

PLANNING MEETING

0900 4/20/79

1. Agenda, 0900, 4/20/79, Task Management/Schedule Meeting
2. Review Top Priorities List
3. Review Action Items from "1800", 4/19/79 Technical Review Meeting
4. Review Tasks Lists

2006 080

A G E N D ATask Management Schedule

0900 4/20/79

1. Radioactive Releases
 - a. Levels
 - b. Identification/isolation of sources
 - c. Monitoring (Eberline)

2. Status of:
 - a. Alternate pressurizer level measurement
 - b. Leakage past DH-V6B
 - c. Filter (Charcoal/HEPA) replacement
 - d. Ventilation system for welding operations
 - e. Charcoal filter spares
 - f. R.C. drain tank waste gas vent header isolation valve
 - g. EPICOR (Cap-Gun II System)
 - h. Auxiliary Building roof ventilation system
 - i. Tank farms in Unit 2 spent fuel pool
 - j. More direct path for adding deaerated water to the primary system

3. Schedule for Development of Plans for:
 - a. Treatment of Auxiliary Building liquid waste
 - b. Feeding steam generators during natural circulation
 - c. Determining that natural circulation has occurred
 - d. Formation of natural circulation advisory group

names
for NCA to
one from NRC

2006 081

TOP PRIORITIES

Replace charcoal filters in both the Auxiliary Building and the Fuel Handling Building Filtration Systems.	A-1
Development of plan for management of radioactivity in Auxiliary and Containment Buildings.	A-1
Identify and isolate sources of iodine leakage.	A-1
Complete roof top Stack Filtration System.	A-2
Complete evaluation of cross-tie between the Auxiliary Building and the Reactor Building Filtration System.	A-2
Completion of EPICOR (CAP-GUN II) System.	A-2
Complete tank farm in Unit 2 spent fuel pool.	B-1
Development of plan for treatment of Auxiliary Building liquid waste.	B-1
Complete "B" OTSG cooling and modification (long-term).	C-1
Complete "A" OTSG cooling and modification (short-term).	C-1
Upgrade Decay Heat Removal System.	C-1
Complete calibration of alternate pressurizer level transmitter.	C-1

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Top Priorities

0800 4/20/79²

Development of alternate system for pressure/volume control system. C-1

Provide methods (indications and trends) for determining that natural circulation has occurred. C-1

Determine best method for feeding Steam Generator during natural circulation. C-1.

Formation of natural circulation advisory group. C-1

Determine suitability of using both steam generators as heat sinks. C-2

Complete "A" OTSC cooling modification (long-term). C-2

Complete external valve pit for ADHR System. C-2

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ACTION ITEMSTechnical Review Meeting1800 4/19/79

1. Filtration System
 - a. Obtain (as required) replacement charcoal filters for Aux Building, Aux Building Vent System, Fuel Handling Building Vent System. Rusche
 - b. Check dimension of Aux Building charcoal filters. Cobean
 - c. Check into use of 30" Fuel Handling Building charcoal filters in place of 40" Auxiliary Building Vent System charcoal filters. Rusche
2. Provide alternate pressurizer level system over range of 130-250" \pm 40" of measured pressurizer level. Wilson/Herbein
3. Check for indication of leakage pass first isolation valves downstream of DH-V6B. Herbein
4. Maintain BWST level > 80%. Arnold to be notified when level < 80%. Herbein
5. Provide protection for equipment adjacent to work area. All
6. Provide a more direct method of adding deaerated water to the primary system. Wilson/Herbein
7. R.C. Drain Tank Waste Gas Vent Header Isolation Valve
 - a. Check position of valve Herbein
8. Hydrazine addition
 - a. Suspend further additions until availability of results of 4/21/79 sample. Herbein
 - b. Tank primary sample on 4/21/79 @0700. Herbein
 - c. Check into ability of B&W to receive and analyze 4/21/79 sample. McMillan
9. Investigate possible ways of improving primary sample routine. Wilson/Herbein
10. Continue activities to calibrate Eberline Radiation Monitor Herbein
11. Determine methods, procedures to protect decontaminated surfaces. Rusche

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- | | <u>Action</u> |
|--|----------------------|
| 12. Assure that experienced people are participating in waste management planning efforts. | Rusche |
| 13. Provide a flow path direct from condenser hotwell to auxiliary feedwater pumps. | Herbein |
| 14. Determine best method for feeding steam generator during natural circulation. | Wilson |
| 15. Provide detailed schedule for Decay Heat Removal System Upgrade and installation of Alternate Decay Heat Removal System. | Cobean/Siano |
| 16. Provide methods, as well as pros and cons, of using both steam generators as heat sinks. | Wilson |
| 17. Provide methods, as well as pros and cons, for determining that natural circulation has occurred. | Wilson |
| 18. Provide direct reading of (i.e. °F) in-core thermocouples. | Herbein/
Ackerman |
| 19. Establish group that can advise control room operators of status of natural circulation. Group to consist of | B&W/NRC/
OPS/LAG |
| a. B&W | |
| b. NRC | |
| c. Operations | |
| d. Instrument Advisory Group | |
| 20. Continue to identify and isolate sources of iodine leakage. | Rusche |

