

PLANNING MEETING

0900 5/5/79

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

5/5/79

A G E N D A

Planning Meeting

0900 5/5/79

1. Radioactive Releases
 - a) 748, 219 readings
 - b) Auxiliary Building fans
2. Plant Status - RCS profile
3. Plant Operations Schedule Review
4. Analytical - Methods of Mixing Pressurizer and RCS Water
5. Containment sump level
 - a) DHV-6 operation - procedure
 - b) DHV-2 operation
6. Water to be stored in tank farm - proposals/schedules
7. Pressurizer Level
 - a) Procedure Review
 - b) Davis-Besse test/implementation at TMI-2
 - c) Add to RCS to raise level after PZR sample
8. Construction Status:
 - a) Tank Farm in Unit 2 Spent Fuel Pool
 - b) Alternate System for solid circulation of OTSC
 - c) EPICOR (CAP-GUN II)
 - d) Reactor Coolant Pressure/Volume Control
 - e) Auxiliary Building roof ventilation system
 - f) Status of Aux. Diesels
 - g) Decay Heat Removal System Tie-ins
 - h) Auxiliary Diesel Generator

5/5/79

TOP PRIORITIES

Development of plan for management of radioactivity in Auxiliary and Containment Buildings.	A-1
Identify and isolate sources of iodine leakage.	A-1
Complete tank farm in Unit 2 spent fuel pool.	A-1
Complete roof-top Stack Filtration System.	A-2
Complete contingency plan for emergency cross-tie between the Auxiliary Building and Reactor Building Filtration System.	A-2
Completion of EPICOR (CAP-GUN II) System.	A-2
Development of plan for treatment of Auxiliary Building liquid waste.	B-1
Complete "B" OTSG cooling and modification (long-term).	C-1
Upgrade Decay Heat Removal System.	C-1
Develop and calibrate alternate pressurizer level transmitter.	C-1
Development of alternate system for pressure/volume control system.	C-1
Complete "A" OTSG cooling modification (long-term).	C-2
Complete external valve pit for ADHR System.	C-2

CATEGORY

- A Control (i.e., containment) of radioactivity in Auxiliary and Containment Buildings.
- B Recovery of Auxiliary Building to near normal operations.
- C Place the plant in a cold condition suitable for depressurization with long-term pressure/volume control.

ACTION ITEMS

Technical Group Meeting

1800

5/4/79

- | | <u>ACTION</u> |
|--|----------------|
| 1. Determine RCS sampling frequency. | Keaton/
B&W |
| 2. Sample PZR 0900 5/5. Determine desired analyses. | B&W/
Keaton |
| 3. Prepare proposals in usage/completion of Tank Farm. | Keaton |
| 4. Verify calculations of RCS leakage. | Keaton/
NRC |
| 5. Investigate EPICOR II valve cracking - incident reportable? other uses of similar valves. | Hirst |
| 6. Planning meetings altered to 1300 each day starting 5/7. | All |

PLANT OPERATIONS PLANNING

FRIDAY

SATURDAY

SUNDAY

MONDAY

TUESDAY

5/4

5/5

5/6

5/7

5/8

0600

1200

1800

0600

1200

1800

0600

1200

1800

0600

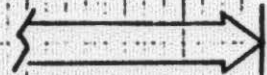
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1800

