

PLANNING MEETING

0900 4/18/79

1. Agenda, 0900, 4/18/79, Task Management/Schedule Meeting
2. Review Top Priorities List
3. Review Action Items from "1800", 4/17/79 Technical Review Meeting
4. Review Tasks Lists
5. Review Schedules

2006 044

A G E N D A

TASK MANAGEMENT/SCHEDULE

0900 4/18/79

1. Base Plan revision and status:
 - OTSG "B" Long Term
 - OTSG "A" Short Term
2. Status of design package for independent evaluation of Auxiliary Building and Reactor Building Filtration Systems
3. Update of Gas Release and Water Management Plans
4. Determination of point where action might be required due to O₂ concentration
5. Opening of Turbine Admission Valves
6. Status of Auxiliary Building filter changeout
7. Status of Pressurizer Level Measurement
8. Status of Sump Level Measurement
9. Status of decontamination efforts - Westinghouse

2006 045

TOP PRIORITIES

1. Complete evaluation of schedules for OTSG "B" long term vs. short term.
Status: Schedules to be revised.
2. Complete evaluation of alternatives to base plan (i.e., "A" OTSG solid first).
Status: Schedules to be assigned.
3. Replace 90 charcoal filters in one 50% train in Auxiliary Building ventilation system.
Status: 50 filters replaced. Elevator repair awaiting shaft water removal.
4. Design, fabricate and install cross tie between Auxiliary Building Filtration System and Reactor Building Filtration System.
Status: Design and schedule to undergo independent review.
5. Install liquid waste tanks in spent fuel pool "A".
Status: Six (06) tanks available.
6. Installation of Cap-Gun System.
Status: HVAC plenum set on pad. Caccooning complete by 4/18.
7. Decay Heat Removal System.
Status: Decontamination started. Upper level complete. Working lower level.

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ACTION ITEMS

Technical Review Meeting

1800 4/17/79

	<u>Action</u>
1. Redesign the alternate pressurizer level measurement system based upon the use of accumulators.	Wilson
2. Provide a pump that can fill reference legs of alternate pressurizer level measurement system at a faster rate.	Herbein
3. Evaluate the possibility of obtaining pressurizer level information using pressurizer heaters and heat balance.	Wilson
4. Continue efforts to replace Auxiliary Building vent system filters. Filters are replaced - target for completion (90 filters) 2400 4/18/79.	Herbein
5. Review data from containment sump level measurement.	Herbein
6. Provide design package for independent evaluation for ventilator cross-over (Auxiliary Building to Reactor Building).	Cobean
7. Turbine auxiliaries will be in service during periods of dumping steam through turbine. Turbine to be prepared for dumping steam.	Herbein
8. Referring to water-to-water cooling of OSTC "B", proceed with B&R concept. Review schedule for areas of improvement.	Cobean
9. Continue effort to record all in-core T/C readouts.	Herbein
10. Alternate DHR System design is to proceed in accordance with original Westinghouse design. Design is to include Iso valves outside and "Blister" inside the Auxiliary Building.	Cobean
11. Westinghouse is to attend future Technical Review Meetings.	Cobean
12. Technical Review Meeting of 4/18/79 will discuss the IAG comments on the Alternate Decay Heat Removal System.	All
13. Order one (01) replacement auxiliary boiler feed pump plus spare oil pump.	Herbein
14. Obtain by 2400 on 4/18/79 350 cu. ft./min. breathing air supply compressors, manifolds and other supporting equipment.	Rusche

