

PLANNING MEETING

0900 4/17/79

1. Review "Top Priorities" list.
2. Review Action Items from 4/16/79 Technical Review Meeting.
3. Review "0800, April 17, 1979 Tasks Lists."
4. Review Schedules.

2006 030

Top Priorities

1. Complete evaluation of alternatives to base plan (i.e., "A" OTSG solid first).
2. Complete evaluation of schedules for OTSG "B" long term vs. short term.
3. Complete evaluation of IAG assessment of Westinghouse Decay Heat Removal System (i.e., constructing interior bunker enclosure).
4. Change out charcoal filters in one 50% train in Fuel Handling Building.  
Status: Work scheduled to start following completion of changing out Auxiliary Building Filters.
5. Decay Heat Removal System.  
Status: Decontamination to start 4/17/79. Indust. cooler duct to be relocated.
6. Nitrogen pressurized tank P/V control system.  
Status: Flow diagram schedules are being reviewed by GPU and NRC. Estimated installation date has been changed from 4/22/79 to 5/02/79.
7. Install and place in service the alternate pressurizer level indicating system.  
Status: System installed, changing recorder range.
8. Install and check out air ejector condenser filters.  
Status: Controls are set; ready for operation.
9. Check out charcoal filters in one 50% train in Auxiliary Building.  
Status: 22 filters removed. 20 installed. Elevator repair awaiting shaft water removal.
10. Install liquid waste tank farms in spent fuel pool "A".  
Status: Work in progress. No tanks set @ 0500, 4/17.
11. Containment sump level measurement instrumentation.  
Status: Operational/installation procedures are prepared and approved. In operation. Readings questionable.

Started permit 12 PM

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# AGENDA

## Task Management/Schedule

0900 4/17/79

1. Status iodine trend. *6.7 x 10<sup>-5</sup> day release Iodine pressure?*
2. Status pressurizer Heise Gauge and transmitter benchmarking.
3. Status leak testing across DH-V6B.
4. Status evaluation of alternate steam dump paths.
5. Status equipment procurement for core exit thermocouple readouts. *6 mm, 12 mm, 30 mm.*
6. Status Auxiliary Building filter change out effort
  - a. Progress -
  - b. Repairs to tanks -
  - c. Air supply source -
  - d. Elevator *Station*
7. Status Westinghouse decontamination efforts. *AIR Supplies*
8. Status effort to use nuclear service river water system vs. secondary service closed cooling water system.
9. Status CAP-Gun effort.
10. Status condition of MU-V-13.

- Water mound status
- Make up tank cut into Haden? Long Run - V-6 to Haden?
- O<sub>2</sub> in air cond? How much?
- Boreon measured?

- Series filters?
- Reduced leakage thru filter by work 20 in }
- Level calibration not good.
- Resin water pumps 1 & 3?
- Condenser vacuum / boiler feed pump prob.
- Solid A
- Electric motor vs 219 2006 032
- MRC test 3 filters *John Collins* new  
existing  
normal
- MRC air compressors - *Master*

ACTION ITEMS

## Technical Review Meeting

1800 4/16/79

Action

- |   |               |
|---|---------------|
| 1. Send #2 Primary Sample (of 4/15/79) to B&W for analysis.   | Herbein/NRC   |
| 2. Environmental monitoring for Iodine will be concentrated in fallout area during next 2-3 days.   | Herbein       |
| 3. Continue efforts to return auxiliary building elevator to service.   | Herbein       |
| 4. Continue effort to return 3 air cylinders to service.  | Herbein       |
| 5. Complete efforts to correlate pressurizer level to pressurizer pressure at steam and water sample points.  | Herbein       |
| 6. Continue to degas 15 minutes every 24 hours.   | Herbein       |
| 7. Unless otherwise directed secure primary samples until 4/18/79. On 4/18/79 samples requirements will be re-established.  | Herbein       |
| 8. Evaluate possibility of charging degassed water into the primary system.   | Herbein       |
| 9. Place air ejector condenser filter in bypass following filter S.U. and test program.   | Herbein       |
| 10. Investigate methods of increasing pH in "B" generator.  | Herbein       |
| 11. Investigate possible water chemistry control systems for steam generators.  | Wilson        |
| 12. Investigate alternate secondary heat removal paths.   | Wilson        |
| 13. Locate possible sources of water collection in "A" generator steam line and drain off water if drain available.   | Herbein       |
| 14. Suspend activities on design of short-term "B" cooling system.  | Wilson/Cobein |
| 15. Continue evaluation of using nuclear service river water system vs. secondary service closed cooling water system.  | Wilson/Cobein |
| 16. Following completion of engineering activities allied with auxiliary building roof filters - start design activities that will provide a future capability to cross connect Auxiliary Building Filtration System to Reactor Building clean-up system filters. | Cobein        |
| 17. Provide reliability data on DHR System.   | B&W           |
| 18. Provide to Westinghouse data for alternate DHR System shielding calculations.   | Wilson        |

