

50-320

Plant Status Summary Sheets (Update)  
4/28 - 4/30

556312

19

7907120705

APR 28 1979

Time 0530

Last Report

4/24/79 0530

Attachments

1. Core Temperature Status
2. Plant Parameters
3. Plant Status Items
4. System/Component Status

Heat Removal Path - Reactor coolant going through core by natural circulation. Steam path from A S/G through turbine bypass valves to condenser. Turbine is off. Feeding by one condensate pump.

Primary Evolutions Underway

1. The last remaining pressurizer level indicator failed at around 0930 on 4/27/79.
2. "B" S/G turbine bypass valves were cracked open @ 1340 on 4/27/79.
3. 2A RCP was tripped at 1410 on 4/27/79.
4. "B" S/G turbine bypass valves were closed @ 0110 on 4/28/79.
5. Level in the pressurizer determined by making water inventory and the change in characteristics in and out of water by the pressurizer top and bottom temperature sensors.

556313

POOR ORIGINAL

7907120705

P

Time

Reactor and RCS

Primary Pressure	<u>893</u> psig	<u>0500</u>
Primary Inlet Temp. (A loop)	<u>170</u> F	<u>0500</u>
Pressurizer Level	<u>—</u> inches <del>psig</del>	<u>0500</u>
Pressurizer Temp	<u>541</u> F	<u>0500</u>
Reactor Coolant Letdown (Calculated)	<u>—</u> gpm	<u>0500</u>
Pressurizer Mode (Dry/Bubble/Solid)	<u>STEAM BUBBLE</u>	<u>0500</u>
Bubble Size in Reactor Vessel	<u>NONE</u> Cu Ft	<u>0500</u>
Reactor Coolant Pump(s) operating	<u>NONE</u>	<u>0500</u>

Secondary Status

Steam Generator <sup>Level</sup> Pressure A	<u>415" / -30</u> %psig	<u>0530</u>
B	<u>78% / -28</u> %psig	<u>0530</u>
Feedwater Source	<u>Condensate</u> pump	<u>0500</u>

ECCS Systems

HPCI Pump(s) running	<u>one / 2 in Stby</u>	<u>0500</u>
Decay Heat Removal Pump(s) running	<u>Secured</u>	<u>0500</u>
Containment Bldg. Sump level	<u>est. 4'-7"</u> feet <sup>space</sup> <sub>between</sub> <sub>the 5</sub>	<u><del>0500</del> 0645</u> <sup>hrs</sup>
Containment Bldg. Fan Coolers operating	<u>3</u>	<u>0500</u>
Containment Bldg. Pressure	<u>-1</u> PSIG	<u>0500</u>
Containment Bldg. Temperature	<u>—</u> F	<u>0500</u>

Rad Waste Tanks

		<u>556314</u>	
Waste Gas Decay Tank Pressure A	<u>24</u> psig	<u>0530</u>	
B	<u>24</u> psig	<u>0530</u>	
Status of Gas Tank to Containment Return Lines	<u>Installed / Secured</u>		
Makeup Tank level/pressure	<u>(LEVEL VARIED) 65" / 0</u> in/psig	<u>0530</u>	
RC Bleed Holdup Tank level A	<u>11.6</u> ft	<u>0500</u>	
(full 15.5 ft)			
B (Misc. Rad Waste)	<u>13.3</u> ft	<u>0500</u>	
C	<u>12</u> ft	<u>0500</u>	
Borated Water Tank (level)	<u>53</u> ft	<u>0530</u>	

POOR ORIGINAL

System / Component Operability Status

Reactor Coolant System

RCP 1A (Operability refers to availability of seal water and operability of oil lift pumps)

0

RCP 2A "

0

RCP 1B "

0

RCP 2B "

0

Pressurizer Heaters

0

36 OF 39 OPERABLE

Spray Valves

0

Decay Heat Removal (DHR)

Pumps (2 Pumps)

0

System valves

0

Makeup / High Head Safety Injection

Pumps (2 Pumps)

0

System valves

0

Containment Spray (2 trains)

0

Containment Fan Coolers (5 Coolers)

0

Service Water System (4 pumps/ two trains)