0600

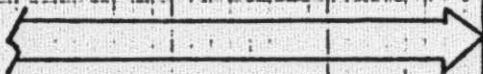
1200

1800



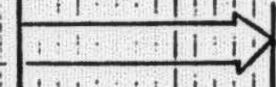
Decay Heat Pump "B" - Leak Test

Draw PZR Sample

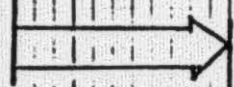


Cycle DHV-6

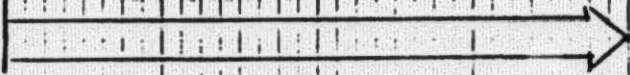
Decay Heat Pump "A" - Upgrade



Take PZR Solid



Decay Heat Pump "A" - Test



RCS Solid



PLANT OPERATION STAFF

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Obtain RCS sample.	C-1		To be scheduled.	Thorpe/ Hetrick
2.	Boron Concentration: Take PZR sample.	C-1	Obtain sample 5/5, 0900.		Kunder
3.	Obtain MEC approval (Tie-in approval only).	C-1		Need ECM's 035, 132, 133, 141, 148, 170, 172, 179, 180, 181, 182, 185, 228, 239.	Porter/ Faulkner/ Seelinger
4.	SSRW pumps.	C-1	"A"-In Service "B"-Available "C"-Under Repair	Parts 5/04/79. Run "B" on 5/4.	
5.	AB "Roof" filters and fans.	A-1	Install filters 5/4. Test fans 5/5.		
6.	Decay Heat System.	C-1	Hydro "B" 5/5. Run "A" 5/7. Cycle DHV-6 5/5.		Toole
7.	Repair secondary plant leaks and clean up water around cond. pumps.	B-1	In progress.	FW-V4B	Shovlin/ Kunder
8.	Get sec. plant sump levels down.				Kunder
9.	Isolate Unit #1 and #2 sample stations.			Need new sample sink.	Limroth/ McGoey
10.	Training on Diesel.		In progress.		Troffer/ Kunder/ Toole
11.	Training on Decay Heat.	C-1	In progress.	Resolve NRC comments.	Troffer/ Kunder/ Toole
12.	Calibrate Aux. Bldg. vent monitors.	A-1	Working on #3 and #4.		Kunder/ Shovlin

PLANT OPERATION STAFF

Task	Description	Priority	Expected Completion	Status	Task Coord.
13.	Develop balancing scheme for Aux. Bldg. HVAC.	B-1			Toole
14.	Set up alarm system on PZR Htrs. for low-level detection.				Kunder/ Shovlin
15.	Take continuity reading of electrical equip. in RB to try and determine water levels.				Porter/ Kunder
16.	Cooling water has been shut off to seal return cooler and makeup. Tank pressure and temperature are up.	A-1	Take primary solid 5/6.		Kunder
17.	Insure HP-R-222 and 228 are calibrated and take 12-hour cartridge samples.		Ongoing	Lower sample rates. Sample HP-R-221 A and B.	Kunder
18.	Sample AB/FHB charcoal beds.				Kunder
19.	SFAS disabling.			Use TP310/3	Keaton

PLANT MODIFICATIONS

Task	Description	Priority	Expected Completion	Status	Task Coord.
WG-1	Install AB/FHB Filter system.	A-1	Units 3 and 4 - 5/5.	Building complete by 5/9.	Gunn/ Thorpe/ Bachofer
WG-2 (L-1)	Decon. water in AB using EPICOR ion exchange process.	A-1	Operational 5/16.	Schedule slipping.	Cobean
WG-6 (L-2)	Install storage vessels in Fuel Pool "A".	A-1	Operational by 5/10.	Schedule slipping.	Cobean/ Gunn
WG-11	Water Chemistry Lab for use with CAI-GUN (WG-2).	A-1	System complete by 5/6.		Cobean
WG-12	Ventilation filtration system for decay heat pits.	A-1	System operational 5/6.		
TS-13	Install elec. heaters on Aux. Bldg. intake ducts.	A-2		No status.	
TS-3C	Develop complete package for long-term cooling of OTSG "B". Use Unit #2 Demins for long-term system.	C-1	System operation - 5/11.	Surge tank delivery is expected 5/9.	Wilson/ Cobean
TS-6B	RCS pressure control system.	C-1	Turn over for test 5/11.		Miller/ Lilly
TS-11	Develop electrical distribution system for (2) 2500 kw diesel generators - 13.2 kv line.	C-1	Operational 5/12.	Schedule slipping.	Cobean
TS-14	Shielding for decay heat pump.	C-2	5/8	ECM not approved.	Cobean
TS-18	Temporary cart-mounted demineralizers.	C-2	To be scheduled.		Cobean

