PLANNING MEETING

0900 4/14/79

1. Review "Top Priorities" list.

2. Review Action Items from 4/13/79 Technical Review Meeting.

3. Review "0800, April 14, 1979 Tasks Lists."

250° equilibrium
with Δ SG steaming
does this give a benchmark
for the analyses?
does it suggest nat circ
from Δ ~~[illegible]~~ heat to get rid
pump heat?

0800 4/14/79

Top Priorities

✓ 1. Install filters in air ejector discharge.

Status: System is installed and testing is completed.

✓ 2. Change out charcoal filters in one 50% train in Auxiliary Building.

Status: Air supply problems delaying filter removal.

air supply tanks & compressors are undersized

bars being removed before extracting filters.

3. Change out charcoal filters in one 50% train of FH Building.

Status: Work scheduled to begin upon completion of AB filters.

4. Install liquid waste tank farm in spent fuel pool "A."

Status: Steel for fuel pool "A" racks delivered 4/12/79; tanks sent off-site for modification #4 back 4/14. Fit-up of the racks is working. May be done by 4/15.

5. Install Cap-Gun system in Chemical Cleaning Building.

Status: Cocooning of building has begun. Some problem encountered with adherence of primer. Foundations for filter system are proceeding.

6. Decay Heat Removal System.

Status: Decontamination of diesel generator room is expected to start and complete 4/14/79.

4/17 est tightening w/ tubes begins (2 days duration)

4/20 break wall

4/24 break into piping

Should we proceed with the modification or change it in view of the problem of taking Prim. Coolant out of containment

✓ 7. Nitrogen pressurized tank P/V control system.

Status: To be scheduled. 4/21 completion

✓ 8. Containment sump level measurement.

Status: Heise gauges are available. Operation/installation procedures are working.

9. Pressurized Primary Coolant Samples.

Status: The first sample was drawn at 2300 and has been shipped to Idaho. The second sample will be drawn 4/14.

10. Pressurizer Level Backup Indication.

Status: Heise Gauge and delta pressure transmitter were contaminated. Chem. Lab must be decontaminated prior to being placed in service.

Sample Room

decon

calibrate 2 gauges

2nd & 3rd pres samples

5th (unpres.) sample

1½-3 gpm leakage from primary system

Technical Group Meeting

1800 4/13/79

	Action
1. First primary sample will be available by 2100 on 4/13. Arrange transportation to Idaho.	NRC
B&W sample available 4/14. Arrange transportation.	McMillan
2. With respect to measure of containment sump water level:	
a. Provide analysis of the implications of opening DH-V-6. Should determine what lines will see high level radioactivity, orientation of valves, etc.	Harper
b. Provide analysis of instruments that are underwater and their respective qualifications.	Wilson
c. Install jog control on DH-V-6.	Herbein
d. Approve use of DH system to measure containment sump level prior to proceeding with system.	Arnold/NRC
3. Procedure has been issued for preparation and review of procedures.	
a. Develop flow diagram for handling changes.	Wilson
b. Incorporate notification of NRC at the Met-Ed/GPU support coordinator level and at the time procedure is sent to PORC and staff.	Wilson

4/13/79

ACTION ITEMS

MANAGEMENT/SCHEDULE MEETING
4/13/79

		Action
1.	Initiate RCS cooldown from 280° to 230°F at 1000 hours.	Herbein
2.	Recalibrate Heise Gauge (pressurizer level).	Herbein
3.	Restore hydrogen recombiner to service.	Herbein, Atomics International
4.	Repair airlock; begin filter removal at 1200 hours.	Harper/Herbein
5.	PROC concerns with opening DHV-6 (for containment sump level measurement) have been resolved. Consider modifing Limitorque operator to limit valve opening.	Wilson
6.	Complete procedure for taking pressurized sample. Investigate valve leakage problems (CAV-5). Priority for sample distribution: A. Idaho B. B&W C. Bettis D. Met-Ed Priority for analyses: A. Gas content B. Boron concentration C. Radio nucleides	Wilson Herbein
✓ 7.	Complete vent stack monitor installation; should be operational today.	Harper
8.	Improve efficiency of procedure writing efforts.	Wilson
9.	Upgrade of present DHR System should proceed on priority basis.	Westinghouse (Siano)
10.	Continue hold on pressurizer venting until at least 0900, April 14, 1979.	Herbein
11.	Complete accurate mass balance of primary system.	Wilson

