

Stello

PLANNING MEETING

0900 4/16/79

1. Review "Top Priorities" list.
2. Review Action Items from 4/15/79 Technical Review Meeting.
3. Review "0800, April 16, 1979 Tasks Lists."
4. Review Schedules.

N<sub>2</sub> O<sub>2</sub> (H)

C-1000

*Kiss' Balance*  
*Boris*  
*CAS*

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. Install and place in service the alternate pressurizer level indicating system.

Status: System installed, checkout in progress. Need to hydro new lines.

5. Install and checkout air ejector condenser filters.

Status: System modification complete, operational checkout in progress. I & C to set controls.

6. Check out charcoal filters in one 50% train in Auxiliary Building.

Status: 20 filters removed. Awaiting hoist installation. Repairs to failed air line.

7. 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.

8. Install liquid waste tank farms in spent fuel pool "A".

Status: Steel for fuel pool "A" racks delivered 4/12/79; all six (06) tanks are available. Efforts to remove interferences to tank installation in progress.

9. Decay Heat Removal System.

Status: Decontamination to start 4/16/79. Indust. cooler duct to be relocated.

10. 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.

11. Containment sump level measurement instrumentation.

Status: Operational/installation procedures are prepared and awaiting NRC approval. Gauges installed.

4/15/79

ACTION ITEMS

Task Mangement/Schedule

0900 4/15/79

Action

1. Iodine release rates are source of concern.  
Determine source; possibilities:  
  - a) Dry out of Auxiliary Building wetted surfaces
  - b) OTSG "B" atmospheric steam dump valve leakage
  - c) condenser air ejector
  - d) Auxiliary Building filter changes
2. Condenser air ejector filters should be cut in only if releases are indicated.
3. Monitor OTSG "B" pressure/level for signs of leakage.  
Report results 0900, April 16, 1979. At 1800, April 15, 1979 report results of most recent secondary side iodine analysis.  
Review current status of secondary chemistry.
4. Continue caustic spray of Auxiliary Building areas.
5. Establish alarm set-point on stack monitors.
6. Re-install Heise Gauge and  $\Delta$  P transmitter in area outside sample room.
7. Establish fluid temperature to be assumed for measurement of containment sump level.
8. Evaluate schedules for both short-term (low pressure) and long-term (high pressure) OTSG "B" secondary systems. Recommend course of action.
9. Evaluate alternatives to Base Plan (e.g., take "A" steam generator solid first).
10. Complete evaluation of proposed alternate DHR System. Recommend course of action.
11. Complete process of putting core exit thermocouples on recorders.
12. Assign BSW personnel to B&R trailers to improve communications.

Herbein

Herbein

Herbein

Herbein

Herbein

Herbein

Wilson

Cobean

Wilson

IAG/NRC  
Cobean

Herbein

Kulynich/  
Cobean

ACTION ITEMS

Technical Review Meeting  
1800 4/15/79

	<u>Action</u>
1. Eberline Monitor (R222)	
a) Post trend plot of stack effluents (R222)	Herbein
b) Determine availability of alarm	Herbein
2. Determine sources of increase in stack effluents	Herbein
3. Plant operations to coordinate off-site survey needs with NRC.	Herbein
4. NRC to status NRC (I & E) assessment of replacement air compressor acceptability.	NRC
5. Determine possibility of inter-tying Reactor Building cleanup recirculation filters to the Auxiliary Building filtration system.	Cobean
6. Continue activities to obtain 2nd pressurized sample.	Herbein
7. Air Ejector Condenser Filtration Unit	
a) Route drainage into solution of sodium thiosulfate.	Herbein
b) Check operation status (i.e. in service or bypassed).	Herbein
8. Check feasibility of dumping steam to turbine	Herbein
9. Provide results of "B" steam generator chemistry.	Herbein
10. Provide comments on IAG recommendation of maintaining integrity of the Auxiliary Building by constructing interior bunker enclosure.	Herbein/ Cobean/ Wilson
11. Remove and replace the Auxiliary Building Filters on a 1 to 1 basis.	Herbein
12. Cooldown Systems (Base Plan)	
a) Evaluate short term "A" generator cooling modification to determine if means to facilitate system design and installation are available.	Wilson
b) Review and "walk" through installed cooling piping to understand piping layout, valves, etc., long term "B" side generator flow path. Assure that nothing on modification drawings is overlooked.	Wilson/ Cobean/ Herbein
c) Evaluate the possibility of dropping the short term cooling modification and proceeding only on the long term cooling modification (i.e., revise base plan). Be prepared to discuss at 0900 on 4/16/79.	Wilson/ Cobean/ Herbein
d) Evaluate possibility of using <u>W</u> method of making pipe attachment with <u>weld-o-let</u> in feed line cross tie.	Cobean