TECHNICAL SUPPORT

Task	Description	Priority	Expected Completion	Status	Task Coord.
LS.2	Tech. Spec. and Surveillance and Bases Changes to those left deletions, additions.	1	No status.	Active: NRC interactions under negotiation.	L.W. Harding
TM.30	Determine what BOP loads need backup electrical power.	1	Continuing.	Draft criteria document issued 4/24.	Capodanno/ Langenbach
TM.35	Long-term plant instrumentation requirements (criteria).	1	On hold.	Criteria docu. being revised.	Capodanno/ Langenbach
AA 66	D. How to maintain primary boron conc.	1	No status.	Active.	GPUSC/MPR
AA 69	Define all plant mods needed for long-term operations.	1	No status.		Croneberger
AA 77	Analysis and summary of 4/28 natural circulation mode. Evaluate stability and equilibrium.	1	Comp. 4/28	Data summary continuing based on control room data.	
AA 78	Evaluate options for mid-term continued operation.	1		New base plan for R. C. A. signature prepared.	
	a) Steam B to get nat. circ.				
	b) Take B solid, get nat. circ.				
	c) Dynamics of switching from A to B, B to A; combinations of steaming and solid cond.		No status.	Active.	
AA 79	Define "alert levels" for various parameters.	1		Complete in EP-34.	J. A. Daniel
AA 80	Analytical and Tech. Planning Support for updated procedures (EP-32, etc).	1	Complete graph of water level.		J. A. Daniel

TECHNICAL SUPPORT

Task	Description	Priority	Expected Completion	Status	Task Coord.
AA 81.	Estimate sump water level in reactor building.	1	No status.	Active.	
AA 83.	Identify critical valves and instruments which may be damaged by high sump levels.	1	5/4	Active.	
AA 84.	Identify flow paths from the containment sump.	1	B&R investigating.	Active.	

WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
L-1	Design, installation, and operation of EPICOR for Unit 2.	B-1	5/14	<p>a. Design - 97%</p> <p>b. Construction - 50%</p> <p>c. Licensing - NRC concurrence</p> <p>d. Operation - est. 5/14.</p> <p>Pipe fab. and welding crit.; approximately 50% of welds complete.</p>	Snider/ Garman/ McCutcheon/ *Weller/ *Collins
L-2	Design, installation, and operation of emergency surge tanks (tank farm) in Unit 2 "A" Fuel Pool.	B-1	5/10	<p>75% comp. piping in FHB.</p> <p>30% comp. welds in AB pipe.</p> <p>Prefab. pipe ready for installation in AB.</p> <p>"A" filter train piped up and expected to be cast 5/4.</p> <p>75% concrete slabs placed atop fuel pool.</p>	Reinmann/ Snider/ *Weller/ *Collins
L-10	Pursue activities on processing Unit 1 water through CAP-GUN to both provide support to insure available freeboard for Unit 2 and to develop resin formulations for Unit 2 water.	A-1		In progress.	Garman/ *Weller
L-14	Evaluate waste gas vent header leakage problems and recommend fixes depending on results.	A-1		Working per J. Seelinger's waste gas plan of 4/17/79.	McConnell/ Arthur/ *Bland
	* NRC contact				

WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
L-36	Investigate the effects which the operations associated with reactor plant long-term cooldown will have on discharge to the waste systems. Related to L-6.	C-1		In progress.	McGoey/ Ross/ *Collins
L-42	Development recommendations and procedure for draining and disposition of RCBT water to support plant needs to make up with degassed demin. water.	C-1			McGoey/ Ross/ *Collins
L-44	Evaluate system designs with Technical functions and <u>W</u> to assess possible interference problems from standpoint of locations, operations, maintenance, etc.	B-1		Report being prepared; delayed by higher priority tasks.	Kraft/ *Weller
L-47	Resolve sample lab requirements versus capabilities to support EPICOR I and II operations.	B-1		Meeting held 5/1/79; resolution in progress.	Kraft
G-1	Install AB/FHB off-gas filter system to back-up plant system.	A-1		Phases I, II, and III design complete. System description and start-up procedures are complete. Stack cut-in is made. Phases II and III lead to permanent system, schedule shows 5/6 operation.	Montgomery/ Itchner/ *Collins
	* NRC contact				

WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
G-5	Change out AB/FHB HVAC vent filter train charcoal bed.	A-1		Long-term storage plan defined. 45 permanent storage/shipping containers in fabrication. 35 delivered. "A" train of the AB filters and "A" train of FHB filters removed and replaced, units back in service. High radiation level in "B" train dictates delay "B" train change out. Deluge systems secured on all renewed filter trains. Spent filter tray removal scheduled to begin 5/5.	McConnell/ Edwards/ *Weller
G-31	Determine air flow paths in AB/FHB.	A-1		Operating. matrix developed and available.	Nawaz/ Itchner/ Robison/ *Weller
G-32	Determine that there are no unidentified air flow paths.	A-1		Examination of plant status/ configuration underway. First cust. review complete.	Nawaz/ Itchner/ Robison/
	* NRC contact				

