

File

PLANNING MEETING

0900 4/21/79

1. Agenda, 0900, 4/21/79, Task Management/Schedule Meeting
2. Review Top Priorities List
3. Review Action Items from "1800", 4/20/79 Technical Review Meeting
4. Review Tasks Lists

AGENDA

Task Management Schedule

0900 4/21/79

make filter @
...
then move B
more activity in FHB
2.5 R/Ac

B train delays release
control circuits not
rmp from

1. Radioactive Releases

- a. Levels down factor 2 with A train on; B train wet all offsite < MDA - shift to FHB
- b. Identification/isolation of sources - FHA - correlation to valve movements / Making table
- c. Monitoring
- d. Hotwell activity samples 1.2 NO-3 $\mu\text{C}/\text{cc}$ > A - 180-3 $\mu\text{C}/\text{cc}$ SG B - 1-2 $\mu\text{C}/\text{cc}$
- e. Results of grab sample @ outlet of air ejector condenser 1.1 X 10⁻¹⁰ $\mu\text{C}/\text{cc}$
follow air ejector activity up stream of filters

2. Status of:

- a. Auxiliary Building filter replacement
- b. Auxiliary Building roof ventilation system 4/24 run fans (dry 1/4 ex. expansion & unit)
- c. Charcoal filter spares - A train running 3 main 39" x 50" 11" x 40"; 60" x 40" for FHB - 200 to be del.
- d. Alternate pressurizer level measurement - Hairs gauge / voltmeter - down get / up ind (RTB)
no way to keep steam by full
- e. Leakage past DH-V6B
- f. Ventilation system for welding operations - BUZ ? (new milling machine)
- g. R.C. drain tank waste gas vent header isolation valve (failed) please inhibitor
Tank dropped to zero - without ?
- h. EPICOR (Cap-Gun II System)
- i. Tank farms in Unit 2 spent fuel pool - tank on broken cover - broken can't be released
- j. Adding deaerated water to make-up 100 ppb O₂ - removing check valve
- k. Liquid waste processing 7,000 gal Unit 2 → Unit 1
Deluge valve 3,000 + 2000 gal @ 9:30 pm

3. Decay Heat Removal System

- a. Opening of DHV-2 ^{magnet close - run 10 min} ^{Leakage unknown} (DHV-1 may leak) - therefore holding on DHV-3
check resistance W in that area
- b. Alternate flow paths
- c. Leak test results
- d. Surveillance inspection results

4. OTSG operation using auxiliary or main feedwater

2-28 in approval circuit
Baw - to do good > 50% present 50% pm

5. Criteria for natural circulation

look a transient analysis
3. name - assemble small group to examine details (eg night temp tracking)

6. Charter and membership of natural circulation advisory group

W - Decon

280.6' level DNR pits

200 man mins - 5 R/hr → 200 m³/40 m³
on air pumps wet vacuum - mostly Beta (jet: isotopic)

Needs for sample analysis

~~BT~~

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

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" OTSG cooling modification (long-term).	C-2
Complete external valve pit for ADHR System.	C-2

ACTION ITEMSTechnical Review Meeting1800 4/20/79

	<u>Action</u>
1. Determine requirements for additional radiation monitor sensitivity, equipment, and equipment operations.	Hopkins/Rusche
2. Continue to determine correlation between filter count and R-219 (Eberline) readout. Replace charcoal in R-228 as soon as possible.	Herbein
3. Continue efforts to identify and isolate sources of radioactive iodine releases.	Rusche
4. Prepare instructions covering action to be taken in the event that radioactive levels increase while steaming secondary system.	Herbein
5. Prepare instructions to be followed in the event that gland seal steam is lost.	Herbein
6. Take grab sample at outlet of air ejector charcoal filter 1 each day. Notify Arnold of results.	Herbein
7. Determine total radioactivity in condenser hotwell @ least twice daily.	Herbein
8. Continue efforts to install and place into operation alternate pressurizer level measurement system.	Herbein
9. Continue efforts to correlate radiation levels at DH-V6B to leakage through DH-V6B.	Herbein
10. Establish program for managing water in the event that DH-V6B is opened.	Herbein
11. Restore Auxiliary Building vent system filters to operation. If fire protection has not been restored when the filters are ready, operate without fire protection.	Herbein
12. Delay taking primary sample until 0700 4/22/79. Analysis shall include Boron concentration.	Herbein/ McMillan
13. Determine availability of spare charcoal filters and method for utilizing spares.	Rusche

- | | <u>Action</u> |
|--|----------------|
| 14. Continue efforts to add deaerated primary makeup water. Check oxygen level of M.U. from Unit 1 to unit 2. | Herbein |
| 15. Continue efforts to provide readout of in-core T/C. Readouts shall include adequate range and readout in °F. | Herbein |
| 16. Establish program for timely startup and operation of recovery and control systems. Efforts to consider such activities as work permits, trained people, radiation permits. | Herbein |
| 17. Be prepared to discuss the charter and membership of operation of the Natural Circulation Advisory Group at 0900 Schedule/Management Meeting on 4/21/79. | All |
| 18. Issue criteria for getting into natural circulation. Criteria must be easily understood by plant operators, must clearly identify when criteria exceeded (included plant parameters to be monitored) and the computer must not be a choke point. | Wilson |
| 19. Prepare procedure for shifting from normal generator feed to emergency generator feed. | Herbein/Wilson |
| 20. Decay Heat | |
| a. Provide comments on the acceptability of opening DHV-2 as a means of reducing chances of not getting into Decay Heat (discussion @0900 on 4/21/79). | Herbein |
| b. Determine alternate means of initiating Decay Heat in the event that flow to D-DHV-3 cannot be initiated. | Herbein |
| c. Determine type of isolation valves in Decay Heat lines to pressurizer spray lines. | Herbein |
| d. Provide history of seat leakages tests and surveillance inspections of Decay Heat isolation valves in containment. | Herbein |
| 21. Evaluate possibility of removing Decay Heat by balanced letdown/high pressure injection if SI is initiated. | |