## 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	Sample #2 B & W B&W enter bldg 0500	Thorpe/ Shift Supt.
2.	Pressurizer Heise and A p xmitter	1	Hydro new lines	Porter/ Shift Supt.
3.	Sample MU tank gas space sample	1	Change diaphragm on MU tank vent	Devine
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	2145 PPM 0300, 4/16	Broughton/ Shift Supt.
7.	Put thermocouples on recorder system	1	4B on recorder procure equip. 4/16	Ackerman
8.	Iodine Sample Analysis	1	Obtain OTSB "B" 4/15	Thorpe
9.	Verify readings on Vac. pump ejector VAR-R-74E	1	Last reading: 500 CPM	Porter
10.	PZR Level correlations Leak Rate (E.P. #21)	1	On going	Broughton
11.	Review plant requirements for operating CAP-GUNN	1		Showlin/ Toole
12.	Restore PZR Heaters 1584 kW of total 1638 avail.	2	Working	Porter
13.	Obtain MEC approval and NR's		Need ECM's 036, 037, 041, 051, 052, 056.	Porter/ Faulkner
14.	Define Q.C. level on modifications being made to plant (support systems)	2		Gunn/ Wright

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"	1	Options being evaluated. Equip. avail 4/20. Install. comp. 5/3.	Wilson/ Cobean
TS-3B	Develop complete package for short-term cooling of "B" OTSG	1	Options being evaluated. Equip. avail 4/21. Install comp. 5/3.	Wilson/ Cobean
TS-3C	Develop complete package for long-term cooling of S.G. "B"	2 To Be Sched.	To Be Scheduled	
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	1	Equip. avail. 4/11 Inst. Complt. 4/20	Cobean
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/ Gun
WG-8	Install roll-up door airlock to Fuel Handling Bldg.	1	Cancelled 4/15	Wilson
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 To Be Scheduled	Wilson

Plant Modifications

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
WG-1	Install AB/FHB Filter System	2	Do not Schedule Cancelled	Bachofer
TS-9	Provide augmented instrument air system	2	Complete 4/13	
WG-3	Vent stack monitor HPR-219	2	Need to establish alarm set point 4/15	Shift Supv./ Porter
TS-13	Install and complete turn-over package of electrical heaters in supply side of Aux. Bldg.	2	To Be Scheduled	Gunn
TS-5	Method for containment flooding with $10^6$ ft <sup>3</sup> of water	3	Need status	
TS-8	Install housing for two (2) long-term HP DHR systems	2	Design - 4/20 Install - 5/31	
	Design 1% shield wall at cond. demins	3	On hold	Wilson
TS-6B	Design/Install make up System for RES	1	Equip. avail. 4/19 Install comp. 4/25	
TS-6C	Evaluate let down capabilities for RES modification	2	To Be Scheduled	
W6-16	Provide cap for Aux Bldg vent stack			

