.

Actions Expected:

- 1) The TSC should send a repair team out to investigate the fire damage to the turbine driven auxiliary feed pump oil reservoir.
- 2) The TSC should send a repair team out to test the 1B RHR pump.
- 3) The TSC should be working on the RCS leakage problem in containment.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>5.4x10⁻⁴</u> AMPS
N-36	<u>5.4x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>72</u> %
RCS Pressure	<u>2240</u> PSIG
PRZR Level	<u>39.2</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>807</u> PSIG
1B S/G Pressure	<u>807</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>-0.1</u> PSIG
Cnmt Sump A Level	<u>2.5</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
Loop Hot Leg	<u>586</u> OF
Loop Cold Leg	<u>544</u> OF
B Loop Hot Leg	<u>586</u> OF
B Loop Cold Leg	<u>544</u> OF
RVLIS	<u>100</u> %
*CET	<u>588</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 6.4 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

⊖ = Average of Selected Core Exit Thermocouples

Time: 0850
Message: 13X

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Turbine Driven Auxiliary Feedwater Pump Repair Team

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information verbally when the appropriate investigations are made by the Turbine Driven Auxiliary Feedwater Pump Repair Team.

Actions Expected:

- 1) The Turbine Driven Auxiliary Feedwater Pump Repair Team should assess the damage to the turbine driven auxiliary feedwater pump caused by the fire and report this to the TSC.



GINNA STATION
1989 EVALUATED EXERCISE
MINI-SCENARIO

Activity: Turbine Driven Auxiliary Feedwater Pump Fire Damage and Expected Repairs.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Fire was on the TDAFWP oil reservoir by the AC oil pump.
- 2) Inspection after fire indicates fire was apparently caused by spontaneous combustion of some oil soaked rags.

Actions Expected:

- 1) The TDAFWP maintenance team will find electrical wiring insulation melted and exposed wiring touching the junction box of the motor. The wiring will require replacement. The motor will meggar okay, but should be disassembled for bearing replacement. Bearing lubricant cannot be assumed satisfactory to perform its function due to heat of fire.

Estimated repair times: Wire - 1 hour
Bearings - 2.5 hours



Time: 0850
Message: 14X

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Repair Team Sent Out to Test 1B RHR Pump

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1). Provide information verbally when the testing of the 1B RHR pump is in progress.

Actions Expected:

- 1) The repair team sent out to test the RHR pump should simulate the testing of the 1B RHR pump by verbally going through the test procedure.



GINNA STATION

1989 EVALUATED EXERCISE

MINI-SCENARIO

Activity: 1B RHR Pump Testing Results.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Use the attached PT-2.2 (Residual Heat Removal System) procedure to walk the 1B RHR Pump Test Repair Team through the test of the 1B RHR pump.

Actions Expected:

- 1) See attached Procedure PT-2.2.



Time: 0900
Message: 15

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room include:

- o Fire Zone Z-22 (Intermediate Building 253-6 AFWP Area) Alarm

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) This is the beginning of a fire on both motor driven auxiliary feedwater pumps due to apparent spontaneous combustion of suspiciously-placed oil rags.

Actions Expected:

- 1) Control Room sounds the fire alarm and activates the Fire Brigade.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>5.2x10⁻⁴</u> AMPS
N-36	<u>5.2x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>16.8</u> %
RCS Pressure	<u>22.46</u> PSIG
PRZR Level	<u>38.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>816</u> PSIG
1B S/G Pressure	<u>816</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/30 VOLTS B/30 VOLTS
Cmnt Pressure	<u>-0.1</u> PSIG
Cmnt Sump A Level	<u>1.8</u> FEET
Cmnt Sump B Level	<u>2.8</u> INCHES
D Loop Hot Leg	<u>584</u> °F
Loop Cold Leg	<u>544</u> °F
B Loop Hot Leg	<u>584</u> °F
B Loop Cold Leg	<u>544</u> °F
RVLIS	<u>100</u> %
*CET	<u>586</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 57 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples



Time: 0910
Message: 16X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Fire Brigade Captain

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

Both motor driven auxiliary feedwater pump motors are burning intensely.

FOR CONTROLLER USE ONLY

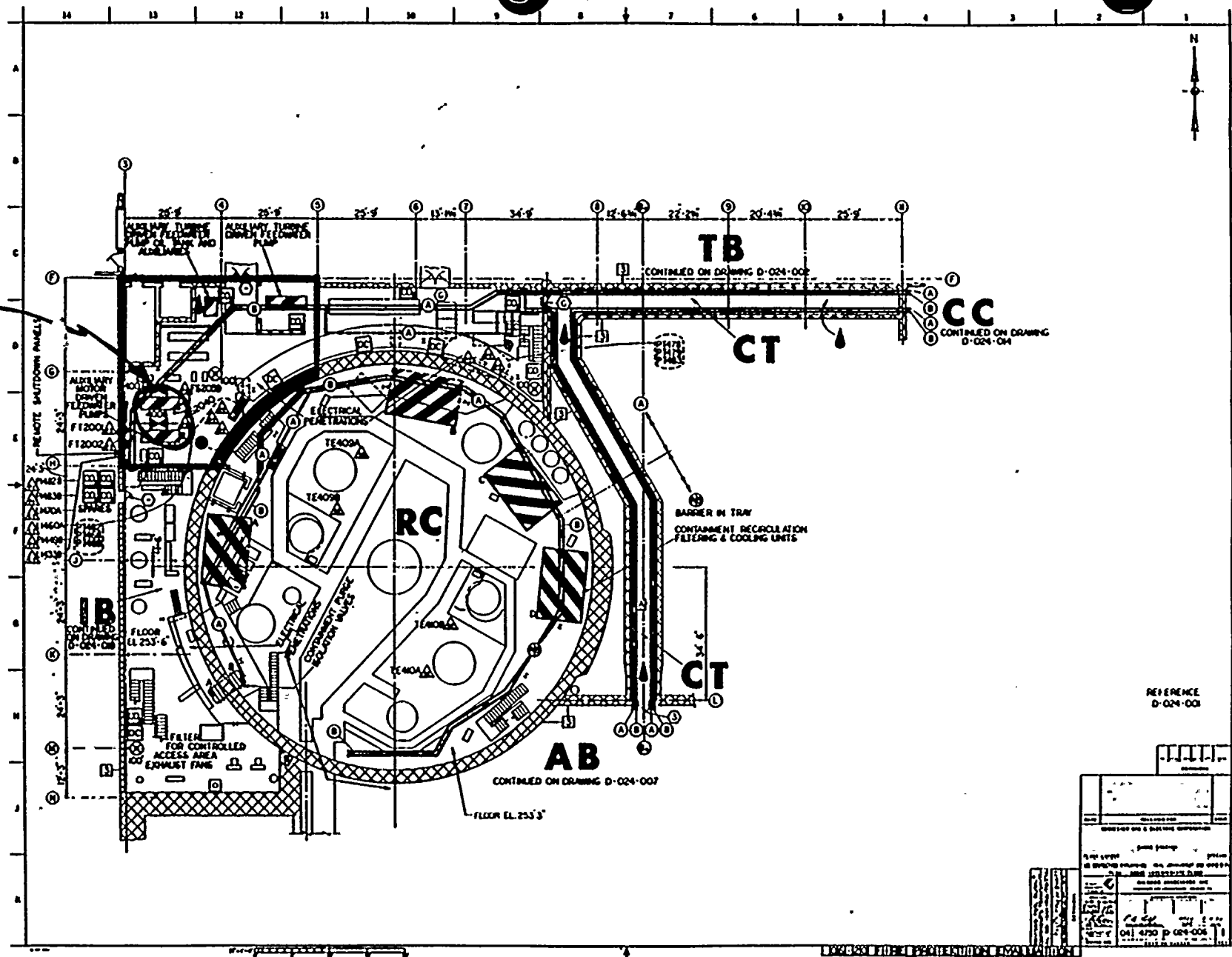
Controller Notes:

- 1) If offsite fire fighting assistance is requested, Controllers will intercede to prevent off-site fire department response.
- 2) See attached map for location of the fire. Provide information from the attached mini-scenario verbally when the appropriate investigations are made by the Fire Brigade (when they arrive).

Actions Expected:

- 1) Fire Brigade Captain to direct proper fire fighting activities on the motor driven auxiliary feedwater pump motor fires.
- 2) Fire Brigade Captain should keep TSC/Control Room advised of fire fighting activities.

Intense
fire



Activity: Fire on the Motor Driven Auxiliary Feedwater Pump Motors.

Controller Notes:

- Actions Expected:**

- Estimated repair times:
- | | |
|------------|-----------|
| Electrical | - 2 hours |
| Mechanical | - 8 hours |
| Testing | - 1 hour |

Time: 0915
Message: 17

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets.

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Fire Brigade fighting motor driven auxiliary feedwater pump motor fires.
- 2) Plant shutdown continues.

Actions Expected:

- 1) A SITE EMERGENCY should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Fire; Fire Causing Loss of Safety System Including Redundant Components as Determined by the Shift Supervisor.
- 2) Implement SC-203, "SITE EMERGENCY".
 - a. Make notifications.
 - b. Assess and monitor plant conditions. Update off-site agencies at least every 30 minutes and whenever there are significant changes in plant status.
 - c. Activate the EOF, JENC, and Engineering Support Center.
- 3) Implement SC-212, "SITE EVACUATION", and SC-213, "Accountability".

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>4.8 x 10⁻⁴</u> AMPS
N-36	<u>4.8 x 10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>63</u> %
RCS Pressure	<u>2275</u> PSIG
PRZR Level	<u>35.8</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>822</u> PSIG
1B S/G Pressure	<u>822</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>-0.1</u> PSIG
Cnmt Sump A Level	<u>2.1</u> FEET
Cnmt Sump B Level	<u>2.8</u> INCHES
D Loop Hot Leg	<u>587</u> °F
Loop Cold Leg	<u>544</u> °F
B Loop Hot Leg	<u>587</u> °F
B Loop Cold Leg	<u>544</u> °F
RVLIS	<u>100</u> %
*CET	<u>583</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

● = Average of Selected Core Exit Thermocouples



Time: 0930
Message: 18X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Fire Brigade Captain

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The fire on the motor driven auxiliary feedwater pump motors is extinguished.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver when all objectives for the fire have been demonstrated. Deliver before 0945 at the latest.

Actions Expected:

- 1) Fire Brigade Captain notify the Control Room/TSC.
- 2) Re-stow all gear.

Time: 0930
Message: 19X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Emergency Coordinator

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

Declare a SITE EMERGENCY in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Fire; Fire Causing Loss of Safety System Including Redundant Components as Determined by the Shift Supervisor.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver only if a SITE EMERGENCY has not yet been declared. Do not deliver if emergency classification discussions are in progress.

Actions Expected:



Time: 0930
Message: 20

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The fire on the motor driven auxiliary feedwater pump motors is extinguished.
- 2) Plant shutdown continues.
- 3) Primary system leak rate increases to 2.5 gpm.

Actions Expected:

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>4.3410</u> AMPS
N-36	<u>4.3410</u> AMPS
Avg. Nuclear Power	<u>57</u> %
RCS Pressure	<u>2275</u> PSIG
PRZR Level	<u>33.5</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>833</u> PSIG
1B S/G Pressure	<u>833</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>130</u> VOLTS B/ <u>130</u> VOLTS
Cnmt Pressure	<u>-0.01</u> PSIG
Cnmt Sump A Level	<u>2.6</u> FEET
Cnmt Sump B Level	<u>2.8</u> INCHES
A Loop Hot Leg	<u>577</u> °F
A Loop Cold Leg	<u>544</u> °F
B Loop Hot Leg	<u>577</u> °F
B Loop Cold Leg	<u>544</u> °F
RVLIS	<u>100</u> %
*CET	<u>579</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples

Time: 0945
Message: 21

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant shutdown continues.

Actions Expected:

- 1) TSC should send a repair team out to investigate the fire damage on the motor driven auxiliary feedwater pump motors.
- 2) TSC should be considering the problems they will have in the latter stages of the plant shutdown because of the loss of all the normal auxiliary feedwater pumps.

