

5/17/79

File

Daily

TECHNICAL WORKING GROUP  
1300 5/17/79

1. Agenda, 1300, 5/17/79 Technical Working Group

2. Radioactive Releases and RCS Profile

*Hold present condition*

*Cap on the stack - Tomorrow after-noon 5/18  
3 Suppl. fans*

3. Top Priorities List

4. Action Items from 1300, 5/16/79, Technical Working Group

5. Task Lists

*Used wrong pipe for the measurement.*

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TECHNICAL WORKING GROUP

1300

5/17/79

1. Radioactive Releases

- a. 748, 219, Auxiliary Building Fans
- b. Vent Header and Drain Trunk
- c. Dome Radiation Monitor
- d. Measurement of Radiation Level Inside Containment

2. Plant Status

- a. RCS Profile
- b. Plant Operations Schedule

Bypass Valve Adjustment Toward 60% 60%

Increase rad. reading in the A vessel.

DHP 'A' Test *Man has completed, satisfactory*

- Replacement of 'B' train FHB charcoal filters *Replacement filters schedule to arrive Sat, Start 5/23 comp. 5/25.*
- Obtain RCS Sample - 0900 5/18 *Pressure/temperature*

Sample Bleed Tank 'A' - Analysis should include Boron Concentration

*Not taken - scheduled for tomorrow.*

*Has sent a Mel-Ed rep. up the aisle.*

3. Containment Sump Level

- ✓ a. DHV-6B - Results of Containment Level Determination
- ✓ b. DHV-2 Operation

*can operate either way*

4. Analysis

- a. Reevaluation of existing recommendation to draw a bubble vs. solid operation
- b. Procedure for verification of Solid PZR during solid operations at 300 psi *increase in 50# pressure - per recommendation.*
- c. Reduction to 300 psig - increase in loss of pressure protection?
- d. Use of Long-term Cooling System 'B' OTSG

5. Construction Status

Estimated Completion

- ✓ a. Tank Farm *only 2 pumps to tanks from completed* 5/23
- ✓ b. OTSG 'B' Long Term Cooling *2 tanks 2 pumps* 5/19
- ✓ c. EPICOR (CAP-GUN II) *in progress* 5/23
- ✓ d. RCS Pressure/Volume Control Turnover for testing *in progress* 5/25
- ✓ e. Auxiliary Diesel Generator Auto Start *in progress* 5/17
- ✓ f. Alternate Decay Heat Removal System tie-ins 6/1

*Handwritten notes on left margin: "with 100% capacity", "Handwritten notes on left margin"*

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
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
Development of alternate system for pressure/volume control system.	C-1
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

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ACTION ITEMS

TECHNICAL WORKING GROUP

1300

5/16/79

<u>Item</u>	<u>Action</u>
1. Determine proper hydro test pressure for WG-6.	Burns & Roe
2. Evaluate building and river temperature affects on maintaining negative pressure in the Reactor Building.	Wilson/ B&W
3. Insure that adequate verification of continued solid operation is placed in the current procedure for solid RCS operation.	Wilson
4. Evaluate the best method for cooldown of pressurizer	Wilson/ B&W
a. Venting steam from bubble operations	
b. Level cycle from 330 - 370" & 100 - 370"	

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## PLANT OPERATION STAFF

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Obtain RCS sample (Primary letdown).	C-1	5/18		Hetrick
2.	Obtain MEC approval (Tie-in approval only).	C-1		Need ECM's 170 R1 264 R0 and 1, 272 R1.	Kunder/ Faulkner/ Seelinger
3.	SSRW pump, "C" repair.	C-1	Comp. by 5/20.		
4.	Decay Heat System.	C-1	Cycle DHV-6 after hydro.	Cycled 5/15.	Toole
5.	Remove water from "B" Fuel Pool.	B-1		Not started	Kunder
6.	Isolate Unit #1 and #2 sample stations.			Need new sample sink.	Limroth/ McGoey
7.	Training on Diesel.		In progress.		Troffer/ Kunder/ Toole
8.	Training on Decay Heat.	C-1	In progress.	Westinghouse will provide training plan.	Troffer/ Kunder/ Toole
9.	Sample AB/FHB charcoal beds.	B-1	AB "A" & "B" 5/19. FHB "A" 5/23.		Kunder/ Hetrick
10.	Grey diesel.	C-1	5/17	Both complete except for auto start 5/17.	Toole
	White diesel.		5/17		Toole
11.	Move filters out of Aux. Bldg.	B-1		In progress.	
12.	Repair DW-P-4A.		Working 4A.	60% complete.	
13.	Repair SW-P-1B.		Need new shaft.	Reqn. No. 201-1720.	Showlin
14.	CO-P-1B repair.		In progress.		Showlin
15.	Install self-cooling on condensate pump 1A.				Toole/ Gunn