0

Component Cooling Water (4 pumps/ Two trains)

0

Auxiliary Feed (2 electric pumps)

0

Diesel Generators (2 Generators for Unit 2)

0

Off-site Power

0

2 SOURCES

H<sub>2</sub> Recombiners (2 Recombiners)

0

1 OPERATING  
2 IN STANDBY

*DHR Closed Cooling (2 pumps)*

0

556315

**POOR ORIGINAL**

INSTRUMENT OPERABILITY STATUS

Pressurizer Level 1 (RC1-LT1)  
 2 Problems on 4/4/79  
 3

Reactor Coolant Flow 1  
 (loop A) 2 (1 A PDT2)  
 3  
 4

Reactor Coolant Flow 1  
 (loop B) 2 (14B PDT2)  
 3  
 4

Reactor Coolant Pump Seal Pressure 1  
 2 - 1A RCP LOWER CAVITY PRESSURE IND  
 3  
 4 - 1B RCP LOWER CAVITY PRESSURE IND  
 5  
 6  
 7  
 8

Reactor Coolant Pressure		Range	
Loop A	Narrow	1700-2500 psig	
	Narrow	1700-2500 psig	
	Wide	0-2500 psig on computer	
	Wide	0-2500 psig on computer	
	Startup	0-500 psig	
Loop B	Narrow	1700-2500 psig	
	Narrow	1700-2500 psig	
	Wide	0-2500 psig on computer	

Steam Generator Level		Range	
A	Startup	0-250" on computer	
	Startup	0-250"	
LEVEL INDICATION BY DP SENSORS	Operating	0-100% on computer	
	Full Range	0-600" on computer	
B	Startup	0-250" on computer	
	Startup	0-250"	
	Operating	0-100% on computer	
	Operating	0-100%	
	Full Range	0-600" on computer	

Steam Generator Pressure		
A		0-1200 psig
B		0-1200 psig

Loose Parts Monitor  
 O operable  
 F failed

Handwritten status indicators in a vertical column, including 'M', 'F', 'O', and '1' characters, corresponding to the instrument status.

556316

POOR ORIGINAL

SPECIAL SUMMARY SHEET

e Time	PRESSURIZER		REACTOR COOLANT						CONTAINMENT	CORE THERMOCOUPLES				
	P <sub>IR</sub> Press	P <sub>IR</sub> Imp	T <sub>A</sub> HOT	T <sub>A</sub> COLD	DELTA T <sub>A</sub>	T <sub>B</sub> HOT	T <sub>B</sub> CLD	DELTA T <sub>B</sub>	PRESS.	5H	8H	9H	11K	7M
2100	988	541	193	177	16	208	169	39	-0.7	222	311	325	272	269
2200	893	537	190	174	16	208	166	42	-0.8	220	308	323	273	265
2300	868	537	190	174	16	208	164	44	-0.9	219	308	321	272	265
2400	898	537	189	174	15	206	161	45	-0.9	217	306	319	270	263
0100	893	541	187	173	14	206	156	50	-1.0	216	306	319	269	263
0200	968	541	184	172	12	196	156	40	-1.0	215	305	320	266	264
0300	892	541	185	171	14	205	155	50	-1.0	215	304	319	238	261
0400	901	541	185	171	14	204	154	50	-1.0	214	304	323	236	261
0500	893	541	184	170	14	204	153	51	-1.0	214	302	318	232	262