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 (ensure zero leakage - QC to follow)	1	In progress (20) of 90 out.	Shovlin/ Futril/ Bitel
L-2	A. Design and contract high level liq. waste storage vessels using spent fuel storage pool.	1	Tank installation by 4/17. Install. complete 4/21/79	Bitel/ Cobean/ Thorpe
L-1	A. Decon. water in AB using Cap-Gun ion exchanger process - prepare chem, cln. bldg. (Cap-Gun 2)	1	HVAC Foundation is working. Monorail steel delivery on 4/18. Ready for test 4/29	Cobean/ Gunn
	B. Review Plant Requirement for running cap-gunn	1	On going	Shoulin/ Toole
	C. Evaluate shielding problems			
	Decon. diesel generator building (Westinghouse)	1	Plant HP to resolve air pack issue. Start 4/16	Thorpe/ Siand
L-5	Consider caustic addition in sump	1		Porter/ Collins
	Continue caustic spraying of Aux. Bldg. Areas		On going	S. Kraft



Waste Management

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Due Date</u>	<u>Task Coord.</u>
L-25	B & R assess AB and FHB ventilation system flows without the supply bins running. (For iodine release calc.)	1	No status	Ron Williams
L-33	Develop plan for tying in tank farm to CAP-GUN "2"	1	In progress	J. Snyder
C-4	Vent stack monitoring system HPR-219	1	Operating, Converting CPM to MC/CC	Yarbro/ Dunn
	Determine which vessels vent to vent header and their value status.	1		Porter/ Collins

Technical Support

<u>Task</u>	<u>Description</u>	<u>Status/Due Date</u>	<u>Task Coord.</u>
TM-23A	Passive RCS P/V Control System	Criteria Issued	Capodanno
TM-23B	Active RCS/P/V Control System	Criteria Issued	Capodanno
C-10	Loss of PZR Heaters	Issued for Review Approval 4/16	Wilson
C-13	Loss of PZR Vent Valves	Issued for Review Approval 4/16	Wilson
TR-30	Determine what B.O.P. loads need backup elec. power	Issued for Review 4/13	Capodanno
C-15	In core thermocouples, RTSs, MU tank level, RCS flow inst.	Expected Approval 4/17	Wilson
LS-2	Tech. Spec. Deletions, Changes, and Additions for Long Term Cooling	Issue 5/1/79	Harding
AA-9	Recommendation for end point of degas mode.	Issue 4/20	Crimmins

## 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. 4/16 Aux. Bldg. 4/18	Siano	1
I.B.2.	Install Aux. Bldg. T.V. monitor for existing DHR system	2	After decon	"	2
I.B.4.	Install DHR remote operation equipment.	1	After decon	"	
I.B.5.	ADHR flow/pressure tests	1	After decon	"	
II.A.L.d.	ADHR (new) system design & approval.	1	On going	"	3
II.A.1.f.	ADHR final test procedure/approval	1	On going	"	
II.A.1.g.	Final ADHR installation procedure and approval	1	On going	"	
II.A.2.1	ADHR skid assembly FAB and Deliver	1	On going	"	
II.B.	ADHR installation	1	Start piping 4/21 Tie-In 4/25	"	

## NOTES:

- 1 Decon initiation rescheduled for 4/16/79 following Easter Holiday for Catalytic personnel.
- 2 Started running cable from T.V. Trailer up to air lock. 4/15/79.
- 3 General Arrangement Dwg. rescheduled to 4/17/79.

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

Industry Advisory Group

<u>Task</u>	<u>Description</u>	<u>Priority</u>	<u>Status/Date Due</u>	<u>Task Coord.</u>
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	Being restudies	Thiesing
11.	Instrument Diagnostics	1	Ongoing (Continual)	Ackerman
15.	Evaluate RHR System (WE)	1	In progress	Lichtenberger
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