MAJOR PARAMETERS

Reactor Shutdown YES/NO
 N-31 0 CPS
 N-32 0 CPS
 N-35 3.8×10^{-4} AMPS
 N-36 3.8×10^{-4} AMPS
 Avg. Nuclear Power 50 %
 RCS Pressure 2272 PSIG
 PRZR Level 34.4 %
 A RCP RUNNING/STOPPED
 B RCP RUNNING/STOPPED
 1A S/G Level 52 %
 1B S/G Level 52 %
 1A S/G Pressure 856 PSIG
 1B S/G Pressure 856 PSIG
 Turbine/Generator ONLINE/OFFLINE
 4 KV Buses ENERGIZED/DEENERGIZED
 480V Buses ENERGIZED/DEENERGIZED
 DC Batteries A/30 VOLTS B/30 VOLTS
 Cnmt Pressure -0.09 PSIG
 Cnmt Sump A Level 2.0 FEET
 Cnmt Sump B Level < 8 INCHES
 A Loop Hot Leg 575 °F
 A Loop Cold Leg 545 °F
 B Loop Hot Leg 575 °F
 B Loop Cold Leg 545 °F
 RVLIS 100 %
 *CET 577 °F
 S/G A Total Aux FW Flow 0 GPM
 S/G B Total Aux FW Flow 0 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS

Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Ⓢ = Average of Selected Core Exit Thermocouples



Time: 1000
Message: 22

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The 1B RHR pump test is completed satisfactorily and the pump is returned to operable status.
- 2) Plant shutdown continues.

Actions Expected:

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>3.6x10⁻⁴</u> AMPS
N-36	<u>3.6x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>48</u> %
RCS Pressure	<u>2271</u> PSIG
PRZR Level	<u>33.1</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>860</u> PSIG
1B S/G Pressure	<u>860</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>130</u> VOLTS B/ <u>130</u> VOLTS
Cmnt Pressure	<u>-0.09</u> PSIG
Cmnt Sump A Level	<u>2.4</u> FEET
Cmnt Sump B Level	<u>2.8</u> INCHES
Loop Hot Leg	<u>574</u> °F
Loop Cold Leg	<u>545</u> °F
B Loop Hot Leg	<u>574</u> °F
B Loop Cold Leg	<u>545</u> °F
RVLIS	<u>100</u> %
*CET	<u>576</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

LT = Average of Selected Core Exit Thermocouples

Time: 1015
Message: 23

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Indications in the Control Room include:

- o Containment Sump A operating approximately every 10 minutes.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The primary system leak rate has increased to approximately 8 gpm. Containment sump A operating more frequently.
- 2) Plant shutdown continues.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	<u>0</u> CPS	
N-32	<u>0</u> CPS	
N-35	<u>3.3</u> $\times 10^{-4}$ AMPS	
N-36	<u>3.3</u> $\times 10^{-4}$ AMPS	
Avg. Nuclear Power	<u>43</u> %	
RCS Pressure	<u>226.9</u> PSIG	
PRZR Level	<u>31.8</u> %	
A RCP	<u>RUNNING</u> /STOPPED	
B RCP	<u>RUNNING</u> /STOPPED	
1A S/G Level	<u>52</u> %	
1B S/G Level	<u>52</u> %	
1A S/G Pressure	<u>870</u> PSIG	
1B S/G Pressure	<u>870</u> PSIG	
Turbine/Generator	<u>ONLINE</u> /OFFLINE	
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED	
480V Buses	<u>ENERGIZED</u> /DEENERGIZED	
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS	
Cnmt Pressure	<u>-0.9</u> PSIG	
Cnmt Sump A Level	<u>1.9</u> FEET	
Cnmt Sump B Level	<u>4.8</u> INCHES	
D Loop Hot Leg	<u>571</u> °F	
D Loop Cold Leg	<u>545</u> °F	
B Loop Hot Leg	<u>571</u> °F	
B Loop Cold Leg	<u>545</u> °F	
RVLIS	<u>100</u> %	
*CET	<u>573</u> °F	
S/G A Total Aux FW Flow	<u>0</u> GPM	
S/G B Total Aux FW Flow	<u>0</u> GPM	

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

L = Average of Selected Core Exit Thermocouples

Time: 1030
Message: 24

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Indications in the Control Room include:

- o Containment Sump "A" operating approximately every 10 minutes.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant shutdown continues.

Actions Expected:

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>2.9x10⁻⁴</u> AMPS
N-36	<u>2.9x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>38</u> %
RCS Pressure	<u>2269</u> PSIG
PRZR Level	<u>28.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52</u> %
1B S/G Level	<u>52</u> %
1A S/G Pressure	<u>876</u> PSIG
1B S/G Pressure	<u>876</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	<u>A130</u> VOLTS <u>B130</u> VOLTS
Cnmt Pressure	<u>-0.05</u> PSIG
Cnmt Sump A Level	<u>12.3</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>568</u> °F
A Loop Cold Leg	<u>545</u> °F
B Loop Hot Leg	<u>568</u> °F
B Loop Cold Leg	<u>545</u> °F
RVLIS	<u>100</u> %
*CET	<u>570</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
 FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 55 %

Low Head S.I. Pumps
 FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 95 %

Containment Spray Pumps
 FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 94 %

Containment Recirc Fans
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 64 PSIG

Component Cooling Water Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5.1 %

Standby Aux. Feedwater Pumps
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

1C = Average of Selected Core Exit Thermocouples



Time: 1031
Message: 25

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms Received in the Control Room:

- o F-10 (Pressurizer Low Pressure 2185 psi)
- o D-20 (Pressurizer Low Pressure Trip 1873 psi)
- o D-19 (Pressurizer Low Pressure SI 1750 psig)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) All safeguards equipment starts except the two motor driven and the turbine driven auxiliary feedwater pumps. They are all OOS because of fires.
- 2) The loss of coolant is an initial ~455,000 gpm leak from a severed "B" RCP discharge pipe where it connects to the pump.

Actions Expected:

- 1) Control Room operators take immediate actions in accordance with E-0 (Reactor Trip or Safety Injection).



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>2.3x10⁻⁶</u> AMPS
N-36	<u>2.3x10⁻⁶</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>470</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>22</u> %
1B S/G Level	<u>21</u> %
1A S/G Pressure	<u>912</u> PSIG
1B S/G Pressure	<u>954</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cmnt Pressure	<u>34</u> PSIG
Cmnt Sump A Level	<u>145</u> FEET
Cmnt Sump B Level	<u>48</u> INCHES
Loop Hot Leg	<u>429</u> °F
Loop Cold Leg	<u>420</u> °F
B Loop Hot Leg	<u>427</u> °F
B Loop Cold Leg	<u>420</u> °F
RVLIS	<u>0</u> %
*CET	<u>1250</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 477 GPM
 FI-925 477 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 41 %

Low Head S.I. Pumps

FI-626 200 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 94 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 93 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples

Time: 1032
Message: 26

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The core uncovers during the blowdown phase of the large break LOCA.
- 2) A large amount of the fuels gap activity and fuel pellet activity is released due to fuel rod bursting because of core uncover during the initial reactor coolant system blowdown. Containment radiation levels increasing.