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.	1	On Hold	Thorpe/Hetrick Shift Supt.
2.	Pressurizer Heise and diff. press. Revise procedure to provide proper sequence.	1	Recalibrating	DeVine
3.	Reduction of RCS temp. to 230°	1	On Hold	DeVine
4.	Monitor OTSG "B" P/V for leakage		Ongoing 20 gallons per day	Porter/ Shift Supt.
5.	Boron concentration in RCS calculation	1	2949 @ 2200, 4/17	Broughton/ Shift Supt.
6.	Put thermocouples on recorder system - Incore System. Need amplifiers (30) - need 48 bridges.	1	12 On recorder procure equip. by 4/20	Ackerman/Weaver
7.	Verify readings on Vac. pump ejector VAR-R-748	1	Last reading: 400 cpm @0500, 4/18	Porter
8.	PZR Level correlations Leak Rate (E.P. #21)	1	Ongoing 20 gallons per day	Broughton
9.	Restore PZR Heaters. 1200 kW of total 1638 avail.	2	Working	Porter
10.	Obtain MEC approval and WR's (Tie in approval only.)		Need ECM's 036, 037, 041, 051, 052, 056	Porter/ Faulkner/ Seelinger
11.	Define Q.C. level on modifications being made to plant (support systems).	2		Gunn/Wright
12.	SSRW pump repairs	1	A. In service B. Parts 5/20 C. Parts 5/20	Miller/Shovlin
13.	Aux. Boiler Feed Pumps	1	1A and 1B are operating, 1B with oil leak (1B parts by 4/20)	

Plant Operation Staff

(Continued)

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Due Date</u>	<u>Task Coord.</u>
14.	Addition of H ₂ , Hydrazine, to RCS.			B&W/Rogers
15.	Pump out Aux. Bldg. elevator shaft.			Waste Mgmt.
16.	Verify degasser operation.			Miller/ Shift Supt.

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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; Instal. comp. 4/27	Cobean
TS-3A	Develop complete package for short-term cooling of "A" OTSG.	1	Options being evaluated. Equip. avail. 4/20. Instal. comp. 5/3.	Wilson/ Cobean
TS-3C	Develop complete package for long-term cooling of OTSG "B".	1	Equip. avail. 4/21. Instal. comp. 5/10.	Wilson/ Cobean
TS-4	Develop complete package for measuring water level inside Reactor Building.	1	Heise Gauges instal. 4/12. Do not open DH-V6B until approved.	DeVine/ Cobean/ Herbein
TS-9	Provide augmented instrument air system.	2	Hold	
TS-10	Decide location design/install 2-2500 kW diesel generators - check shipping damage - vendor. Run diesel, fill fuel system.	1	Equip. avail. 4/11. Instal. comp. 4/20.	Cobean/ Gunn/ Toole
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. Instal. comp. 4/20.	Cobean
WG-6	Install storage vessels in Fuel Pool "A".	1	ECM's 4/15, instal. comp. 4/21.	Cobean/ Gunn
TS-6	RC loop passive pressure control system.	1	ECM complete 4/17. Instal. comp. 5/2.	
WG-1	Install AB/FHB Filter System.	2	Develop schedule. Equip. avail. 4/19. Instal. comp. 4/28.	Gunn
TS-13	Install and complete turn-over package of electrical heaters in supply side of Aux. Bldg.	2	To be scheduled	Gunn

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Plant Modifications
(Continued)

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
TS-6B	Design/Install makeup system for RCS	1	Conceptual design change. Impact to be reviewed.	
TS-6C	Evaluate let down capabilities for RES modification.	2	To be scheduled.	
TS-14	Shield for decay heat pump.	1	Equip. avail. 4/16. Installation to be scheduled.	Wilson
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>
G-5	Set-up to change AB/FH Bldg. vent. filters.	1	50 of 90 filters replaced. Work in progress.	Shovlin/ Futrill/ Bitel
	Look at preventing recirc. flow out of fan housing.	1		Poje/ McConnel
L-6	Develop moving plan for Reactor Bldg. Dump in Aux. Bldg.	1	In progress	Kraft/Ross
L-5	Caustic spraying of Aux. Bldg. areas and sump		Ongoing	Kraft/ Porter/ Collins
L-25	B&R assess AB and FHB ventilation system flows without the supply fans running. (For iodine release calc.)	1	Request issued to B&R	Williams
L-33	Develop plan for tying in tank farm to CAP-GUN "2"	1	In progress	Snyder
L-8	Establish and verify flow paths for transfer of wtr; Unit #1 to Unit #2.	1	Transferring from Unit #2 to Unit #1 Neut. Tanks	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>
TM-30	Determine what B.O.P. loads need backup elec. power	1	Criteria issued 4/13. Under review.	Capodanno
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
TM-32	Review with B&R work on DHR system modification	1	Issue 4/18	Capodanno
TM-35	Establish long-term plant instrumentation requirements	1	Issue 4/18	Chisholm