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PLANT OPERATION STAFF

Task	Description	Priority	Expected Completion	Status	Task Coord.
16.	Rebuild breaker for Cap-Gun.			Need 51 relay and CT.	Shovlin
17.	Maintain turbine sump empty.		Until completion of "B" OTSC flush.		Kunder/ Frederick

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## PLANT MODIFICATIONS

Task	Description	Priority	Expected Completion	Status	Task Coord.
WG-1	Install AB/FHB Filter System.	A-1	Complete by 5/15.	System operational 5/10; complete 5/15.	Shubert
WG-2 (L-1)	Decon. water in AB using EPICOR ion exchange process.	A-1	Turn over 5/23.		Lacy/ Fricke
WG-6 (L-2)	Install storage vessels in Fuel Pool "A".	A-1	Turn over by 5/23.		Gibson
WG-11	Water Chemistry Lab for use with CAP-GUN (WG-2).	A-1	System complete by 5/17.		Tolle/ Rao
WG-12	Ventilation filtration system for decay heat pits.	A-1	Turn over 5/26.		Shubert
TS-13	Install elec. heaters on Aux. Bldg. intake ducts.	A-2	On hold.		Shubert
TS-3C	Develop complete package for long-term cooling OTSG "B".	C-1	Turn over 5/17.		Jordan/ Lanza
TS-6B	RCS pressure control system.	C-1	Schedule being revised.	Estimated completion 5/25.	Miller/ Lilly
TS-11	Aux. diesel generators.	C-1	Testing.	Complete except for auto start 5/17.	Gagliardo
TS-14	Shielding for decay heat pump.	C-2	Turn over 5/28.		Lieberman

**NOTE:** Plant Modification Preliminary Schedule for Westinghouse ADHR System indicates 6/21/79 completion date.

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## 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	?	Active: NRC interactions under negotiation,	L. W. Hardin
LS.3	Initial Reporting of Event.	1	5/15 to NRC.	Active.	R. A. Lengel
TM.23	Reactor Coolant System P/V Control.	1	5/23	Active.	Cobean
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 61.	Update SAR.	1	?	Draft received.	B&W
AA 66.	D. How to maintain primary boron conc.	1	?	Active.	GPUSC/MPR
AA 69.	Define all plant mods needed for long-term operations.	1	?		Croneberger
AA 80.	Analytical and Tech. Planning Support for updated procedures (EP-32, etc.).	1	?	Continuing.	J. A. Daniel
AA 83.	Identify critical valves and instruments which may be damaged by high sump levels.	1	?	Active. Prelim. list available.	R. Long
AA 84.	Identify flow paths from the containment sump.	1	B&R investigating.	Active.	
AA 87.	Solid Pressurizer Analysis.	1	?	Active.	J. Moore
AA 96.	Boron concentration in RE sump 4/30 through 5/16.	1	?	Active.	J. Moore
TM.37	Installation of cartridge-type Demineralizer for clean-up of S.G. "B" secondary side.	1	ECM issued.	Revising design.	Capodanno/ Langenbach
AA 1.	Letdown Flow Analysis (continuing curve development).	1	Continuing.	Active.	Met-Ed Control Room
AA 71.	Determine requirements to perform sample analysis locally.	1	?	?	