Actions Expected:

- 1) Control Room operators taking immediate actions in accordance with E-0 (Reactor Trip or Safety Injection).

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>3.1x10⁻⁷</u> AMPS
N-36	<u>3.1x10⁻⁷</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>67</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>20</u> %
1B S/G Level	<u>21</u> %
1A S/G Pressure	<u>863</u> PSIG
1B S/G Pressure	<u>975</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>30</u> PSIG
Cmnt Sump A Level	<u>21</u> FEET
Cmnt Sump B Level	<u>28</u> INCHES
Loop Hot Leg	<u>308</u> °F
Loop Cold Leg	<u>311</u> °F
B Loop Hot Leg	<u>310</u> °F
B Loop Cold Leg	<u>312</u> °F
RVLIS	<u>30</u> %
*CET	<u>315</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 496 GPM
 FI-925 496 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 27 %

Low Head S.I. Pumps

FI-626 2400 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 93 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 92 %

Containment Recirc Fans

1A.. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Cr = Average of Selected Core Exit Thermocouples



Time: 1033
Message: 27

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The core uncovers during the blowdown phase of the large break LOCA.
- 2) A large amount of the fuels gap activity and fuel pellet activity is released due to fuel rod bursting because of core uncover during the initial reactor coolant system blowdown. Containment radiation levels increasing.

Actions Expected:

- 1) Control Room operators taking action in accordance with E-0 (Reactor Trip or Safety Injection), FR-H.1 (Response to Loss of Secondary Heat Sink) and E-1 (Loss of Reactor or Secondary Coolant).

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>8×10^{-8}</u> AMPS
N-36	<u>8×10^{-8}</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>3.5</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>20</u> %
1B S/G Level	<u>21</u> %
1A S/G Pressure	<u>833</u> PSIG
1B S/G Pressure	<u>986</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cnmt Pressure	<u>27</u> PSIG
Cnmt Sump A Level	<u>24</u> FEET
Cnmt Sump B Level	<u>28</u> INCHES
A Loop Hot Leg	<u>276</u> °F
B Loop Cold Leg	<u>276</u> °F
B Loop Hot Leg	<u>279</u> °F
B Loop Cold Leg	<u>276</u> °F
RVLIS	<u>42</u> %
*CET	<u>302</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 504 GPM
 FI-925 504 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2400 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 91 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 90 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

[Symbol] = Average of Selected Core Exit Thermocouples



Time: 1034
Message: 28

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The core uncovers during the blowdown phase of the large break LOCA.
- 2) A large amount of the fuels gap activity and fuel pellet activity is released due to fuel rod bursting because of core uncover during the initial reactor coolant system blowdown. Containment radiation levels increasing.

Actions Expected:

- 1) Control Room operators taking action in accordance with E-0 (Reactor Trip or Safety Injection), FR-H.1 (Response to Loss of Secondary Heat Sink) and E-1 (Loss of Reactor or Secondary Coolant).

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>2.6x10⁻⁸</u> AMPS
N-36	<u>2.6x10⁻⁸</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>44</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>19</u> %
1B S/G Level	<u>21</u> %
1A S/G Pressure	<u>824</u> PSIG
1B S/G Pressure	<u>991</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>24</u> PSIG
Cmnt Sump A Level	<u>28</u> FEET
Cmnt Sump B Level	<u><8</u> INCHES
Loop Hot Leg	<u>280</u> °F
Loop Cold Leg	<u>279</u> °F
B Loop Hot Leg	<u>280</u> °F
B Loop Cold Leg	<u>279</u> °F
RVLIS	<u>53</u> %
*CET	<u>283</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS

Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 502 GPM
 FI-925 502 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2400 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 89 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 27 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

LT = Average of Selected Core Exit Thermocouples



Time: 1035
Message: 29

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Operations stabilizing the Plant using Emergency Operating Procedures.

Actions Expected:

- 1) A "GENERAL EMERGENCY" should be declared in accordance with SC-100, "Ginna Station Event Evaluation and Classification", EAL: Reactor Coolant Leakage; LOCA Identified Inside Containment and Failed Fuel Indicated by Sampling of RCS or Containment Atmosphere, OR EAL: Containment System; Loss of 2 of 3 Fission Barriers and Potential Loss of the Third, 1) Fuel Cladding, 2) Reactor Coolant System, 3) Containment Vessel.
- 2) Immediate protective action recommendations should be made in accordance with SC-240, "Protective Action Recommendations".



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>9.2×10^{-9}</u> AMPS
N-36	<u>9.0×10^{-9}</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>22</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>19</u> %
1B S/G Level	<u>22</u> %
1A S/G Pressure	<u>809</u> PSIG
1B S/G Pressure	<u>994</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>21</u> PSIG
Cmnt Sump A Level	<u>31</u> FEET
Cmnt Sump B Level	<u>48</u> INCHES
Loop Hot Leg	<u>218</u> °F
Loop Cold Leg	<u>247</u> °F
B Loop Hot Leg	<u>208</u> °F
B Loop Cold Leg	<u>247</u> °F
RVLIS	<u>59</u> %
*CET	<u>250</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 504 GPM
 FI-925 504 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 87 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 87 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

CT = Average of Selected Core Exit Thermocouples



Time: 1040
Message: 30

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Operations stabilizing the Plant using Emergency Operating Procedures.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown YES/NO
 N-31 0 CPS
 N-32 0 CPS
 N-35 1.2X10⁻¹⁰ AMPS
 N-36 1.2X10⁻¹⁰ AMPS
 Avg. Nuclear Power 0 %
 RCS Pressure 31 PSIG
 PRZR Level 0 %
 A RCP RUNNING/STOPPED
 B RCP RUNNING/STOPPED
 1A S/G Level 17 %
 1B S/G Level 21 %
 1A S/G Pressure 738 PSIG
 1B S/G Pressure 976 PSIG
 Turbine/Generator ONLINE/OFFLINE
 4 KV Buses ENERGIZED/DEENERGIZED
 480V Buses ENERGIZED/DEENERGIZED
 DC Batteries A/30 VOLTS B/30 VOLTS
 Cnmt Pressure 12 PSIG
 Cnmt Sump A Level 31.2 FEET
 Cnmt Sump B Level <113 INCHES
 Loop Hot Leg 285 °F
 Loop Cold Leg 283 °F
 B Loop Hot Leg 287 °F
 B Loop Cold Leg 284 °F
 RVLIS 70 %
 *CET 282 °F
 S/G A Total Aux FW Flow 0 GPM
 S/G B Total Aux FW Flow 0 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 510 GPM
 FI-925 510 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 76 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 83 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples



Time: 1045
Message: 31

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Indications in the Control Room include:

- o The 1B SI pump trips out

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Operations still stabilizing Plant using Emergency Operating Procedures.
- 2) If Control Room personnel try to restart the 1B SI pump it will not restart.