Plant Modifications

Task	Description	Priority	Status/Date Due	Task Coord.
WG-2	Decon. water in AB using Cap-Gun ion exchange process	1	Complete procurement-4/17; Equip. avail. 4/18; Install Comp. 4/22. 14 of 22 ECM's issued.	
TS-3	Develop complete package for short-term cooling of "A" and "B" OTSG.	1	ECM by 4/15; Install Comp. "A" 4/20; "B" 4/21.	
TS-3	Develop complete package for long-term cooling of S.G. "A" and S.G. "B"	1	Schedule being developed	
TS-4	Develop complete package for measuring water level inside Reactor Building	1	Heise Gauge calibration underway.	
TS-10	Decide location design/ install 2-2500 kW diesel generators	1	Equip. avail. 4/11 Est. ready for test. 4/20	
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	
WG-6	Install storage vessels in Fuel Pool "A"	1	ECM's; 4/15, Installation; 4/20	
WG-8	Install roll-up door airlock to Fuel Handling Bldg.	1	Included w/WG-6	
1063	Condenser vacuum pump filters	1	Installation complete 4/13	
TS-6	RC loop passive pressure control system	1	ECM complete 4/17 Install. comp. 4/20	
TS-6	RC loop active pressure control system	1	To be scheduled	
TS-14	Shield for decay heat pump pits	1	ECM complete; 4/14 Install. comp. 4/17	

Plant Modifications

Task	Description	Priority	Status/Date Due	Task Coord.
WG-1	Install AB/FHB Filter System	2	Equip. avail. - 4/16, Install. comp. - 4/16	
TS-9	Provide augmented instrument air system	2	Equip. avail. - 4/14, install. comp. - 4/16	
WG-3	Vent stack monitor HPR-219 recovery system	2		
TS-13	Install and complete turnover package of electrical heaters in supply side of Aux. Bldg.	2	Sched. avail. 4/14	
TS-5	Method for containment flooding with 10^6 ft^3 of water	3	4/13	
TS-8	Install housing for two (2) long-term HP DHR systems	3	Design - 4/20 Install. - 5/31	

0800 4/14/79

Plant Operations Staff

Task	Description	Priority	Status/Date Due	Task Coord.
1	Obtain RCS pressurized samples.	1	First sample obtained 4/13; Shipped 4/14	Hetrick/ Graber/ Devine
2	Heise Gauge for 2nd press. level indicator	1	Being decontaminated	Shift Supt. Devine
3	Sample make-up tank gas space	1	Pressurization in progress 4/14	Shift Supt. Hetrick
4	Reduction of RCS temp. to 230° F.	1	Ongoing - presently at 250°	Devine/ Shift Supt.
5	Monitor RR pump operation and report any leakage	1	Ongoing	Devine/ Floyd Shovlin/ Shift Supt.
6	Emergency plan: A - Unit 1 cont. rm. B - Unit 2 cont. rm. C - Unit 2 evacuation total D - Site evacuation	2	Procedures should incl.: criteria/ who remains behind/ ops. functions prior to leaving	Crimmins
7	Restore pressurizer heaters - 1392 kW of total 1638 avail.	2	Working	Porter
8	Issue master organizational plan	2	Being developed	Colitz/ Christman
9	Check atmos. dump on OTSG "B" for leakage to M20 area or stack (1" valve has body/ bonnet leak)	2		Shift Supt. Shovlin
10	Security split Unit2/Unit 1	2		Troffer
11	Provide alternate OTSG level indication	2		Shift Supt.
12	Add Δ p probe to Heise Gauge taps for pzr. level indication	1	Being decontaminated-Chem. Lab	