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	<u>Action</u>
19. Referring to alternate DHR System	
a. Evaluate design requirements for system enclosure building.	Wilson
b. Commence design, fabrication and installation of "Bubble" at piping exits from auxiliary building.	Cobein
c. System will have two (02) valve isolation.	Cobein
20. Use nuclear instrumentation compensated-ion chambers as a means to "continually" measure reactor vessel level. Core activities will be monitored with BF <sub>3</sub> startup detectors.	Herbein
21. Investigate feasibility of lowering operating voltage on DHV-2 as a means to reduce rate of operator deterioration.	Cobein
22. Continue Iodine monitoring by counting activity on Zeolite cartridge.	Herbein

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Plant Operation Staff

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Due Date</u>	<u>Task Coord.</u>
1.	Obtain RCS pressurized samples. (Train people to take samples.)	1	On Hold	Thorpe/Hetrick Shift Supt.
2.	Pressurizer Heise and diff. press. Revise procedure to provide proper sequence.	1	Lines Hydro'd	Porter/ Shift Supt.
3.	Sample MU tank gas space.	1		DeVine/Hetrick
4.	Reduction of RCS temp. to 230°	1	On Hold	DeVine
5.	Monitor OTSB "B" P/V for leakage		On going	Porter/ Shift Supt.
6.	Boron concentration in RCS calculation	1	2134 PPM, 4/16	Broughton/ Shift Supt.
7.	Put thermocouples on recorder system - Incore System. Need amplifiers (30) - need 48 bridges.	1	48 on recorder procure equip. by 4/17	Adelman
8.	Verify readings on Vac. pump ejector VAR-R-748	1	Last reading: 500 cpm @0500	Porter
9.	PZR Level correlations Leak Rate (E.P. #21)	1	On going	Broughton
10.	Review plant requirements for operating CAP-GUN	1		Shovlin/ Toole
11.	Restore PZR Heaters 1200 kW of total 1638 avail.	2	Working	Porter
12.	Obtain MEC approval and WR's		Need ECM's 036, 037, 041, 051, 052, 056	Porter/ Faulkner
13.	Define Q.C. level on modifications being made to plant (support systems)	2		Gunn/Wright
14.	Define repair requirements of SSRW pumps		Need pump parts. Motor replaced, working repairs.	Miller/ Shovlin

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Plant Modifications

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
WG-2	Decon. water in AB using Cap-Gun ion exchange process.	1	Complete procurement 4/17; Equip. avail. 4/18; Install Comp. 4/27	Cobean
TS-3A	Develop complete package for short-term cooling of "A" OTSG.	1	Options being evaluated. Equip. avail. 4/20. Install. comp. 5/3.	Wilson/ Cobean
TS-3C	Develop complete package for long-term cooling of OTSG "B".	1	Equip. avail. 4/21. Install. comp. 5/10.	Wilson/ Cobean
TS-4	Develop complete package for measuring water level inside Reactor Building.	1	Heise Gauges Install. 4/12. Do not open DH-V6B until approved.	DeVine/ Cobean/ Herbein
TS-10	Decide location design/ install 2-2500 kW diesel generators - check shipping damage - vendor.	1	Equip. avail. 4/11. Inst. Compl. 4/20 .	Cobean/ Gunn
TS-11	Develop electrical distribution system. Install cabling and switchgear from DG's to current BOP loads requiring loss of off-site power protection.	1	Equip. avail. 4/10. Install Comp. 4/20.	Cobean
WG-6	Install storage vessels in Fuel Pool "A".	1	ECM's 4/15, Installation complete 4/20.	Cobean/ Gunn
TS-6	RC loop passive pressure control system.	1	ECM complete 4/17. Install. comp. 5/2.	
TS-6	RC loop active pressure control system.	1	Install comp. 5/2.	
TS-14	Shield for decay heat pump.	1	Equip. available 4/16 4/16. To be scheduled.	Wilson
WG-1	Install AB/FHB Filter System.	2	Develop schedule. Equip. avail. 4/19. Install. compl. 4/28.	Gunn
TS-9	Provide augmented instrument air system.	2	Hold	

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<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
TS-13	Install and complete turn-over package of electrical heaters in supply side of Aux. Bldg.	2	To Be Scheduled	Gunn
TS-6B	Design/Install makeup system for RCS	1	Equip. avail. 4/19. Instal. comp. 4/25.	
TS-6C	Evaluate let down capabilities for RES modification.	2	To Be Scheduled	
WG-16	Provide cap for Aux. Bldg. vent stack.		Equip. avail. 4/19. Instal. comp. 4/28.	Gunn