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Plant Operation Staff

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Investigate fuel building HVAC.	A-1		In progress	Logan
2.	Recalibrate Eberline Rad Monitor under direction of Service Rep. (HP-R219) (Vent stack)	B-1		Recalibrating	Brummer
3.	Pump out Aux. Bldg. elevator shaft.	B-2		Sump pumped out H.P. Survey required. Contacts corroded; reviewing	Waste Mgmt.
4.	Reduction of RCS temp. (steaming through turbine)	C-1		237 rpm @0600 4/20	Broughton
5.	SSRW pump repairs	C-1	B. 4/20	"A" - In Service "B" - Parts "C" - Disassembly "C" pump	Miller/ Shovlin
6.	Begin Waste Gas Program to determine location of gas leaks.	C-1			Seelinger
7.	Obtain RCS pressurized samples; review sample frequency (Broughton)	C-2	4th sample 0700, 4/21 (B&W)	3rd sample taken & shipped 2300, 4/18 (B&W)	Thorpe/ Hetrick/ Shift Supt.
8.	Pressurizer Heise and diff. press.	C-2			DeVine
9.	Boron concentration in RCS calculation.	C-2		2712 @0400, 4/20	Broughton/ Shift Supt.
10.	Put thermocouples on recorder system - Incore system. Need amplifiers (30) - need 48 bridges - need priority list of what points go on which recorder.	C-2		44 on recorder procure equip. by 4/20	Ackerman/ Weaver
11.	Addition of Hydrazine to RCS.	C-2		Review procedure 1800, 4/18	B&W/Rogers/ Logan
12.	Develop H.P. plan to cover waste management.	C-2			Seelinger

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Task	Description	Priority	Expected Completion	Status	Task Coord.
14.	Obtain MEC approval and WR's (Tie in approval only.)			Need ECM's 036, 041, 052, 056, 055, 065, 069, 075, 077	Porter/ Faulkner/ Seelinger
15.	Verify vacuum degasser operation.				Miller/Logan/ Shift Supt.
16.	Need 1000 psig, 1/2 gpm hydro pump.			On order	Shovlin

Plant Modifications

Task	Description	Priority	Expected Completion	Status	Task Coord.
WG-2 (L-1)	Decon. water in AB using CAP-GUN "2" (EPICOR).	A-1	Operational by 4/27	MCC available 4/20	Cobean
WG-6 (L-2)	Install storage vessels in Fuel Pool "A".	A-1	Installation comp. 4/23	(2) tanks set; piping. ECM's 4/21	Cobean/ Gunn
TS-4	Develop complete package for measuring water level inside Reactor Building.	A-2	Heise Gauges instal. 4/12	Do not open DH-V6B until approved.	DeVine/ Cobean/ Herbein
WG-1	Install AB/FHB Filter System.	A-2	Installation comp. 4/26	Equip. avail. 4/22	Gunn
TS-13	Install and complete turnover package of electrical heaters in supply side of Aux. Bldg.	A-2	To be scheduled		Gunn
TS-3A	Develop complete package for short-term cooling of "A" OTSG.	C-1	Installation comp. 5/3	Options being evaluated. Equip. avail. 4/20.	Wilson/ Cobean
TS-10	Decide location design/ install 2-2500 kW diesel generators - check shipping damage - vendor. Run diesel, fill fuel system.	C-1	Installation comp. 4/20	Equipment delivered	Cobean/ Gunn/ Toole
TS-3C	Develop complete package for long-term cooling of OTSG "B".	C-1	Revised schedule by 4/19		Wilson/ Cobean
TS-11	Develop electrical distribution system. Install cabling and switchgear from DG's to current EOP loads requiring loss of off-site power protection.	C-1	Installation comp. 4/20	Equipment delivered	Cobean
TS-6	RC loop passive and active pressure control system.	C-2	Installation comp. 5/2	Reviewing schedule	
TS-6B	Design/Install makeup system for RCS.	C-2		Conceptual design change. Impacts schedule. To be revised.	
TS-6C	Evaluate let down capabilities for RCS modification.	C-2		To be scheduled	

Task	Description	Priority	Expected Completion	Status	Task Coord.
TS-14	Shield for decay heat pump.	C-2	Installation to be scheduled	Equip. avail. 4/16	Wilson
WG-16	Provide cap for Aux. Bldg. vent stack.		Installation comp. 4/26	Equip. avail. 4/22	Gunn
WG-10	Cross connect AB filtration to RB cleanup system filters.				