4-11 4-15 4-16 4-17 4-18 4-19 4-20 4-21 4-22 4-25 4-24 4-25 4-26

WESTINGHOUSE  
A.D.H.R.  
SCHEDULE

PRELIMINARY, 4-14-79

VEGET. VALVE RM / SAND AREA

PERM. SHIELDING - RECON AREA

OBTAIN ENTRY APPROVAL

EXCAVATE ENTRY PIT / CONSTRUCT AIRLOCK

PIERCE WALL

INSTALL PIPE / SUPPORTS

HYDRO

TIE-IN

SEAL BUILDING

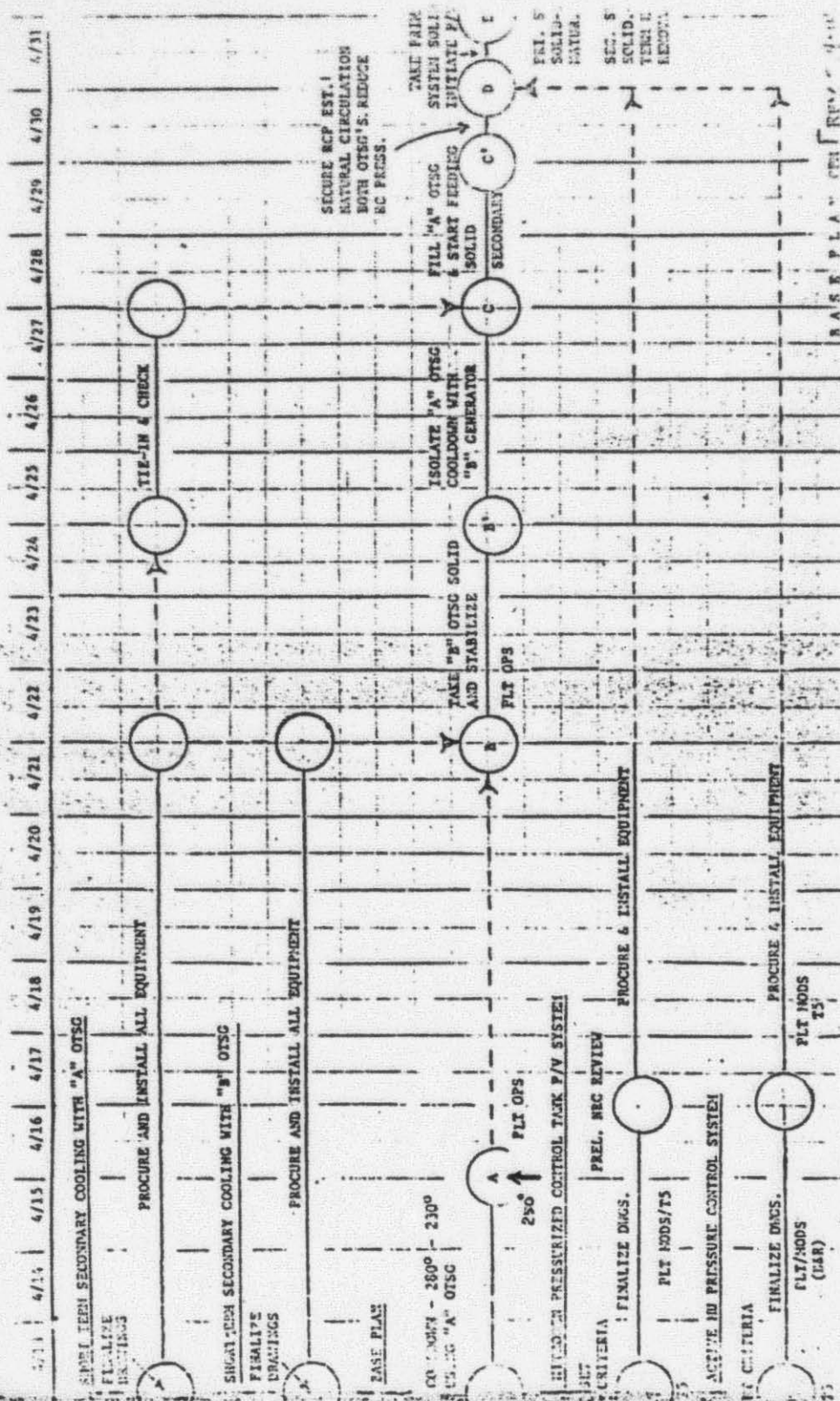
REQUIRED  
SKID / PANEL  
DELIVERY

SET SKID / PANEL

MECH / ELEC. HOOKUPS

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





BASE PLAN FOR REV. 4-11