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Waste Management Group

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
C-5	Set-up to change AB/FH Bldg. vent. filters.	1	20 of 22 filters replaced. Work in progress.	Shovlin/ Futrell/ Bitel
	Decon. diesel generator building (Westinghouse)	1	Plant HP to resolve air pack issue.	Thorpe/ Siano
L-5	Consider caustic addition in sump (after wtr addition to sump).	1		Porter/ Collins
L-5	Continue caustic spraying of Aux. Bldg. Areas		On going	S. Kraft
L-25	B&R assess AB and FHB ventilation system flows without the supply fans running. (For iodine release cal..)	1	No status	Ron Williams
L-33	Develop plan for tying in tank farm to CAP-GUN "2"	1	In progress	J. Snyder
	Determine which vessels vent to vent header and their valve status.	1		Porter/ Collins
	Pump Unit #2 Waste Neut. Tanks to #1 to process in CAP-GUN #1	1		Seelinger

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Technical Support

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
C-10	Loss of PZR Heaters	1	Issued for Review Approval 4/17	Wilson
TH-30	Determine what B.O.P. loads need backup elec. power	1	Criteria issued 4/13. Under review.	Capodanno
C-15	In core thermocouples, RTDs, MU tank level, RCS flow inst.	1 2 2 2 2 2	15a Approved 15b " 15d " 15e Not Issued 15f " 15g Issue 4/17	Wilson
LS-2	Tech. Spec. Deletions, Changes, and Additions for Long Term Cooling	1	Issue 5/1/79	Harding
AA-9	Recommendation for end point of degas mode.		Issue 4/20	Crimmons
	Review filling "A" OTSG to condenser	1	On going	Wilson

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Task	Description	Priority	Status/Date Due	Task Coord.
1.	Determine method of finding leak in vent header	1+	ASAP	H. Jawborski
2.	Provide recommendation for alternative methods of P/V control	1	In progress	Ackerman
4.	Long Term heat removal	1	Completed 4/16 - See Close-out Memo I.A.-4	
11.	Instrument Diagnostics	1	Continuous	Ackerman
15.	Evaluate RHR System (WE)	1	Completed 4/15 - See Close-out Memo I.A.-15	
16.	Put all TC (Reactor) in 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 progress	Paddlefor
5.	Unit 2 Containment Building a. Cleanup options for containment atmosphere	2	In progress	Lawroski
7.	Provide Documentation of completed items	2	Ongoing	
10.	Reflux Boiler a. Non-Condensable/Water Level/RPV	2	Initiated	Muench
12.	Specifications for Reflux Boiler Test a. Feasibility b. Specific Parameter	2 2	In progress In progress	Fornandoz Fornandoz
13.	Water Level/Reactor P/V a. Short-form b. Long-form	2 2	In progress In progress	Fornandoz Fornandoz
14.	Model for boron/gas in primary system	2	In progress	Koler
19.	Time to core melt with no external cooling and removal thru flooding of containment	2	Not Started	Zebroski
9.	TMI Unit I Start-up Securing Cortonia	3	No Action	To Be Assigned
20.	Evaluate various alternatives to decontaminate plant; long-term.		Not Started	2006 040 Not Assigned

## WESTINGHOUSE

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>	<u>Note</u>
I.B.1.	Decontaminate for DHR Sys. checkout	1	D.G. Bldg. 4/17 Aux. Bldg. 4/19	Siano	1
I.B.2.	Install Aux. Bldg. T.V. monitor for existing DHR system.	1	After decon	"	2
I.B.4.	Install DHR remote operation equipment.	1	After decon.	"	
I.B.5.	DHR flow/pressure tests	1	After decon.	"	
II.A.1	ADHR (new) system design & approval.	1	ongoing	"	3
II.A.1	ADHR final test procedure	1	ongoing	"	
II.A.1.	Final ADHR installation procedure	1	ongoing	"	
II.A.2.	ADHR procurement	1	ongoing	"	
II.B.	ADHR installation	1	No status	"	

## NOTES:

- 1 Decon initiation delayed as a result of breathing apparatus situation. NRC disapproved previous approved air masks and requisitioned W air supply.
- 2 Installed and successfully tested pan/tilt/zoom T.V. camera for decon observation.
- 3 General Arrangement Dwg. rescheduled to 4/17/79.

General: Mechanical and Structural Technical Review for Licensing purposes is scheduled for 4/17/79.