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Technical Support Group

Task	Description	Priority	Status/Date Due	Task Coord.
1	Procedure for loss of OTSG heat sink	1	Issue for approval 4/15	Slear/ Cobean/ Gunn
2	Procedure for cooldown using "B" OTSG on natural circulation (solid mode)	1	Criteria 4/13	Devine/MPR
3	Develop pkg. for measuring water level inside RB - need (2) 0-10# Heise Gauges installed	2	ECM&WR being routed through approval ckt. 4/12 (S.O.P.)	Shift Supt. Cobean/ Devine
4	Technique for R_x Bldg. sump sample and procedure, if required	2		Wilson/ Devine
5	Design/install redundant for prim. plant press. cont. system	2		Wilson/ Devine/ Cobean
6	Install 1% shield wall at cond. demins.	3	On hold	Devine

Waste Management Group

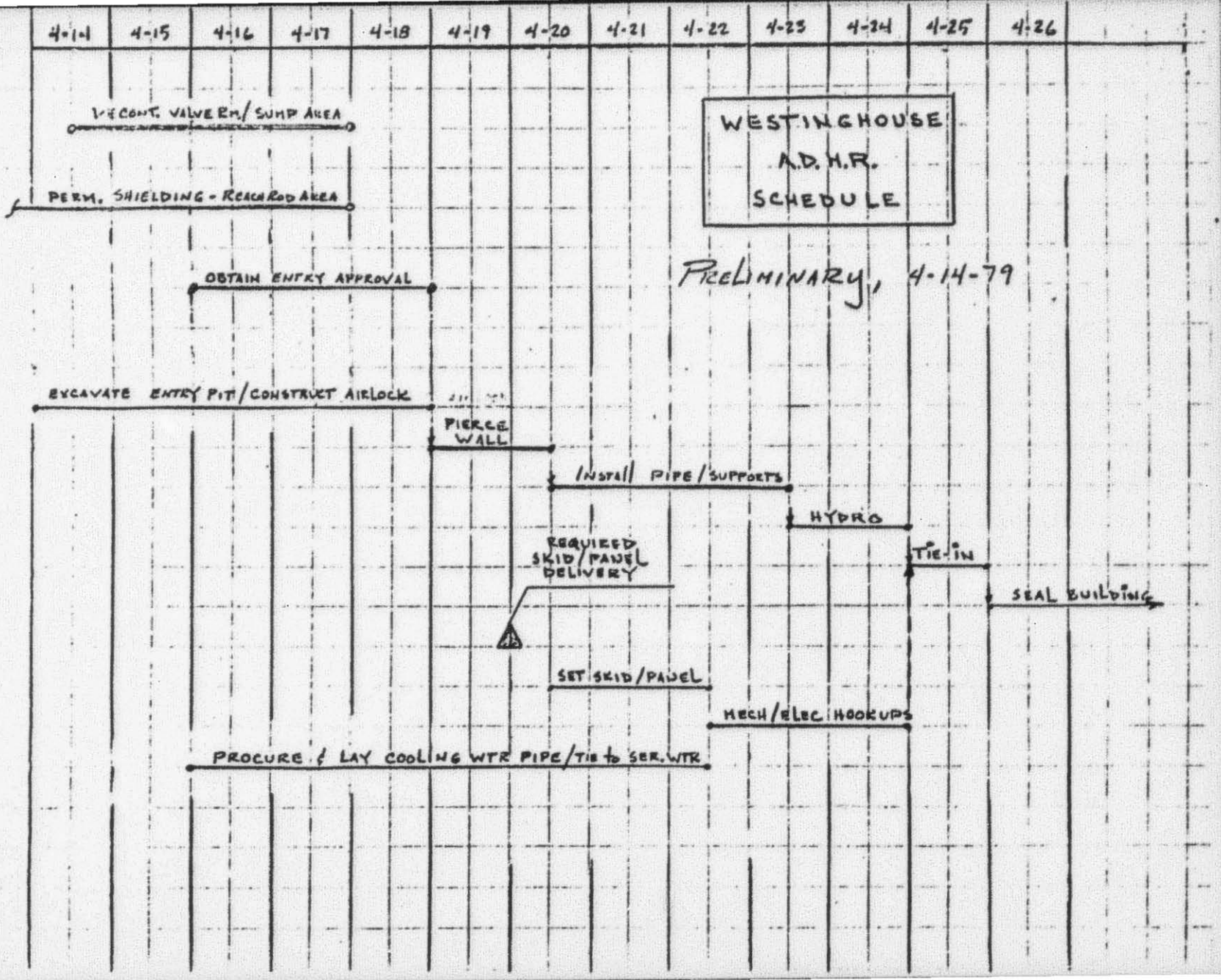
Task	Description	Priority	Status/Date Due	Task Coord.
1	Set-up to change AB/FH Bldg. vent. filters (ensure zero leakage - QC to follow)	1	In progress	Shovlin/ Futril/ Bitel
2	Vacuum pump - condenser off-gas filter system	1	Completed 4/13	Gunn/Toole
3	A. Design and construct high level liq. waste storage vessels using spent fuel storage pool	1	ECM, 032; issued ECM's, complete 4/15; installation 4/20	Bitel/ Cobean Gunn
	B. 15K gal. tanks returned to VDR. and test - total (4) req'd.	1	Last tank to be delivered 4/14	
	C. Issued MEC WR 1909 to remove pipe in pool	1	No status	
	D. Determine licensing requirements	1	No status	
4	A. Decon. water in AB using Cap-Gun ion exchanger process - prepare chem. cln. bldg. (Cap-Gun 2)	1	In operation and ready for test 4/23	Cobean/ Gunn
	B. Initiate test requirements (generic procedures)	1		Toole
5	Train/RWP const. support people	1		Troffer