Actions Expected:

- 1) Control Room personnel should inform TSC that the 1B SI pump has tripped out and will not restart.



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MAJOR PARAMETERS

Reactor Shutdown	(YES/NO)
N-31	<u>1260</u> CPS
N-32	<u>1251</u> CPS
N-35	<u>1.3x10⁻⁶</u> AMPS
N-36	<u>1.3x10⁻⁶</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>18</u> PSIG
PRZR Level	<u>0</u> %
A RCP	RUNNING/ <u>STOPPED</u>
B RCP	RUNNING/ <u>STOPPED</u>
1A S/G Level	<u>16</u> %
1B S/G Level	<u>21</u> %
1A S/G Pressure	<u>683</u> PSIG
1B S/G Pressure	<u>941</u> PSIG
Turbine/Generator	ONLINE/ <u>OFFLINE</u>
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>5</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>264</u> °F
Loop Cold Leg	<u>233</u> °F
B Loop Hot Leg	<u>264</u> °F
B Loop Cold Leg	<u>264</u> °F
RVLIS	<u>91</u> %
*CET	<u>271</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 499 GPM
 FI-925 299 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 55 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 76 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

1 = Average of Selected Core Exit Thermocouples



Time: 1100
Message: 32

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Operations still stabilizing the Plant per Emergency Operating Procedures.

Actions Expected:

- 1) TSC should be sending out a repair team to check out the problem with the 1B SI pump.
- 2) TSC and Control Room operators should be deciding how they will add water to the steam generators as needed.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>62</u> CPS
N-32	<u>60</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>5</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>11</u> %
1B S/G Level	<u>18</u> %
1A S/G Pressure	<u>498</u> PSIG
1B S/G Pressure	<u>805</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cnmt Pressure	<u>2</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>268</u> °F
A Loop Cold Leg	<u>268</u> °F
B Loop Hot Leg	<u>268</u> °F
B Loop Cold Leg	<u>268</u> °F
RVLIS	<u>100</u> %
*CET	<u>270</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 513 GPM
 FI-925 308 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 30 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 55 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

17 = Average of Selected Core Exit Thermocouples



Time: 1100
Message: 33X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: 1B SI Pump Repair Team

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information verbally when the appropriate investigations are made by the 1B SI Pump Repair Team.

Actions Expected:

- 1) The 1B SI Pump Repair Team should inspect the 1B SI pump and make an assessment of the problem and any necessary repairs.

GINNA STATION

1989 EVALUATED EXERCISE

MINI-SCENARIO

Activity: 1B SI Pump Problem Inspection and Assessment.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The 1B Safety Injection pump shaft has seized due to accumulated boron buildup. Pump will require disassembly, cleaning, inspection and re-assembly.

Estimated time: 24 hours ±

Actions Expected:



Time: 1115
Message: 34

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The injection phase of the accident is almost done.

Actions Expected:

- 1) Operations personnel should be aligning systems for the recirculation phase.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>57</u> CPS
N-32	<u>60</u> CPS
N-35	<u>1X10⁻¹¹</u> AMPS
N-36	<u>1X10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>6</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>7</u> %
1B S/G Level	<u>13</u> %
1A S/G Pressure	<u>384</u> PSIG
1B S/G Pressure	<u>649</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A130 VOLTS B130 VOLTS</u>
Cnmt Pressure	<u>2</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>223</u> °F
Loop Cold Leg	<u>223</u> °F
B Loop Hot Leg	<u>222</u> °F
B Loop Cold Leg	<u>222</u> °F
RVLIS	<u>100</u> %
*CET	<u>225</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 517 GPM
 FI-925 309 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 20 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

1 = Average of Selected Core Exit Thermocouples



Time: 1130
Message: 35

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant safety systems are re-aligned and operating in the recirculation mode.

Actions Expected:

- 1) Operations personnel continuing the Emergency Procedures.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>63</u> CPS
N-32	<u>71</u> CPS
N-35	<u>1410</u> AMPS
N-36	<u>1410</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>32</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>4</u> %
1B S/G Level	<u>11</u> %
1A S/G Pressure	<u>290</u> PSIG
1B S/G Pressure	<u>511</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A130 VOLTS B130 VOLTS</u>
Cnmt Pressure	<u>3</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>273</u> °F
A Loop Cold Leg	<u>272</u> °F
B Loop Hot Leg	<u>270</u> °F
B Loop Cold Leg	<u>272</u> °F
RVLIS	<u>100</u> %
*CET	<u>270</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 3000 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

CET = Average of Selected Core Exit Thermocouples

Time: 1145
Message: 36

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:

- o L-10 (Aux Bldg. Sump Pump Auto Start)
- o L-9 (Aux Bldg. Sump Hi Level)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The 1B RHR pump shaft seal has failed creating approximately a 50 gpm leak into the Auxiliary Building sub-basement.
- 2) Plant vent monitors show rapid increases in radiation levels. A major release to the environment begins.
- 3) Release path: from Containment through 1B RHR pump failed seal out the Plant vent.

Actions Expected:

- 1) TSC and Control Room operators should try to locate the leak in the Auxiliary Building.



