Copies
Denton
Mattson
Ross
Vollmer

PLANNING MEETING 4/7/79

- BASE CASE SUMMARY
- FLOW CHART FOR BASE PLAN
- TASK LISTS
  - IAG
  - PLT OPS
  - TECH SUPPORT GROUP
  - WASTE MANAGEMENT GROUP
  - PLANT MODIFICATIONS GROUP
  - B+W

Comments by noon today

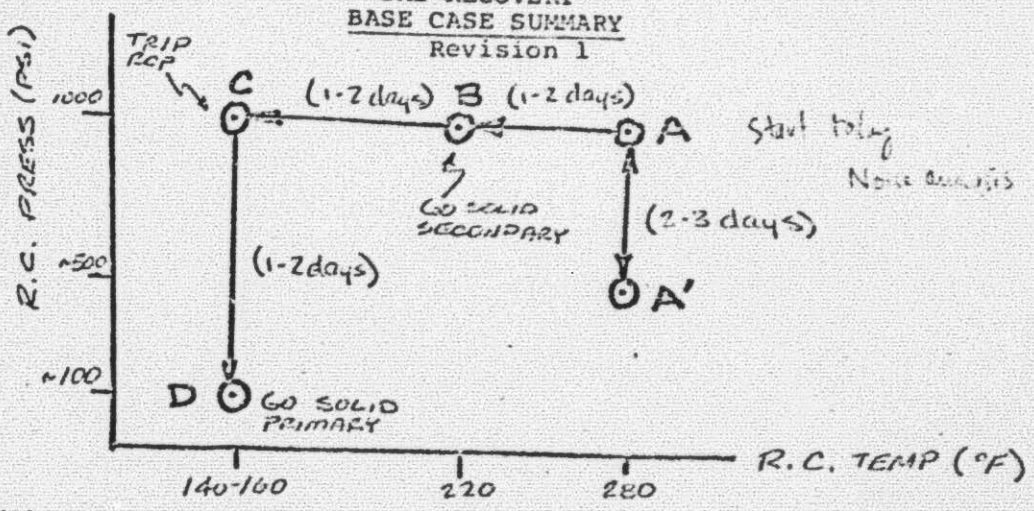
POOR ORIGINAL

2005 307

(AA)
C

4/6/79
1100 hrs.

TMI RECOVERY
BASE CASE SUMMARY
Revision 1



(1) Degas at A; Lower Pressure (A→A') while degassing, then return to A.

(2) Continue Design/Installation of static and active systems for primary makeup/pressure control and secondary cooling system for "B" S/G.

(3) Reduce temperature (A→B) by steaming on "A" S/G

(4) Take "A" S/G solid - drop primary temp. to minimum (B→C)

(5) Trip RC Pump "A" - Establish natural convection - Establish cooling to "B" S/G if available.

(6) Drop primary pressure to selected value (C→D)

(7) Take primary system solid - Control pressure & makeup with static or new active system

END POINT

Primary - Natural Circ, solid liquid, Long-term P/V Control

Secondary - Solid water, Long-term Heat Dump System

Approved for Issue:

R. Arnold

RA:clb

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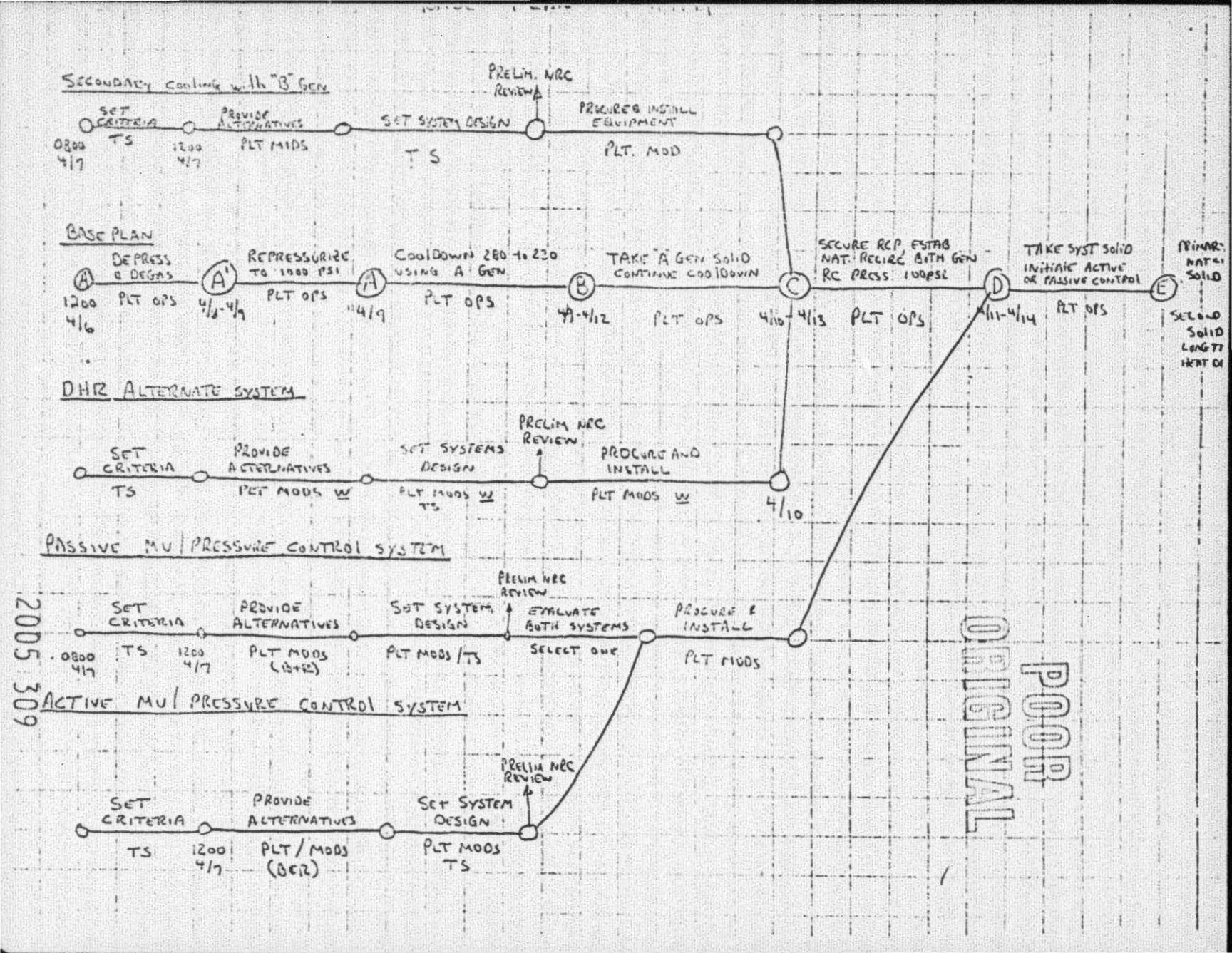
SECONDARY cooling with "B" GEN
SET CRITERIA
TS
0800 4/7
PROVIDE ALTERNATIVES
1200 4/7
PLT MODS
SET SYSTEM DESIGN
T S
PRELIM. NRC REVIEW
PROCURE & INSTALL EQUIPMENT
PLT. MOD
BASE PLAN
A
DEPRESS & DEGAS
1200 4/6
PLT OPS
A'
REPRESSURIZE TO 1000 PSI
4/8-4/9
PLT OPS
A
COOLDOWN 280 to 220 USING A GEN
4/9
PLT OPS
B
TAKE "A" GEN SOLID CONTINUE COOLDOWN
4/11-4/12
PLT OPS
C
SECURE RCP ESTAB NAT. RECIRC BOTH GEN RC PRESS 100PSI
4/10-4/13
PLT OPS
D
TAKE SYST SOLID INITIATE ACTIVE OR PASSIVE CONTROL
4/11-4/14
PLT OPS
E
PRIMARY NAT. CIRC SOLID
SECOND SOLID LONG TERM HEAT OF
DHR ALTERNATE SYSTEM
SET CRITERIA
TS
PROVIDE ALTERNATIVES
PLT MODS W
SET SYSTEMS DESIGN
PLT MODS W TS
PRELIM NRC REVIEW
PROCURE AND INSTALL
PLT MODS W
4/10
PASSIVE MU/PRESSURE CONTROL SYSTEM
SET CRITERIA
0800 4/9
TS
PROVIDE ALTERNATIVES
1200 4/7
PLT MODS (B+E)
SET SYSTEM DESIGN
PLT MODS/TS
PRELIM NRC REVIEW
EVALUATE BOTH SYSTEMS
SELECT ONE
PROCURE & INSTALL
PLT MODS
ACTIVE MU/PRESSURE CONTROL SYSTEM
SET CRITERIA
TS
PROVIDE ALTERNATIVES
1200 4/7
PLT/MODS (DER)
PRELIM NRC REVIEW
SET SYSTEM DESIGN
PLT MODS TS
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Industry Advisory Group