## WESTINGHOUSE

Task	Description	Priority	Expected Completion	Status	Task Coord.
TS-15 (II.B)	ADHR Installation	C-1	6/21/79	See sub- divisions.	F. J. Serago
	ECM 109: ADHR piping and cabling	C-1	5/18		F. J. Serago
	ECM 119: Excav. west side of FHB	C-1	-	Complete.	
	ECM 120: O <sub>2</sub> lance mock-up training	C-1	-	Complete.	
	ECM 122: ADHR skid off load and temp. shelter	C-1			R. Clark
	ECM 136: Elect. control trailer	C-1	5/25	Exp. delivery 5/19	Serago/ Imagawa
	ECM 143: ADHR skid assembly	C-1	5/25		R. Clark
	ECM 168: Hydraulic valve operator	C-1	-	Complete.	
	ECM 182: FHB Penetration	C-1	5/31		J. W. Meyer
	ECM 199: Valve pit	C-1	6/18		Serago/ Meyer
	ECM 212: Component cooling skid	C-1			R. Clark
	ECM 226: Wiring ADHR skid	C-1	5/25		R. Clark

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
L-1	Design, installation, and operation of EPICOR for Unit 2.	B-1	5/23	Remaining items are installation of CAP-GUN equipment and coating of the floor.	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	5/1	75% comp. piping in FHB. 30% comp. welds in AB pipe, FE pipe. Prefab. pipe ready for installation in AB. "B" train pour planned for 5/7; "A" train pour complete. 75% concrete slabs placed atop fuel pool.	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

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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 RCET 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 W to assess possible interference problems from standpoint of location, 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 3/1/79; resolution in progress.	Kraft
G-1	Install AB/FHS 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. Four (4) fans are operable, 3 or 4 are running.	Montgom Itschne *Collins

END CONTACT

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## 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		"A" & "B" trains of the AB filters and "A" train of FHB filters removed and replaced, units back in service. FHB "B" train in change-out scheduled for 5/17. Deluge systems secured on all renewed filter trains. Spent filter tray removal to storage completed.	McConnell Edwards/ *Weller
G-31	Determine air flow paths in AB/FHB.	A-1		Operating matrix developed and available.	Nawaz/ Itschner/ 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/ Itschner/ Robison/ *Barrett
	* NRC contact				

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WASTE MANAGEMENT GROUP.

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.	Itschne *Stoddar
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/ *Stoddar
L-27	Develop sampling plan to assess AL 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 William *Collins

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## 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.	William *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/ Montgome *Collins
G-30	Reactor Purge System Charcoal Filter Sample.	A-2	Scheduled week of 5/20	RB purge filter sample all ready for analysis.	McConnell *Collins
G-33	Desensitize AB and FHB filter monitors.	A-2		Preliminary investigation - desensitization infeasible.	Sieg/ *Stoddart

\* W&amp;S contact

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
C-39	Develop and assess back-up gas filtration scheme to cross-connect the Auxiliary Building filters to the RB purge filters.	E-2		ESR 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.	McConno *Lee
C-41	Develop filter management strategy.	E-2		Standard procedures to sample charcoal systems in review.	McConnel
C-42	Develop a program to assess and monitor I release sources.	E-2		Four-part approach: <ol style="list-style-type: none"> <li>1. ESR to complete review of release candidates.</li> <li>2. Pursue a tracer program to find leak.</li> <li>3. Pursue an air monitoring program with SAI/EPRI to plot I levels.</li> <li>4. Review local ventilation conditions to verify flow distributions.</li> </ol>	McConno McGoey/ Montgo SAI: Cline/ Pelitt Volleg

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## WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
L-11	Investigate/develop process for eliminating Unit 2 water in RCST's. Process planning for Units 1 and 2. Design (conceptually) a waste processing system for Unit 2 High Level Liquid Wastes.	E-3		Proposal to be received from chem-nuclear 5/4/79.	Snider *Weller
L-16	Low-level waste (paper, rags, wood, etc.) disposal.	B-3		In progress; second compactor ordered.	Edward *Weller *Collin
L-17	Develop CAP-GUN 3 System.	B-3		Initial planning only. Detail design scheduled to start 4/25/79.	Snider *Weller *Collin
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/ *Collin
L-22	Develop a plan for long-term cleanup to provide access to Auxiliary Bldg. for restoration activities.	B-3			Open/ *Collin
L-30	Develop plan for radiation survey in Auxiliary and Fuel Handling Bldg.	B-3			Open/ *Stodda
G-15	Emergency RB Gas Purge Cleanup System.	A-3		On hold; no plan to implement.	Open/ *Collin
G-20	THE Airlock.	B-3		Airlock unnecessary at this time.	Inacti *Barret
	NOG contact				

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