6	Develop redundant AB/FH air filter system	2	Design est. 4/13 Const. complete 4/24	Cobean/ Gunn
7	Vent stack monitor HP-R219 recovery system	2	4/13	Cobean/ Gunn
8	Decon. diesel generator building (Westinghouse)	2	Estimated start 4/13	Gunn/ Bitel
9	Pump Bleed Tanks - Unit 2 to Unit 1	2	Hold pending: 1. No space avail. 2. NRC questions	Shift Supt.
10	Coordinate all water movement, radwaste system transfers in Unit 2 AB	1		Seelinger

Industry Advisory Group

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	(I.A. Group) Ackerman
3	Evaluate fire incontainment	1	In progress	Thiesing
4	Long-term heat removal	1	Being restudied	J. Thiesing
5	Current assessment of core status			
	a. From thermal-hydraulics instrument data	1	Report is written Being reviewed	Solbrig
	b. Sequence of events and core description from event understanding	1	Report is written Being reviewed	Dietrich (Lead)
6	Instrument diagnostics (reactor core instrumentation)	1	Ongoing (Continual)	Ackerman
7	Unit 2 Containment Bldg.			
	a. Possible causes of change of state		Completed - See Close-out memo IA 5A	
	b. P/T suitable for 30 days		Completed - See Close-out memo IA 5B	
	c. Cleanup options for cont. atmosphere	2	In progress	Lawroski
8	Provide documentation of completed items	2	Ongoing	
9	Reflux Boiler			
	a. Non-condensibles/ water level/RPV	2	Initiated	Muench
	b. Temperature & pressure study of low reactor pressure	2	Report Complete 4/12/79	Koler
10	Specification for Reflux Boiler Test			
	a. Feasibility	2	In progress	Fornandoz
	b. Specific parameter	2	In progress	Fornandoz
11	Water level/reactor P/V			
	a. Short-term	2	Not studied yet	Ackerman
	b. Long-term	2	Not studied yet	Ackerman
12	Model for boron/gas in primary system	2	In progress	Koler