55317

POOR ORIGINAL

SPECIAL SUMMARY SHEET

Time	PRESSURIZER		REACTOR COOLANT						CONTAINMENT PRESS.	CORE THERMOCOUPLES				
	PER Press	PER Temp	T <sub>A</sub> HOT	T <sub>A</sub> COLD	DELTA T <sub>A</sub>	T <sub>B</sub> HOT	T <sub>B</sub> CLD	DELTA T <sub>B</sub>		5H	8H	9H	11K	7M
0900	898	542	-	223	-	-	222	-	-0.8	307	293	-	-	-
1000	-	-	-	-	-	-	-	-	-	310	294	233	244	231
1100	-	-	-	-	-	-	-	-	-	310	294	253	245	232
1200	900	540	-	223	-	-	-	-	-0.8	310	295	-	-	-
1215	-	-	-	-	-	-	-	-	-	310	293	233	244	232
1300	900	540	-	223	-	-	222	-	-0.8	310	295	234	245	233
1320	AT 1339 C. LOCKED IN 9.11 B. 9.11 BP VALVE								-	310	296	233	245	233
1358	-	-	-	-	-	-	-	-	-	310	295	233	244	233
1405	901	542	-	222	-	-	221	-	-	-	-	-	-	-
1435	901	542	-	209	-	-	215	RCST Trip A	TRIP 1 @ 1410	-	-	-	-	-
1412	-	-	-	-	-	-	-	-	-	261	299	291	262	257
1420	-	-	-	-	-	-	-	-	-	259	309	319	278	273
1435	-	-	226	209	17	222	215	7	-	253	325	336	295	286
1455	903	542	224	206	18	220	207	11	-	-	-	-	-	-
1515	910	543	221	203	18	218	202	16	-	248	336	338	299	290
1540	951	544	218	200	18	212	197	15	<del>TRIP</del>	244	334	341	297	290
1600	970	545	213	197	16	209	193	16	<del>TRIP</del>	241	330	340	295	288
1620	933	544	212	196	16	207	194	15	-	240	328	341	293	285
1700	910	544	210	193	17	207	190	19	-	238	326	338	291	282
1730	911	543	207	189	19	207	187	22	-	234	323	336	288	279
1800	913	543	205	187	18	206	185	21	-	235	322	334	287	276
1830	945	543	202	185	17	203	182	20	-0.7	230	319	331	283	275
1900	908	542	200	182	18	201	177	24	-0.7	229	317	329	280	270
2000	896	541	195	179	20	207	176	31	-0.7	228	314	327	280	270

POOR ORIGINAL

318

4/29/79Time 0530

Last Report 4/28/79 0530  
 Attachments 1. Core Temperature Status  
 2. Plant Parameters  
 3. Plant Status Items  
 4. System/Component Status

Heat Removal Path - *No change from last report.*

## Primary Evolutions Underway

1. *LT-3 periodically responds and tracks mass balance analysis method of obtaining Pressurized Level well. Also using Heise gage to track Per level.*

2.

3.

4.

5.

POOR ORIGINAL

556319

Time

Reactor and RCS

Primary Pressure 92.5 psig 0500

Primary Inlet Temp. (A loop) 180 F "

Pressurizer Level (calculated) 377.6 inches "

Pressurizer Temp 545 F "

Reactor Coolant Letdown (Calculated) --- gpm "

Pressurizer Mode (Dry/Bubble/Solid) Stream Bubble "

Bubble Size in Reactor Vessel NONE Cu Ft "

Reactor Coolant Pump(s) operating NONE "

Secondary Status

Steam Generator <sup>Level</sup> Pressure A 419 " psig "

B 97% psig "

Feedwater Source Condensate pump "

ECCS Systems

HPCI Pump(s) running None one / 2 in stby "

Decay Heat Removal Pump(s) running Secured "

Containment Bldg. Sump level est. 4 to 5 feet "

Containment Bldg. Fan Coolers operating 3 of 5 "

Containment Bldg. Pressure -0.9 PSIG " 20

Containment Bldg. Temperature (Broken) --- F " 2

Rad Waste Tanks

Waste Gas Decay Tank Pressure A 25 psig "

B 25 psig "

Status of Gas Tank to Containment Return Lines Inerted / Secured "

Makeup Tank level/pressure 4.5/0 in/psig "

RC Bleed Holdup Tank level A 11.6 (-1.0") ft "

(full 15.5 ft) B (Misc. Rad Waste) 12.6 (+1.0") ft "

C 12.3 (+4.0") ft "

Borated Water Tank (level) (until further notice) 55 ft "

**POOR ORIGINAL**



Plant Status Summary Sheet

Date 4/30/79

Time 0530

Last Report 4/29/79 0530  
Attachments ~~1. Core Temperature Status~~  
~~2. Plant Parameters~~  
3. Plant Status Items  
4. System/Component Status

A. Heat Removal Path *Natural circulation is continuing on the A Steam Generator. Steam is being admitted to the main condenser through the turbine bypass valves from the A steam generator.*  
B. Primary Evolutions Underway

1.