Task	Description	Priority	Status	Lead Man
1	Recommend if Pri. sample worth exposure	H		Levenson
2	Provide recommendation for alternative methods of P/V control	H		
3	Evaluate fire in containment	H	Complete	

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PLANT OPERATIONS

Task	Description	Priority	Status	Lead Man
	Procedure for reducing containment vacuum	H		
1D	Verify let-down valve alignment of make-up system	H		Miller
1E	Restore Pressurizer Heater	H		Shovlin
2A	Robot proceedure	M		Miller
2B	Determine urgency reqt. for primary sample			Herbein
3	Improve TLD methods limit exposures	H		Grayber/ Bachofer
4	Determine source of high Iodine-AB elevator	H		Miller
6	Repair fitting on make-up tank to reactor bldg.	H		Miller
11	Qualify 5 men to enter Aux. Bldg.	H		Limroth
14	Clear south end warehouse	M		Gunn
16	Design/Install filters at vacuum pump discharge	M		Gunn
19A	Control/room Island access lst	M		Limroth
B	Security	M		Stacy
C	Fire fighting readiness/proceedures	M		Miller
22A	Develop list of Plant changes	M		Miller
B	Establish control room change control log	M		Miller
23	Procedure for Plant condition upon evacuation	H		Miller
	Update emergency plan			

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Plant Operations

Task	Description	Priority	Status	Lead Man
15	Install portable IWT system	M		Gunn

TECHNICAL SUPPORT GROUP

TASK	DESCRIPTION	PRIORITY	STATUS	LEAD MAN
1.	Provide Additional boiler capacity			
2.	Develop procedure for limiting containment vacuum			
3.	Evaluate need for backup HPI pump (Hydrolaser)			
4.	Provide estimate of required HPI flow for 200 to 2500 psi (degenerated state)			
5.	Reconstruction of event			
6.	Incfements for pressure decrease	H	Complete	Devine
7.	How to measure rate of degas	H		Devine
8.	Increase Letdown flow	H		Devine
9.	Investigate the use of sample line to degas	H		Devine
10.	Calculate Reactor Coolant System spray flow	M		Wallace
11.	Radiation monitor system desensitization	M		Devine
12.	Construct brick wall at Unit 1 HX Vault			McGuoy
13.	Provide degeneration procedures			
	A. Fire in containment			
	B. Fire in Auxiliary			
	C. Fire in other areas			
	D. Evacuation of control room			
	E. Breach of waste systems			

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WASTE MANAGEMENT GROUP

LIQUID WASTE

Task	Description	Priority	Status	Lead Man
#2	AB&FHB Filter Trains	H	Underway	S. Kraft
#11	Tank Inventory Status	H	Underway	McGoey - Plant Opr.
#23	Assessment CAP-GUN system	H	Underway	McGoey - Torres
#14	Arrangement Study-RB Contaminated Water	M		
#18	Flush System for AB Components	M		
#8	Determine Leakage Paths from Unit 2 to Unit 1	L		
#16	D/C Liquid Wastes Processing System	Long Term		
#19	Additive to Primary Water	Long Term		
#21	Reactor Building Sump Level Measurement	Long Term		

GAS WASTE

#1	AB&FHB Filter Trains	H	Underway	Hirst/Dorn
#4	Evaluate and Upgrade Gas Release Monitors	H	Underway	Yarborough
#5	Replace Charcoal Filters	H	Underway	Pavlick/Fitrell
#15	D/C Emergency RB Gas Purge Clean-Up System	H	Underway	B&R
#7	Condensor Off-Gas Discharge Filter	M	Underway	Hirst
#9	Preheaters to FHB Vent Filters	M		
#10	Preheaters to FHB Vent Filters	M		