6504

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>62</u> CPS
N-32	<u>68</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>1</u> PSIG
Cmnt Sump A Level	<u>31.2</u> FEET
Cmnt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>214</u> °F
A Loop Cold Leg	<u>213</u> °F
B Loop Hot Leg	<u>213</u> °F
B Loop Cold Leg	<u>213</u> °F
RVLIS	<u>100</u> %
*CET	<u>251</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 2800 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

Time: 1200
Message: 37

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:
o J-9 (Safeguard Breaker Trip)

Indications in the Control Room include:
o 1B RHR pump switch indicator lights indicate green and white

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The 1B RHR pump trips out on overcurrent due to the failed seal.
- 2) If Control Room operators try to restart the 1B RHR pump, it will not restart.

Actions Expected:

- 1) Control Room operators may try to restart the 1B RHR pump.
- 2) TSC should be working on leak in the Auxiliary Building.
- 3) Efforts should be underway to track the plume, terminate the release and implement/coordinate PARs.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> /NO
N-31	<u>6</u> CPS
N-32	<u>6.5</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	RUNNING/ <u>STOPPED</u>
B RCP	RUNNING/ <u>STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE</u> / <u>OFFLINE</u>
4 KV Buses	<u>ENERGIZED</u> / <u>DEENERGIZED</u>
480V Buses	<u>ENERGIZED</u> / <u>DEENERGIZED</u>
DC Batteries	<u>A130</u> VOLTS <u>B130</u> VOLTS
Cnmt Pressure	<u>1</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>212</u> °F
Loop Cold Leg	<u>211</u> °F
B Loop Hot Leg	<u>212</u> °F
B Loop Cold Leg	<u>211</u> °F
RVLIS	<u>100</u> %
*CET	<u>241</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 20.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples



Time: 1200
Message: 38X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: TSC Personnel Working on 1B RHR Pump Leak Isolation

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information verbally when appropriate isolation per attached mini-scenario is discussed.
- 2) Isolation of 1B RHR pump cannot occur until 1315.

Actions Expected:

- 1) TSC should be working on the isolation of the 1B RHR pump.

GINNA STATION

1989 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Isolation of 1B RHR Pump

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The shaft seal has failed on the 1B RHR pump creating an approximately 50 gpm leak to the Auxiliary Building sump. Sump pumps are working normally.
- 2) The leak can be stopped by closing 850B as the discharge check 710B will hold.
- 3) The leak isolation cannot occur until 1315.

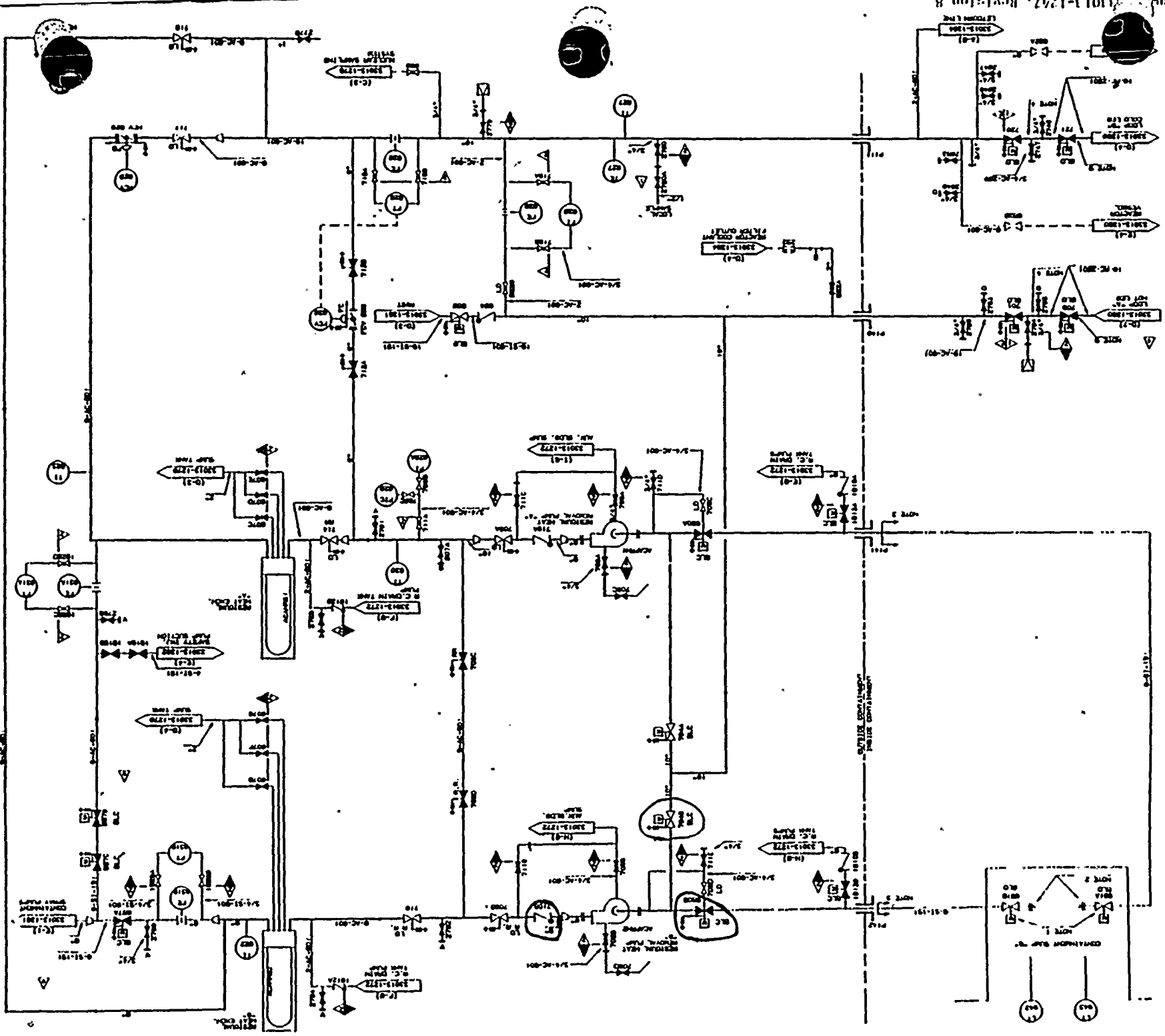
Actions Expected:

- 1) TSC will request the following valves be closed to isolate the 1B RHR pump (see attached RHR print):
 - a) MOV-704B (should be closed).
 - b) MOV-850B (should be open)
- 2) If the TSC decides to close MOV-850B, controllers must not allow the valve to be closed to isolate the leak until 1315. In this case, MOV-850B fails to close upon MCB switch activation. Problem is caused by the switch wafer stack being loose. Switch may either be repaired or replaced.