2.

3.

4.

5.

55327

POOR ORIGINAL

		Time
<u>Reactor and RCS</u>		
Primary Pressure	<u>870</u> psig	<u>0500</u>
Primary Inlet Temp. (A loop)	<u>164</u> F	<u>0500</u>
Pressurizer Level	<u>298</u> inches psig	<u>0500</u>
Pressurizer Temp	<u>538</u> F	<u>0500</u>
Reactor Coolant Letdown (Calculated)	<u>20-21</u> (Estimated) gpm	<u>0500</u>
Pressurizer Mode (Dry/Bubble/Solid)	<u>Steam Bubble</u>	<u>0500</u>
Bubble Size in Reactor Vessel	<u>None</u> Cu Ft	<u>0500</u>
Reactor Coolant Pump(s) operating	<u>None</u>	<u>0500</u>
<u>Secondary Status</u>		
Steam Generator <sup>Level</sup> Pressure A	x <u>424"</u> %psig	<u>0500</u>
B	x <u>98% Range</u> %psig	<u>0500</u>
Feedwater Source	<u>Condensate pump</u>	<u>0500</u>
<u>ECCS Systems</u>		
HPCI Pump(s) running	<u>one / 2 in Stby</u>	<u>0500</u>
Decay Heat Removal Pump(s) running	<u>Secured</u>	<u>0500</u>
Containment Bldg. Sump level	o <u>est. 4 to 5</u> feet above floor	<u>0500</u>
Containment Bldg. Fan Coolers operating	o <u>3</u> of 5	<u>0500</u>
Containment Bldg. Pressure	<u>-0.6</u> psig	<u>0500</u>
Containment Bldg. Temperature	<u>-</u> F	<u>0500</u>
<u>Rad Waste Tanks</u>		
Waste Gas Decay Tank Pressure A	x <u>25</u> psig	<u>0500</u>
B	x <u>25</u> psig	<u>0500</u>
Status of Gas Tank to Containment Return Lines	<u>Installed / Secured</u>	<u>0500</u>
Makeup Tank level/pressure	x <u>43/0</u> in/psig	<u>0500</u>
RC Bleed Holdup Tank level A (full 15.5 ft)	x <u>15/0</u> ft/press.	<u>0500</u>
B (Misc. Rad Waste)	x <u>135/0</u> ft	<u>0500</u>
C	x <u>12' - 2"</u> <sup>max.</sup> ft	<u>0500</u>
Rotated Water Tank (level)	x <u>55</u> ft	<u>0500</u>

POOR ORIGINAL

SECRET

Reactor Coolant System

RCP 1A (Operability refers to availability of seal water and operability of oil lift pumps)	0	
RCP 2A "	0	
RCP 1B "	0	
RCP 2B "	0	
Pressurizer Heaters	0	36 OF 39 OPERABLE
Spray Valves	0	
Decay Heat Removal (DHR)		
Pumps (2 Pumps)	0	
System valves	0	
Makeup / High Head Safety Injection		
Pumps (2 Pumps)	0	
System valves	0	
Containment Spray (2 trains)	0	
Containment Fan Coolers (5 Coolers)	0	
Service Water System (4 pumps/ two trains)	0	
Component Cooling Water (4 pumps/ Two trains)	0	
Auxiliary Feed (2 electric pumps)	0	
Diesel Generators (2 Generators for Unit 2)	0	
Off-site power	0	2 SOURCES 1 OPERATING 2 IN STANDBY
H <sub>2</sub> Recombiners (2 Recombiners)	0	
<i>DHR Closed Cooling (2 pumps)</i>	0	