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Waste Management Group

Task	Description	Priority	Expected Completion	Status	Task Coord.
G-5	Set-up to change AB/FH Bldg. vent. filters - next will be FH Bldg. filter "A".	A-1	FHB "A" train 4/22 FHB "B" train 4/28 AB "B" train 4/25	90 of 90 filters replaced.	Shovlin/ Futril/ Bitel
L-5	Caustic spraying of Aux. Bldg. areas and sump.	A-1		Continue adding to sump. Stop spraying - get direction from team.	Kraft/ Seelinger
L-25	B&R assess AB and FHB ventilation system flows without the supply fans running. (For iodine release calc.)	A-1	Completed	Information received from B&R 4/16	Williams
L-33	Develop plan for tying in tank farm to CAP-GUN "2".	A-1		In progress. Investigating secondary tie to tank farm.	Snyder
G-31 (WG-9)	Determine air flow paths in AB & FHB	A-1		In progress	Itschner Robison

Technical Support

Task	Description	Priority	Expected Completion	Status	Task Coord.
TM-30	Determine what B.O.P. loads need backup elec. power.	C-1		Criteria issued 4/13	Capodanno
LS-2	Tech. Spec. deletions, changes, and additions for long-term cooling.	C-1	5/1	Issue 5/1/79	Harding
AA-9	Recommendation for end point of degas mode.	C-1	4/20	Issue 4/20	Crimmans
TM-32	Review with B&R work on DHR system modification.	C-1	4/22	Issue 4/18	Capodanno
TM-35	Establish long-term plant instrumentation requirements.	C-1	4/18	Issue 4/18	Chisholm
TM-11b	Closed cooling system for OTSG "B" - long-term, high press. criteria.	C-1	4/19	Revised criteria	
TM-22a	Closed cooling system for OTSG "A" - short-term, low press. criteria.	C-1	4/19	Reviewing criteria document (TSGOIS)	Capodanno
AA-61	Updated safety analysis report (B&W)	C-1	4/23	Revised report	B&W
AA-73	Provide plan for actions in event of primary flow degeneration.		4/19	Plan	

WESTINGHOUSE

Task	Description	Priority	Expected Completion	Status	Task Coord.	Note
I.B.1.	Decontaminate for DHR Sys. checkout	C-1	4/20 4/27	DH Vaults DH Valve Room	Siano "	1
I.B.2.	Install Aux. Bldg. T.V. Monitor for existing DHR system	C-1	4/21	In progress	"	2
I.B.4.	Install DHR remote operation equipment	C-1		After decon.	"	
I.B.5.	DHR flow/pressure tests	C-1		After decon.	"	
II.A.1.	ADHR (new) system design and approval	C-1	4/24	Ongoing	"	3
II.A.1.	ADHR final test procedure	C-1		Ongoing	"	
II.A.1.	Final ADHR installation procedure	C-1	4/24	Ongoing	"	4
II.A.2.	ADHR procurement	C-1	4/27	Ongoing	"	
II.B.	ADHR installation	C-1		No status	"	5
	Licensing Report	C-1	4/20	Ongoing	"	

- NOTES:
- (1) DG Room completed 4/18 (concrete still leaching).
 - (2) Final camera installation after Aux. Building decontamination.
 - (3) Electrical design complete 4/19; DHR skid design complete 4/19; general arrangement drawing rescheduled to 4/24.
 - (4) ECM 3475-109 for interior piping submitted 4/19.
 - (5) Exploratory excavation revealed thus far: 2 service pipes and crane pad.

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Industry Advisory Group

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Determine method of finding leak in vent header	1+		ASAP	H. Lawborski
2.	Provide recommendation for alternate methods of P/V control	1		In progress	Ackerman
11.	Instrument diagnostics	1		Continuous	Ackerman
16.	Put all TC (Reactor) on Recorders	1		In progress	Ackerman
17.	On-line monitoring of boron and gasses	1		In progress	Ackerman
18.	Risks/Advantages of going to Natural Circulation as is vs. Present Plan	1		In typing	Paddlefor
21.	Design tree for natural circulation	1	Completed 4/19	Completed 4/19; See close-out memo I.A.-21	Koler
10.	Reflux Boiler				
	a. Non-Condensable	2	Completed 4/18	Completed 4/18;	Muench
	c. Modes of Operation		Completed 4/18	See close-out memos I.A.-10a, I.A.-10c.	
12.	Specifications for Reflux Boiler Test				
	a. Feasibility	2		In typing	Fornandoz
	b. Specific parameter	2		In typing	Fornandoz
13.	Water Level/Reactor P/V				
	a. Short-term	2		In progress	Ackerman
	b. Long-term	2		In progress	Ackerman
14.	Model for boron/gas in primary system	2		Being written	Koler
19.	Time to core melt with no external cooling and removal through flooding of containment	2		Not started	Fornandoz
22.	Plant Mcd - piping and equipment	2		In progress	Lawborski
20.	Evaluate various alternatives to decontaminate plant; long-term	3		Not started	Lawborski