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		Spare monitor in service	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		235 rpm @0500 4/21	Broughton
5.	SSRW pump repairs	C-1		"A" - In Service "B" - Parts "C" - Disassembling "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, 4/22 (B&W)		Thorpe/ Hetrick/ Shift Supt.
8.	Pressurizer Heise and diff. press.	C-2		Correlation Study	DeVine
9.	Boron concentration in RCS calculation.	C-2		2653 @1345, 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. Being connected.	Ackerman/ Weaver
11.	Addition of Hydrazine to RCS.	C-2		Added 25 litres on 4/19	B&W/Rogers/ Logan
12.	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

Task	Description	Priority	Expected Completion	Status	Task Coord.
13.	Verify vacuum degasser operation.				Miller/ Logan/ Shift Supt.
14.	Need 1000 psig, 1/2 gpm hydro pump.			On order	Showlin
15.	Caustic spraying of Aux. Blcg.			Stopped; waiting on external breathing air supply.	

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-13A	Develop complete package for short-term cooling of "A" OTSG.	C-1	Installation comp. 5/3	Options being evaluated. Equip. avail. 4/20. On hold.	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	Turnover for test 4/26/79	Cobean/ Gunn/ Toole
TS-3C	Develop complete package for long-term cooling of OTSG "B".	C-1	Revised schedule by 4/23	Turnover for test 5/1/79	Wilson/ 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.	C-1	Installation comp. 4/20	Turnover for test 4/26/79	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		Turnover for test 5/2/79	
TS-6C	Evaluate letdown 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.				

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-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	4/21	Criteria issued 4/13; in review	Capodanno
LS-2	Tech. Spec. deletions, changes, and additions for long-term cooling.	C-1	5/1	Issue 5/1/79; NRC interactions under negotiation.	Harding (Stair)
AA-9	Recommendation for end point of degas mode.	C-1	4/21	Issue 4/20	Crimmans
TM-32	Review with B&R work on DHR system modification.	C-1	4/22	Issue 4/22	Capodanno
TM-35	Establish long-term plant instrumentation requirements.	C-1	4/22		Croneberger/ Chisholm
TM-21b	Closed cooling system for OTSG "B" - long-term, high press. criteria.	C-1	4/21		Capodanno
TM-22a	Closed cooling system for OTSG "A" - short-term, low press. criteria.	C-1	4/21		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.		Completed 4/19	Completed 4/19	

WESTINGHOUSE

Task	Description	Priority	Expected Completion	Status	Task Coord.	Note
I.B.1.	Decontaminate for DHR Sys. checkout	C-1	4/23 4/28	DH Vaults DH Valve Room	Siano	
I.B.2.	Install Aux. Bldg. T.V. Monitor for existing DHR system	C-1	4/21	In progress	"	1
I.B.4.	Install DHR remote operation equipment	C-1		After decon. 4/26	"	
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	"	2
II.A.1.	ADHR final test procedure	C-1		Ongoing	"	
II.A.1.	Final ADHR installation procedure	C-1	4/24	Ongoing	"	3
II.A.2.	ADHR procurement	C-1	4/27	Ongoing	"	
II.B.	ADHR installation	C-1		No status	"	4
	Licensing Report	C-1	4/20	Ongoing	"	

- Notes:
- (1) Final camera installation after Aux. Building decontamination.
 - (2) Interior piping design complete 4/20.
 - (3) Skid off-loading ECM submitted 4/20; Weld-O-Let structural tests complete 4/19.
 - (4) Excavation ECM submitted 4/20.

Industry Advisory Group

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Determine method of finding leak in vent header	1+		ASAP	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
16a.	Order of priorities	1	Completed 4/19	Completed 4/19; See close-out memo IA-16a	Zigler
17.	On-line monitoring of born and gasses	1		In progress	Ackerman
18.	Risks/Advantages of going to Natural Circulation as is vs. Present Plan	1		In typing	Paddlefor
23.	High counting rate BF3 detector	1	Completed 4/20	Completed 4/20; See close-out memo IA-23	M. Shultz
24.	Source of airborne contamination	1	Completed 4/20	Completed 4/20; See close-out memo IA-24	J. Theising
25.	Instrument				
	a. 12 selected TC's on recorder or computer	1		In progress	Stroupe
	c. Confirm 12 TC's selected are correct	1	Completed 4/20	Completed 4/20; See close-out memo IA-25c	Stroupe
	d. TH & TC on recorder	1		In progress	Stroupe
12.	Specifications for Reflux Boiler Test				
	a. Feasibility	2		In typing	Fornandoz
	b. Specific parameter	2		In typing	Fornandoz

Task	Description	Priority	Expected Completion	Status	Task Coord.
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 Mod - piping and equipment	2		In progress	Lawborski
20.	Evaluate various alternatives to decontaminate plant; long-term	3		Not started	Lawborski