(This is a "delaying tactic" if scenarios are moving ahead of schedule. This switch problem is to be utilized to delay the 1B RHR pump leak isolation, if necessary.)



- NOTES:
1. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 2. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 3. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 4. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 5. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 6. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 7. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 8. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 9. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:
 10. REPAIRS TO BE MADE TO THE FOLLOWING EQUIPMENT:



Time: 1215
Message: 39

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:

- o L-9 (Auxiliary Building Sump Hi Level). clearing and coming back in intermittently.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) TSC should be concluding that the 1B RHR pump seal has failed.
- 2) Release to continue until 1315 hours.

Actions Expected:

- 1) TSC and Control Room should be working on isolating the 1B RHR pump to terminate the offsite release.
- 2) Efforts should be under way to track the plume and implement/coordinate PARs.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> /NO
N-31	<u>62</u> CPS
N-32	<u>64</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	<u>A130</u> VOLTS <u>B130</u> VOLTS
Cmnt Pressure	<u>1</u> PSIG
Cmnt Sump A Level	<u>31.2</u> FEET
Cmnt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>209</u> °F
Loop Cold Leg	<u>209</u> °F
B Loop Hot Leg	<u>209</u> °F
B Loop Cold Leg	<u>209</u> °F
RVLIS	<u>100</u> %
*CET	<u>230</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples

Time: 1230
Message: 40

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:

- o L-9 (Auxiliary Building Sump Hi Level) clearing and coming back in intermittently.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Release to continue until 1315 hours.

Actions Expected:

- 1) TSC and Control Room should be working on isolating the 1B RHR pump to terminate the off-site release.
- 2) Efforts should be underway to track the plume and implement/coordinate PARs.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>61</u> CPS
N-32	<u>63</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>1</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>207</u> °F
A Loop Cold Leg	<u>207</u> °F
B Loop Hot Leg	<u>207</u> °F
B Loop Cold Leg	<u>207</u> °F
RVLIS	<u>100</u> %
*CET	<u>220</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

Time: 1245
Message: 41

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:

- o L-9 (Auxiliary Building Sump Hi Level) clearing and coming back in intermittently.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Release to continue until 1315 hours.

Actions Expected:

- 1) TSC and Control Room should be working on isolating the 1B RHR pump to terminate the offsite release.
- 2) Efforts should be underway to track the plume and implement/coordinate PARs.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>63</u> CPS
N-35	<u>1X/0"</u> AMPS
N-36	<u>1X/0"</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A130 VOLTS B130 VOLTS</u>
Cnmt Pressure	<u>1</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>205</u> °F
Loop Cold Leg	<u>205</u> °F
B Loop Hot Leg	<u>205</u> °F
B Loop Cold Leg	<u>205</u> °F
RVLIS	<u>100</u> %
*CET	<u>210</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

T = Average of Selected Core Exit Thermocouples

Time: 1300
Message: 42

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

Alarms received in the Control Room:

- o L-9 (Auxiliary Building Sump Hi Level) clearing and coming back in intermittently.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Release to continue until 1315 hours.

Actions Expected:

- 1) TSC and Control Room should be working on isolating the 1B RHR pump to terminate the off-site release.
- 2) Efforts should be underway to track the plume and implement/coordinate PARS.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>63</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>1</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>203</u> °F
Loop Cold Leg	<u>203</u> °F
B Loop Hot Leg	<u>203</u> °F
B Loop Cold Leg	<u>203</u> °F
RVLIS	<u>100</u> %
*CET	<u>209</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

LT = Average of Selected Core Exit Thermocouples

Time: 1315
Message: 43X

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: TSC Personnel Working on 1B RHR Pump Leak Isolation

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The 1B RHR pump is isolated with the closing of MOV-850B. This isolates the leak into the Auxiliary Building.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The leak in the Auxiliary Building must be considered isolated at 1315 hours whether accomplished by players or not. The remainder of the scenario assumes isolation at 1315.

Actions Expected:

- 1) TSC should inform other emergency centers that the leak is isolated.



Time: 1315
Message: 44

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Release into the Auxiliary Building is isolated due to the isolation of the 1B RHR pump. Releases of noble gas, radioiodine and particulates through the Plant Vent will now decrease significantly.

Actions Expected:

- 1) Efforts should be underway to track the plume and implement/coordinate PARs.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> /NO	
N-31	<u>61</u>	CPS
N-32	<u>64</u>	CPS
N-35	<u>1x10⁻¹¹</u>	AMPS
N-36	<u>1x10⁻¹¹</u>	AMPS
Avg. Nuclear Power	<u>0</u>	%
RCS Pressure	<u>0</u>	PSIG
PRZR Level	<u>0</u>	%
A RCP	RUNNING/ <u>STOPPED</u>	
B RCP	RUNNING/ <u>STOPPED</u>	
1A S/G Level	<u>0</u>	%
1B S/G Level	<u>0</u>	%
1A S/G Pressure	<u>0</u>	PSIG
1B S/G Pressure	<u>0</u>	PSIG
Turbine/Generator	ONLINE/ <u>OFFLINE</u>	
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED	
480V Buses	<u>ENERGIZED</u> /DEENERGIZED	
DC Batteries	A/ <u>30</u> VOLTS	B/ <u>30</u> VOLTS
Cmnt Pressure	<u>1</u>	PSIG
Cmnt Sump A Level	<u>31.2</u>	FEET
Cmnt Sump B Level	<u><180</u>	INCHES
Loop Hot Leg	<u>201</u>	°F
Loop Cold Leg	<u>201</u>	°F
B Loop Hot Leg	<u>201</u>	°F
B Loop Cold Leg	<u>201</u>	°F
RVLIS	<u>100</u>	%
*CET	<u>209</u>	°F
S/G A Total Aux FW Flow	<u>0</u>	GPM
S/G B Total Aux FW Flow	<u>0</u>	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

CT = Average of Selected Core Exit Thermocouples

Time: 1330
Message: 45

GINNA STATION
1989 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plume tracking continues. Off-site radiation levels near the Ginna Plant have dropped substantially due to the departure of the plume.

Actions Expected:

- 1) See attached sheets.