Westinghouse

Task	Description	Priority	Status/Date Due	Task Coord.
I.A.3	Define Aux. Bldg. T.V. monitor needs for existing DHR system.	1	Completed 4/13	
I.B.1.	Decontaminate for DHR Sys. checkout	1	DG Bldg. 4/14 Aux. Bldg. 4/15	M. Siano
I.B.2	Install Aux. Bldg. T.V. monitor for existing DHR system	1	After decon. Est. 4/17	M. Siano
I.B.4	Install DHR remote operation equipment	1	After decon. Est. 4/17	M. Siano
I.B.5	DHR flow/pressure tests	1	After decon. Est. 4/17	M. Siano
II.A.1	ADHR (new)system design & approval	1	Ongoing (Schematic completed 4/13) (Gen'l Arrangement 4/14)	M. Siano
II.A.1	Final ADHR installation procedure	1	Ongoing	M. Siano
II.B.	ADHR installation	1	No status	M. Siano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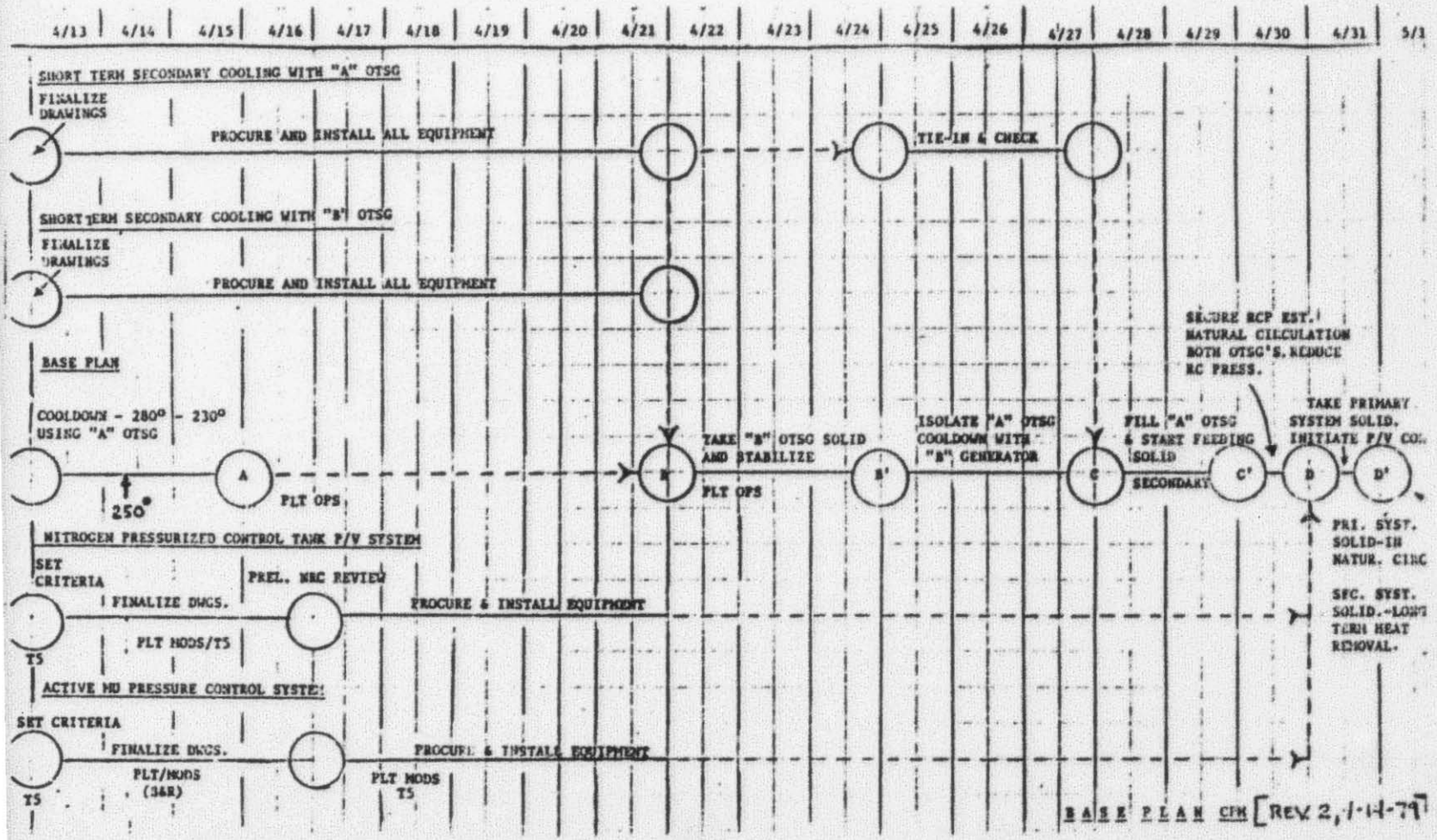
WESTINGHOUSE
A.D.H.R.
SCHEDULE
PRELIMINARY, 4-14-79
V-E CONT. VALVE RM./ SUMP AREA
PERM. SHIELDING - REACROD AREA
OBTAIN ENTRY APPROVAL
EXCAVATE ENTRY PIT/CONSTRUCT AIRLOCK
PIERCE WALL
INSTALL PIPE/SUPPORTS
HYDRO
TIE-IN
SEAL BUILDING
REQUIRED SKID/PANEL DELIVERY
SET SKID/PANEL
MECH/ELEC HOOKUPS
PROCURE & LAY COOLING WTR PIPE/TIE to SER. WTR