556324

POOR ORIGINAL



SPECIAL SUMMARY SHEET

Date	Time	PRESSURIZER		REACTOR COOLANT						CONTAINMENT PRESS.	CORE THERMOCOUPLES				
		PER Press	PER Trip	T <sub>A</sub> HOT	T <sub>A</sub> COLD	DELTA T <sub>A</sub>	T <sub>B</sub> HOT	T <sub>B</sub> CLD	DELTA T <sub>B</sub>		5H	8H	9H	11K	7M
29	2100	867	538	180	165	15	182	140	42	-.5	<del>300</del> 300	322	322	231	256
	2200	866	538	180	166	14	181	149	42	-.6	-	300	322	231	259
	2300	866	537	180	165	15	182	139	43	-.6	-	300	323	232	257
	2400	868	540	179	166	13	181	138	43	-.6	288	299	324	228	257
30	0100	868	537	180	166	14	181	138	43	-.8	289	299	323	230	258
	0200	870	537	180	166	14	181	138	43	-.5	288	299	324	231	256
	0300														
	0400														
	0500	870	538	179	164	15	181	136	45	-.6	288	298	324	229	257

556326

POOR ORIGINAL

SPECIAL SUMMARY SHEET

Time	PRESSURIZER		REACTOR COOLANT						CONTAINMENT	CORE THERMOCOUPLES				
	P <sub>PR</sub> Press	P <sub>PR</sub> Temp	T <sub>A</sub> HOT	T <sub>A</sub> COLD	DELTA T <sub>A</sub>	T <sub>B</sub> HOT	T <sub>B</sub> CLD	DELTA T <sub>B</sub>	PRESS.	5H	8H	9H	11K	7M
8:00	895	541	182	166	16	193	148	47	-0.7	211	301	320	233	244
2100	896	541	181	167	14	193	146	47	-0.9	210	301	318	220	243
2200	910	543	181	167	14	193	149	47	-1.0	211	300	320	213	259
2300	908	548	181	166	15	191	146	45	-1.0	210	300	320	220	258
2400	913	543	181	166	15	191	145	46	-1.0	210	300	320	219	258
9:0100	—	545	180	166	14	190	145	45	-1.0	209	300	320	215	257
0300	922	546	180	165	15	189	144	45	-1.0	209	299	320	219	257
0400	923	544	180	166	14	189	144	45	-1.0	209	300	322	219	258
0500	925	545	180	166	14	188	144	44	-0.9	210	300	320	220	259
0700	927	545	180	165	15	187	144	43	-0.9	209	300	322	217	258
0800	916	544	180	165	15	187	143	44	-0.8	—	299	320	227	257
0900	910	543	180	165	15	187	143	44	-0.8	—	300	323	233	258
1000	905	543	180	167	13	186	143	43	-0.8	—	299	321	229	259
1100	903	541	180	167	13	186	143	43	-0.8	210	299	319	230	249
1200	913	542	180	165	15	185	142	43	-0.8	—	300	323	230	248
1300	880	540	179	165	14	185	142	43	-0.7	—	299	321	228	248
1400	890	540	179	166	13	184	142	42	-0.7	—	299	321	229	258
1500	891	541	180	166	14	184	142	42	-0.7	—	299	324	226	258
1600	885	540	179	165	14	184	141	43	-0.7	—	299	324	225	254
1700	868	537	179	166	13	183	141	42	-0.6	—	299	322	229	255
1800	865	537	179	166	13	183	141	42	-0.6	—	300	326	230	258
1900	868	537	180	166	14	183	140	43	-0.5	—	300	324	231	259
2000	868	538	180	166	14	182	140	42	-0.6	—	300	321	231	260