Task	Description	Priority	Expected Completion	Status	Task Coord.
G-38	Develop plan for ventilation system operation based on fan/filter train status and on door openings and other plant operation evaluations.	B-1		Need identified to set up a plan. Control/advise on local and system ventilation practice.	Itschner/ *Stoddart
G-40	Criteria for and control tasks resulting in the evolution of contaminants that could poison charcoal filters.	A-1		20 "Red Devil" type local filtration systems on order to control welding fumes.	*Collins
L-3	Determination of leakage paths and flow rates in Unit 2 Aux. Bldg. and FHB and repair of leaks where possible. Plant has leakage ID and Status Board in Unit 2 Control Room. Pursue Plant activities associated with this.	2		Plant staff following.	Kraft/ Arthur/ *Cwalina
L-12	High level solid waste disposal investigation.	B-2		In progress.	Pastor/ Edwards/ *Weller/ *Collins
L-26	Perform assessment of the value and need for a closed circuit TV Monitor to provide remote indicator of radwaste panel data.	A-2		Price proposal being assessed versus decon. schedule of Aux. Bldg.	Kraft/ Lutz/ *Stoddart
L-27	Develop sampling plan to assess AB waste for transuranic content. Insure that Met-Ed Ops. coordinate sample requirements with ORNL to insure satisfactory analysis results.	B-2		Identified 4 samples, agreed on 3. Agreement reached on using previously taken samples from sump and bleed tanks; additional samples to be taken.	Passell/ Williams/ *Collins
	* NRC contact				

WASTE MANAGEMENT-GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
L-29	Investigate reported water collection in the "B" fuel pool, obtain samples and make plans for disposition. Also investigate the preoperational condition of the fuel pool from a leakage standpoint.	B-2		Water from Unit 2 const. Sample needed.	Williams/ *Barrett
L-33	Develop a plan for tying in the tank farm to EPICOR 2.	B-2		System criteria sent to B&R on 5/1/79.	Reinmann/ Snider/ *Weller/ *Collins
L-35	Investigate the need for a design and construction task to erect a barrier between the Unit 1 and Unit 2 Fuel Handling Bldg. to enable Unit 1 operations with Unit 2 in processing Mode.	B-2		Alternate design Unit 1 side to be submitted 4/27/79.	McConnell/ Williams/ *Barrett
L-37	Develop a plan for removing all radioactive gases from the systems in the AB and FHB.	B-2		Requires completion of L-14.	McConnell/ *Collins
G-7	Condenser vacuum pump discharge filter system.	A-2		Filter operational. Investigating operating criteria. Will evaluate DF.	Robison/ Montgomery/ *Collins
G-30	Reactor Purge System Charcoal Filter Sample.	A-2		Radiation survey requested.	McConnell/ *Collins
G-33	Desensitize AB and FHB Filter Monitors.	A-2		Preliminary investigation - desensitization infeasible.	Sieg/ *Stoddart
	* NRC contact				

WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
G-39	Develop and assess back-up gas filtration scheme to cross-connect the Auxiliary Building filters to the RB purge filters.	B-2		B&R has developed a concept. Second estimate scheduled shows 14 day + schedule. Heisman Co. has developed drawings. Exposure/schedule cost appears too high. Contingency plan is to open roughing filter manway if emergency ventilation of Auxiliary Building is needed.	McConnell/ *Lee
G-41	Develop filter management strategy.	B-2		Planning started.	Morton/ Clure/ *Bland
G-42	Develop a program to assess and monitor I release sources.	B-2		Four-part approach: 1. B&R to complete review of release candidates. 2. Pursue a tracer program to find leak. 3. Pursue an air monitoring program with SAI/EPRI to plot I levels. 4. Review local ventilation conditions to verify flow distributions.	McConnell/ Arthur/ Montgomery/ *Bland
* NRC contact					