2006 053

WORLD HOUSE

<u>k</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>	<u>Note</u>
1.	Decontaminate for DHR Sys. checkout	1	D.G. Bldg. 4/17 Aux. Bldg. 4/19	Siano	1
2.	Install Aux. Bldg. T.V. monitor for existing DHR system.	1	In progress 4/21	"	5
4.	Install DHR remote operation equipment.	1	After decon.	"	
5.	DHR flow/pressure tests	1	After decon.	"	
1	ADHR (new) system design & approval.	1	ongoing	"	2
	ADHR final test procedure	1	ongoing	"	
	Final ADHR installation procedure	1	ongoing	"	
	ADHR procurement	1	ongoing	"	
	ADHR installation	1	No status	"	3
	Licensing Report	1	In progress/ 4/20	"	4
1	DG Room upper level completed 4/16; Lower level in progress 4/17				
2.	General Arrangement drawing rescheduled to 4/19/79				
3.	Started exploratory hole 2000 4/16 to ascertain piping locations				
4	Mechanical and Structural Tech. Review complete 4/17 except for supports meeting				
5.	Second camera to be installed night 4/17; final camera installation dependent on Aux Building decontamination				

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Task	Description	Priority	Status/Date Due	Task Coord.
1.	Determine method of finding leak in vent header	1+	ASAP	H. Lawborski
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	Not Assigned

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Date	Task
4-14	DECONT. VALVE RM./SUMP AREA
4-15	PERM. SHIELDING - REACH RD AREA
4-16	
4-17	
4-18	OBTAIN EMERGENCY APPROVAL
4-19	PIERCE WALL
4-20	EXCAVATE EMERGENCY PIT/CONSTRUCT AIRLOCK
4-21	INSTALL PIPE/SUPPORTS
4-22	HYDRIC
4-23	TIE-IN
4-24	SEAL BUILDING
4-25	REQUIRED SKID/PANEL DELIVERY
4-26	SET SKID/PANEL
	MESH/ELEC HOOKUPS
	PROCURE & LAY COOLING WTR PIPE/TIE TO SEN. WTR.

WESTINGHOUSE
AD. H.R.
SCHEDULE

PRELIMINARY, 4-14-79

4/13 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 4/27 4/28 4/29 4/30 4/31 5

SHORT TERM SECONDARY COOLING WITH "A" OTSG

FINALIZE DRAWINGS

PROCURE AND INSTALL ALL EQUIPMENT

TIE-IN & CHECK

SHORT TERM SECONDARY COOLING WITH "B" OTSG

FINALIZE DRAWINGS

PROCURE AND INSTALL ALL EQUIPMENT

BASE PLAN

COOLDOWN - 260° - 230° USING "A" OTSG

TAKE "B" OTSG SOLID AND STABILIZE

ISOLATE "A" OTSG COOLDOWN WITH "B" GENERATOR

FILL "A" OTSG & START FEEDING SOLID

TAKE PRIMARY SYSTEM SOLID. INITIATE P/V CR

SECURE RCP EST. NATURAL CIRCULATION BOTH OTSG'S. REDUCE RC PRESS.

PLT OPS

PLT OPS

SECONDARY

PRI. SYST. SOLID-IN NATUR. CIRC

SEC. SYST. SOLID.-LC: TERM HEAT REMOVAL.

NITROGEN PRESSURIZED CONTROL TANK P/V SYSTEM

SET CRITERIA

PREL. NAC REVIEW

PROCURE & INSTALL EQUIPMENT

FINALIZE ENGS.

PLT MODS/TS

ACTIVE NUC PRESSURE CONTROL SYSTEM

SET CRITERIA

FINALIZE ENGS.

PROCURE & INSTALL EQUIPMENT

PLT MODS (D&R)

PLT MODS TS

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