55327

Inlet

POOR ORIGINAL

SPECIAL SUMMARY SHEET

Time	PRESSURIZER		REACTOR COOLANT							CONTAINMENT	CORE THERMOCOUPLES				
	PER Press	PER Temp	T <sub>A</sub> HOT	T <sub>A</sub> COLD	DELTA T <sub>A</sub>	T <sub>B</sub> HOT	T <sub>B</sub> COLD	DELTA T <sub>B</sub>	PRESS.	5H	8H	9H	11K	7M	
2100	988	541	193	177	16	208	169	39	-0.7	222	311	325	272	269	
2200	893	537	190	174	16	208	166	42	-0.8	220	308	323	272	265	
2300	868	537	190	174	16	208	164	44	-0.9	219	307	321	272	265	
0001	898	538	189	174	15	206	161	45	-0.9	217	306	319	270	263	
0100	893	541	187	173	14	206	156	50	-1.0	216	306	319	269	263	
0200	968	541	184	172	12	196	156	40	-1.0	215	305	320	266	264	
0300	892	541	185	171	14	205	155	50	-1.0	215	304	319	268	261	
0400	901	541	185	171	14	204	154	50	-1.0	214	304	323	236	261	
0500	893	541	184	170	14	204	153	51	-1.0	214	302	318	232	262	
0600	893	541	184	169	15	203	153	50	-1.0	213	303	320	236	263	
0700	935	541	183	170	13	202	152	50	-1.0	212	302	318	225	261	
0800	895	541	182	169	13	201	151	50	-1.0	213	303	320	234	262	
0900	938	542	183	169	14	201	151	50	-1.0	213	303	320	234	261	
1000	889	540	182	169	13	201	150	51	-1.0	212	302	318	229	261	
1100	888	540	183	169	14	200	150	50	-1.0	212	303	319	234	260	
1200	980	539	182	168	14	200	149	51	-1.0	-	302	323	227	260	
1300	973	527	181	168	13	199	149	50	-0.9	211	299	320	226	258	
1400	896	479	181	167	14	199	148	51	-0.8	-	300	317	228	258	
1500	879	526	183	168	15	198	148	50	-0.7	-	302	317	233	260	
1600	895	541	184	168	16	198	148	50	-0.8	212	302	320	234	261	
1700	885	540	184	166	18	196	147	49	-0.6	212	302	320	235	263	
1800	893	541	183	167	16	196	147	49	-0.6	211	301	318	234	262	
1900	898	542	183	167	16	195	147	48	-0.6	211	301	322	230	260	

556328

Inlet

POOR ORIGINAL

SPECIAL SUMMARY SHEET

Time	PRESSURIZER		REACTOR COOLANT						CONTAINMENT	CORE THERMOCOUPLES				
	PER Press	PER Temp	T <sub>A</sub> HOT	T <sub>A</sub> GOLD	DELTA T <sub>A</sub>	T <sub>B</sub> HOT	T <sub>B</sub> CLD	DELTA T <sub>B</sub>	PRESS.	5H	8H	9H	11K	7M
0900	898	542	-	223	-	-	222	-	-0.8	309	293	-	-	-
1000	-	-	-	-	-	-	-	-	-	310	294	233	244	231
1100	-	-	-	-	-	-	-	-	-	310	294	233	243	232
1200	900	540	-	223	-	-	-	-	-0.8	310	295	-	-	-
1215	-	-	-	-	-	-	-	-	-	310	293	233	244	232
1300	900	540	-	223	-	-	222	-	-0.8	310	295	234	245	233
1330	AT 1339 Circulation stopped B <sub>5</sub> SG BP valve								-	310	296	233	245	233
1356	-	-	-	-	-	-	-	-	-	310	295	233	244	233
1405	901	542	-	222	-	-	221	-	-	-	-	-	-	-
1435	901	542	-	209	-	-	215	RCS Pump A Tripped @ 1410						
1442	-	-	-	-	-	-	-	-	-	261	297	291	262	257
1420	-	-	-	-	-	-	-	-	-	259	307	319	278	273
1435	-	-	226	209	17	222	215	7	-	253	325	336	295	286
1455	903	542	224	206	18	220	209	11	-	-	-	-	-	-
1515	916	543	221	203	18	218	202	16	-	248	336	338	299	290
1540	951	544	218	200	18	212	197	15	-	244	334	341	297	290
1600	970	545	213	197	16	209	193	16	-	241	330	340	295	288
1620	933	544	212	196	16	209	194	15	-	240	328	341	293	285
1700	910	544	210	193	17	209	190	19	-	238	326	338	291	282
1730	911	543	208	189	19	209	187	22	-	234	323	336	288	279
1800	913	543	205	187	18	206	185	21	-	233	322	334	287	276
1830	945	543	202	185	17	208	182	26	-0.7	230	319	331	283	275
1900	907	542	200	182	18	209	178	31	-0.7	229	317	329	282	274
2000	896	541	199	179	20	207	174	34	-0.7	225	314	327	280	270

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