B & W

Task	Description	Priority	Status/Date Due	Task Coord.
1	Provides list of critical systems for present conditions	1		
2	Provide noise analysis of pressure during degassing	1	Expected 4/13	Rogers
3	Review IAG analysis of long-term reactor cooling considering flow leakage paths	1	Prelim. 4/10, 1600; Final 4/13	Kulynych
4	Determine minimum primary system pressure (point D, Base Plan)	2	Working 4/13	Kulynych
5	Core analysis program: a. Thermocouples from incores b. Neutron signals from incores	2	Described at 4/11 meeting - Still working	Kulynych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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 - 280° - 230°
USING "A" OTSG
250
A
PLT OPS
B
TAKE "B" OTSG SOLID AND STABILIZE
PLT OPS
B'
ISOLATE "A" OTSG COOLDOWN WITH "B" GENERATOR
C
FILL "A" OTSG & START FEEDING SOLID
SECONDARY
C'
SECURE RCP EST. NATURAL CIRCULATION BOTH OTSG'S. REDUCE RC PRESS.
D
TAKE PRIMARY SYSTEM SOLID. INITIATE P/V CO.
D'
PRI. SYST. SOLID-IN NATUR. CIRC
SEC. SYST. SOLID.-LONG TERM HEAT REMOVAL.
NITROGEN PRESSURIZED CONTROL TANK P/V SYSTEM
SET CRITERIA
PREL. NRC REVIEW
FINALIZE DWGS.
PROCURE & INSTALL EQUIPMENT
PLT MODS/TS
TS
ACTIVE MU PRESSURE CONTROL SYSTEM
SET CRITERIA
FINALIZE DWGS.
PROCURE & INSTALL EQUIPMENT
PLT/MODS (3&R)
PLT MODS TS
TS
BASE PLAN CPM [Rev 2, 1-11-79]