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4-14 4-15 4-16 4-17 4-18 4-19 4-20 4-21 4-22 4-23 4-24 4-25 4-26

V-F CONT. VALVE RM./SUMP AREA

PRIM. SHIELDING - RECHARGE AREA

CURTAIN ENTRY APPROVAL

EXCAVATE ENTRY PIT/CONSTRUCT AIRLOCK

PIPEREC WALL

INSTALL PIPE/SUPPORTS

HYDRO

REQUIRED SKID/PANEL DELIVERY

TIE IN

SEAL BUILDING

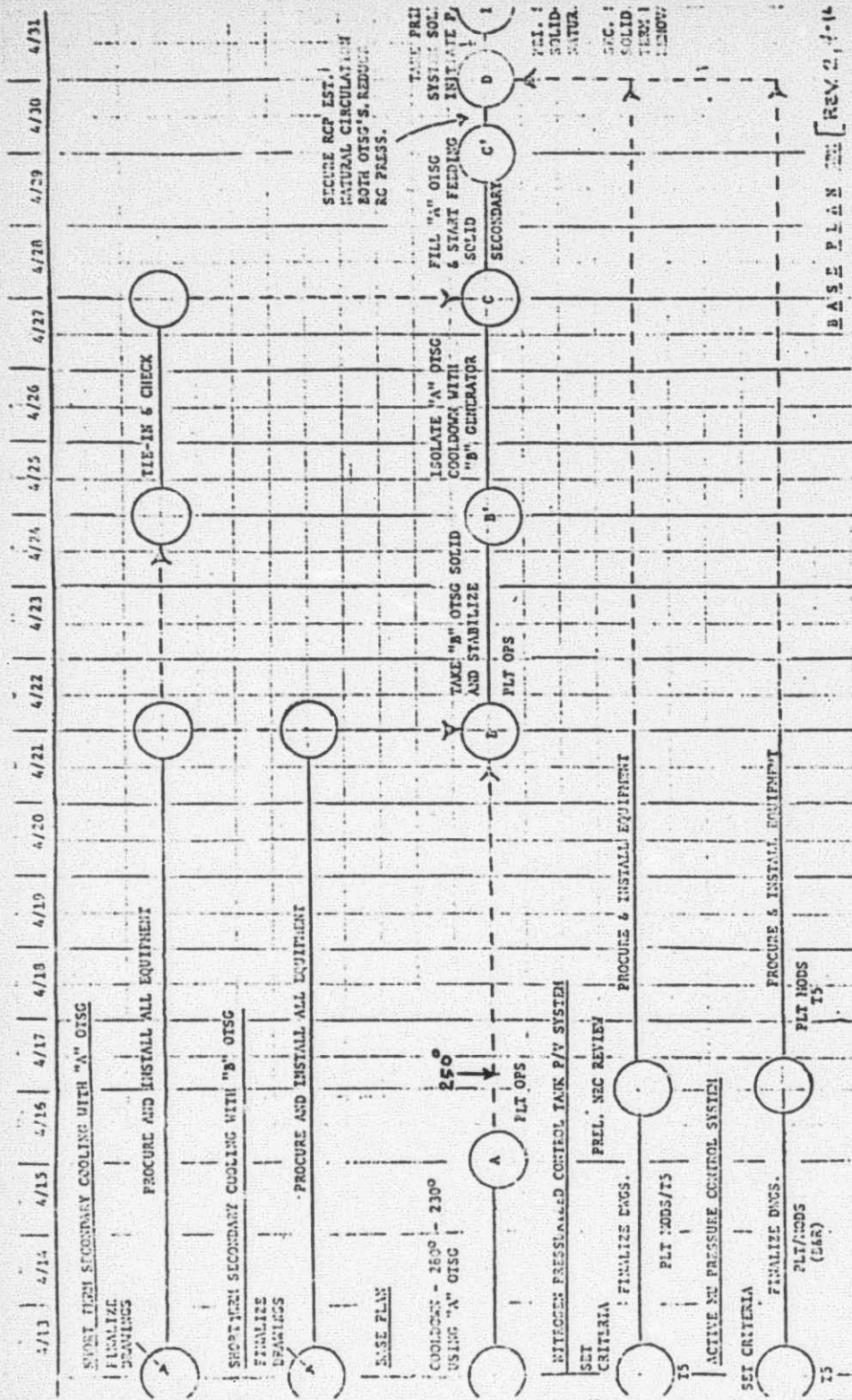
SET SKID/PANEL

MECH/ELEC HOOKUPS

PROCURE & LAY COOLING WTK PIPE/TIE TO SER. WTR

WESTINGHOUSE  
N.D.H.R.  
SCHEDULE

PRELIMINARY, 4-14-79



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