Actions Expected for Message #45:

- 1) Recovery/Re-entry discussions should commence. These should include the following:
 - a) Preliminary discussions between the EOF and the TSC on the following:
 - o Possible downgrade discussions per SC-110 (Ginna Station Event Evaluation for Reducing the Classification).
 - o Short term Plant concerns such as:
 1. Repair and return to service of the 1B RHR pump for redundancy in the core cooling recirculation mode.
 2. Possible makeup of borated water to the RWST for safety injection or containment spray operation if needed.
 3. Initial cleanup of the Auxiliary Building basement.
 4. Repair and return to service of the 1B safety injection pump.
 5. Highly radioactive waste water in Waste Holdup Tank from the 1B RHR pump seal failure.
 - o Intermediate term Plant concerns such as:
 1. Containment vessel inspection and cleanup plans.
 2. More extensive cleanup effort in the Auxiliary Building.
 3. Preliminary inspection of the auxiliary feedwater pump fires for possible causes and repairs needed.
 - b) Preliminary designation of the recovery organization.
 - c) State and counties may also conduct parallel recovery/re-entry discussions.
- 2) Recovery/re-entry interface between the EOF and off-site agencies should be demonstrated as time allows.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>62</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>1</u> PSIG
Cnmt Sump A Level	<u>31.2</u> FEET
Cnmt Sump B Level	<u><180</u> INCHES
Loop Hot Leg	<u>199</u> °F
Loop Cold Leg	<u>199</u> °F
B Loop Hot Leg	<u>199</u> °F
B Loop Cold Leg	<u>199</u> °F
RVLIS	<u>100</u> %
*CET	<u>208</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

C = Average of Selected Core Exit Thermocouples



Time: 1345
Message: 46

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plume tracking continues. Off-site radiation levels near the Ginna Plant have dropped substantially due to the departure of the plume.

Actions Expected:

- 1) See attached sheets.



Actions Expected for Message #46:

- 1) Recovery/Re-entry discussions should commence. These should include the following:
 - a) Preliminary discussions between the EOF and the TSC on the following:
 - o Possible downgrade discussions per SC-110 (Ginna Station Event Evaluation for Reducing the Classification).
 - o Short term Plant concerns such as:
 1. Repair and return to service of the 1B RHR pump for redundancy in the core cooling recirculation mode.
 2. Possible makeup of borated water to the RWST for safety injection or containment spray operation if needed.
 3. Initial cleanup of the Auxiliary Building basement.
 4. Repair and return to service of the 1B safety injection pump.
 5. Highly radioactive waste water in the Waste Holdup Tank from the 1B RHR pump seal failure.
 - o Intermediate term Plant concerns such as:
 1. Containment vessel inspection and cleanup plans.
 2. More extensive cleanup effort in the Auxiliary Building.
 3. Preliminary inspection of the auxiliary feedwater pump fires for possible causes and repairs needed.
 - b) Preliminary designation of the recovery organization.
 - c) State and counties may also conduct parallel recovery/re-entry discussions.
- 2) Recovery/re-entry interface between the EOF and off-site agencies should be demonstrated as time allows.



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MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> /NO
N-31	<u>61</u> CPS
N-32	<u>64</u> CPS
N-35	<u>1x10⁻¹</u> AMPS
N-36	<u>1x10⁻¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	RUNNING/ <u>STOPPED</u>
B RCP	RUNNING/ <u>STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	ONLINE/ <u>OFFLINE</u>
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cmnt Pressure	<u>1</u> PSIG
Cmnt Sump A Level	<u>31.2</u> FEET
Cmnt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>197</u> °F
A Loop Cold Leg	<u>197</u> °F
B Loop Hot Leg	<u>197</u> °F
B Loop Cold Leg	<u>197</u> °F
RVLIS	<u>100</u> %
*CET	<u>206</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

*C = Average of Selected Core Exit Thermocouples

Time: 1400
Message: 47

GINNA STATION

1989 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plume tracking continues. Off-site radiation levels near the Ginna Plant have dropped substantially due to the departure of the plume.

Actions Expected:

- 1) See attached sheets.



1025

Actions Expected for Message #47:

- 1) Recovery/Re-entry discussions should commence. These should include the following:
 - a) Preliminary discussions between the EOF and the TSC on the following:
 - o Possible downgrade discussions per SC-110 (Ginna Station Event Evaluation for Reducing the Classification).
 - o Short term Plant concerns such as:
 1. Repair and return to service of the 1B RHR pump for redundancy in the core cooling recirculation mode.
 2. Possible makeup of borated water to the RWST for safety injection or containment spray operation if needed.
 3. Initial cleanup of the Auxiliary Building basement.
 4. Repair and return to service of the 1B safety injection pump.
 5. Highly radioactive waste water in the Waste Holdup Tank from the 1B RHR pump seal failure.
 - o Intermediate term Plant concerns such as:
 1. Containment vessel inspection and cleanup plans.
 2. More extensive cleanup effort in the Auxiliary Building.
 3. Preliminary inspection of the auxiliary feedwater pump fires for possible causes and repairs needed.
 - b) Preliminary designation of the recovery organization.
 - c) State and counties may also conduct parallel recovery/re-entry discussions.
- 2) Recovery/re-entry interface between the EOF and off-site agencies should be demonstrated as time allows.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>62</u> CPS
N-35	<u>1x10⁻¹¹</u> AMPS
N-36	<u>1x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0</u> %
RCS Pressure	<u>0</u> PSIG
PRZR Level	<u>0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>0</u> %
1B S/G Level	<u>0</u> %
1A S/G Pressure	<u>0</u> PSIG
1B S/G Pressure	<u>0</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>1</u> PSIG
Cmnt Sump A Level	<u>31.2</u> FEET
Cmnt Sump B Level	<u><180</u> INCHES
A Loop Hot Leg	<u>195</u> °F
A Loop Cold Leg	<u>195</u> °F
B Loop Hot Leg	<u>195</u> °F
B Loop Cold Leg	<u>195</u> °F
RVLIS	<u>100</u> %
*CET	<u>205</u> °F
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
 B. RUNNING/UNLOADED/STBY/OOS
 TSC RUNNING/UNLOADED/STBY/OOS
 Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 13 %

Low Head S.I. Pumps

FI-626 1500 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 15 %

Containment Spray Pumps

FI-931A 0 GPM
 FI-931B 0 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 NaOH Tank Level = 38 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 72 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS

= Average of Selected Core Exit Thermocouples