GENERAL

#20	Develop Waste Management Game Plan	Long Term		Palmer
#24	Organize An Integrated QA'd Radiation Survey	H		Lee/Palmer

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WASTE MANAGEMENT GROUP (CONT'D)

TASK	DESCRIPTION	PRIORITY	STATUS	LEADMAN
	Sample AB/FH Bldg. for filter replacement indicating acceptable operation.	H		McConnell
	Provide alternate set of filters	M		McConnell
	Determine best solution to be used in Aux. Bldg. to maintain acceptable iodine limits.	H		McConnell
	Design Shield Wall at condensate demineralizers	M		McConnell

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Plant Modifications

Task	Description	Priority	Status	Lead Man
WG-1	Design new AB/FB filter/structure	H	Done	
WG-2	Instructions for decon Aux. Bldg. using cap-gun Ion exchange process			
TS-1	Recommend methods to improve reliability of implant electrical supply			
TS-2	Design package for secondary side cooling of S/GB	H		
TS-3	Design package for use of secondary services cooler			
TS-4	Design system for measuring water level in containment			
TS-5	Develop method for flooding containment with 10^6 ft^3 of water			
TS-6	Design system for pressure make-up control of RCS	H		
1063	Design/procure HEPA and charcoal filters for condenser VP discharge		Complete	
1064	Review S/G cool-down scheme for reliabilty		Complete	
1082	Recommend portable filters for Aux. bldg. (location, type, power source, etc.)		Complete	

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PLANT MODIFICATIONS

Task	Description	Priority	Status	Lead Man
1085	Design temporary shielding covers for DHR pits		On schedule complete 4/7	
1103 (?)	Evaluate line-up to use one decay heat and one spray pump		On Hold	
1004	Get design for waste gas to Cont. Bldg.		Complete	
1108	Review B&W natural circulation cooldown proc.		Complete	
19	Determine Aux. Bldg. TV locations to monitor DHR components (Mark up General Arr.)		Complete	
39	Provide electrical power supply for cross connecting RB with FHB purge filters		80% on hold since not needed for 2 wks.	
45	Determine leakage paths Unit 2---Unit 1		Complete	
52	Design supports for Cond. H line to surface condenser H hot CO-C-IB to make it as seismically capable as feasible		John Lucena to arrive site 4/7 with sketches calcs	
53	Investigate supply of new charcoal trays for Aux. purge in fuel handling syst.		Complete	
56	Examine 1E diesel generator to determine if BOP loads can be added		Intiated 4/4	
64	Review alternate cooling source for secondary		Intiated 4/4	

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PLANT MODIFICATIONS

Task	Description	Priority	Status	Lead Man
65	Design waste gas system for pump down of RB to fuel pool		Intiated 4/4	
63	Supports for H.S. system in Turbine bldg. when filled (related to #52)			
66	Location for secondary plant diesel		Assigned 4/4	
70	Max P&T for DHR downstream of valve DH-V3		Assigned 4/5	
73	Back-up Power Source for secondary plant loads		Assigned 4/5	
74	Review fire protection for charcoal filter		Complete	
	Design/ Fab/Install shield plugs at DH vaults	M		

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B & W

Task	Description	Priority	Status	Lead Man
1	Analysis of gas conc. in Primary system	H		
2	Provide list of critical systems for present conditions	H		
3	Analyze In-core thermocouples during LOOP 4/6	H		
4	Provide minimum allowable RCS pressure for degassing	H		
5	Provide stress Analysis for generator (points BtoC)	M		
6	Determine minimum primary system pressure (point D, Base Plan)	M		
7	Provide noise anaylsis of pressure during degassing	H		
8	Document of sequence of Plant conditions in base plan	L		
9	Develop procedure to determine pressurizer level using Heise Gauge			Rogers
10	Develop procedure for cooldown using OTSG's on natural circulation			Rogers
11	Core Anaylsis Program A. Thermocouples from Incores B. Neutron signals from Incores c Noise Levels			Rogers

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