Task	Description	Priority	Expected Completion	Status	Task Coord.
L-11	Investigate/develop process for eliminating Unit 2 water in RCBT's. Process planning for Units 1 and 2. Design (conceptually) a waste processing system for Unit 2 High Level Liquid Wastes.	B-3		Proposal to be received from chem-nuclear 5/4/79.	Snider/ *Waller
L-16	Low level waste (paper, rags, wood, etc.) disposal.	B-3		In progress; second compactor ordered.	Edwards/ *Waller/ *Collins
L-17	Develop CAP-GUN 3 System.	B-3		Initial planning only. Detail design scheduled to start 4/25/79.	Snider/ *Waller/ *Collins
L-20	Obtain a level measurement and a sample of water from the RB sump and basement.	B-3		Measurement using Heise gage being explored.	Ross/ *Collins
L-22	Develop a plan for long-term cleanup to provide access to Auxiliary Bldg. for restoration activities.	B-3			Open/ *Collins
L-30	Develop plan for radiation survey in Auxiliary and Fuel Handling Bldg.	B-3			Open/ *Stoddart
G-15	Emergency RB Gas Purge Cleanup System.	A-3		On hold; no plan to implement.	Open/ *Collins
G-29	FHB Airlock.	B-3		Airlock unnecessary at this time.	Inactive/ *Barrett

* NRC contact

WESTINGHOUSE

Task	Description	Priority	Expected Completion	Status	Task Coord.
I.B.5	DHR flow/pressure tests.	1	5/3	Ongoing	Siano
II.A.1	Find ADHR test procedure.	1	5/3	Ongoing	Siano
II.A.1	Find ADHR installation procedure.	1	5/10	Ongoing	Siano
II.B	ADHR installation (note below).	1	5/18	Ongoing	Siano
<p><u>Note:</u> Drilling of twelve (12) holes in Aux. Bldg. for the ADHR to start 5/4/79.</p>					

INDUSTRIAL ADVISORY GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
2.	Provide recommendation for alternate methods of P/V control.	1		In progress	Ackerman
11.	Instrument diagnostics.	1		Continuous	Ackerman
20.	Evaluate various alternatives to decontaminate plant; long-term.	1		Not started	Lawborski
25.	Instrument				
	b. TH & TC on recorder	1		In progress	Stroupe
43.	Long-term cooling	1	Comp. 5/4	IA 43	Kolar
44.	Level of water in containment	1	Comp. 5/4	IA 44	Kendell
45.	When will natural circulation stop on the "B" loop?	1		In progress	Meyer
46.	Heat loss from pipe and reactor vs. temperature	1		In progress	Kolar
14.	Model for boron/gas in primary system.	2		Being written	Kolar
22.	Plan Mod. - piping and equipment.	2		In progress	Lawborski

5/5/79
0900

<u>RELEASES</u>	<u>0900 (5/4/79)</u>	<u>1800 (5/4/79)</u>	<u>0900 (5/5/79)</u>
748	3×10^{-9}	5×10^{-9}	5.87×10^{-9}
219	1.5×10^{-9}	2.9×10^{-9}	6.56×10^{-9}
Inlet	3×10^{-9}	2.6×10^{-9}	2.17×10^{-6}
Train #1	< Det. Limit	< Det. Limit	1.15×10^{-11}
Train #2	< Det. Limit	< Det. Limit	3.45×10^{-11}
Train #3		No Flow	2.30×10^{-11}
Train #4		No Flow	No Flow

REACTOR COOLANT SYSTEM PROFILE

PLANT STATUS

		<u>0900 (5/4/79)</u>		<u>1800 (5/4/79)</u>		<u>0900 (5/5/79)</u>	
		A	B	A	B	A	B
Th		175.3	179.5	175.3	176.5	176.1	177.2
Tc		161.9	101.9	162.5	100.4	162.6	100.3
ΔT		13.4	74.0	12.8	76.1	13.5	76.9
Tsta		160.8	132.2	161.0	130.1	161.7	131.0
PZR LEVEL	Cal.	125.9		128.2		126.0	
	DVM					308.0	
	LT-3	319.2		294.6		Erratic	
R.C. Press		908		906		881	
S/G Level		404	92%	425	92%	418	92.5%
Turb. B/P		84%	Closed	84%	Closed	84%	Closed
I.C.T.	High	320		319.1		318	
	Avg.			196.7		239.5	
						147.7	
M.U. Temp.		128		148		130	