

TECHNICAL WORKING GROUP

1000

6/19/79

1. Agenda, 6/19/79 Technical Working Group
2. Radiqactive Releases and RCS Profile
3. Top Priorities. List
4. Action Items Technical Working Group 1100, 6/12/79
5. Task Lists

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ACTION ITEMS

6/13/79

TECHNICAL WORKING GROUP

1100

6/12/79

1. Continue to follow new Steam By-Pass Valve curve. Herbein
2. Formalize additional instructions to close By-Pass Valve at routine time each day. Wilson
3. Continue evaluation of causes of level discrepancies in containment water level readings. Herbein
4. Provide assessment of disadvantage and adverse affect on carbon steel due to the flooding of containment building. Wilson
5. Perform mock-up testing to simulate containment corrosion environment on various materials. Wilson
6. Be prepared to discuss the revised heat balance calculations of the RCS at the next Tech Group meeting. Wilson
7. Develop schedule and program for completion of Tank Farm project for B. Arnold review on 6/13/79. Hirst/
Cobean
8. Provide recommendation as to lowering temp of "B" STG to 110^o. Wilson/
B&W
9. Look for alternate to putting remote control panel for PV system in Unit 2 control room. Wilson/
Herbein
10. Provide status of PV control system procedures to B. Arnold. Wilson
11. Develop contingency plan for EIPCOR II processed water on site before discharge to river exclusive of Unit 1 capability. Rusche/
Herbein
12. Obtain B&W's recommendation as to TC remaining above 150^oF. Wilson

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TECHNICAL WORKING GROUP

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A G E N D A

TECHNICAL WORKING GROUP

1000

6/19/79

1. Radioactive Releases

- a. 748, Auxiliary Building Fans
- b. Point Sources - Compressors
- c. Dome Monitor - Containment Survey (14" Penetration)

2. Plant Status

- a. RCS Profile
- b. Containment Water Level
Reactor Building Pressure
Elect Checks - Critical Equipment
- c. Plant Operations Schedule
Sample Results -

3. Analysis

- a. Revised Heat Balance Presentation

4. Pre-operational Testing

Estimated Completion

- | | |
|---|-------------------------------|
| a. Tank Farm | 6/22 |
| b. OTSG "B" Long-term Cooling
(Readiness to operate) | Completed (except insulation) |
| c. EPICOR (CAP-GUN II) | 7/9 |
| d. RCS Pressure/Volume Control
Turnover for Testing | 6/25 |

5. Construction Status

- a. Alternate Decay Heat Removal
 - System Tie-Ins 6/29
 - Available for Net-Ed Acceptance Test 7/15
 - Valve Pit Concrete Work 8/15

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<u>RELEASES</u>	<u>0500 6/13/79</u>	<u>0500 6/14/79</u>	<u>0500 6/15/79</u>
748	1.68×10^{-9}	2.03×10^{-9}	1.94×10^{-9}
219	1.07×10^{-11}	—	—
Inlet	4.8×10^{-10}	2.15×10^{-9}	7.11×10^{-10}
Train # 1	1.12×10^{-11}	9.07×10^{-13}	1.47×10^{-12}
Train # 2	1.0×10^{-12}	1.29×10^{-12}	7.33×10^{-13}
Train # 3	1.2×10^{-12}	7.68×10^{-13}	4.17×10^{-13}
Train # 4	$< 1.6 \times 10^{-13}$	$< 2.1 \times 10^{-13}$	$< 2.3 \times 10^{-13}$

REACTOR COOLANT SYSTEM PROFILEPLANT STATUS

	<u>0500 6/13/79</u>		<u>0500 6/14/79</u>		<u>0500 6/15/79</u>	
	A	B	A	B	A	B
Th	160.5	162.0	159.7	161.3	160.2	161.9
Tc	156.8	107.2	150.4	107.0	151.0	106.4
ΔT	9.7	54.8	9.3	54.3	9.2	55.5
Tstm	147.8	129.1	147.2	127.7	147.8	128.6
Level Cal.	SOLID		SOLID		SOLID	
DVM	—		—		—	
R.C. Press.	Heise -- DVM - 343		350		347	
S/G Level	412"	96%	430"	96%	415"	96%
Turb. B/P	34%	Closed	38%	Closed	37%	Closed
I.C.T. High	277.5		275.9		275.5	
Min.	143.9		143.2		143.2	
M.U. Temp.	138.2		138.2		139.1	

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<u>RELEASES</u>	<u>0500 6/16/79</u>	<u>0500 6/17/79</u>	<u>0500 6/18/79</u>
748	2.65 x 10 ⁻⁹	1.69 x 10 ⁻¹⁰	1.69 x 10 ⁻¹⁰
HPR 220	<5.28 x 10 ⁻¹⁴	<5.70 x 10 ⁻¹⁴	<5.82 x 10 ⁻¹⁴
Inlet	5.10 x 10 ⁻¹⁰	8.23 x 10 ⁻¹⁰	5.19 x 10 ⁻¹⁰
Train #1	2.80 x 10 ⁻¹³	1.22 x 10 ⁻¹²	1.31 x 10 ⁻¹¹
Train #2	2.89 x 10 ⁻¹³	5.88 x 10 ⁻¹³	<3.37 x 10 ⁻¹²
Train #3	2.90 x 10 ⁻¹³	<4.96 x 10 ⁻¹²	2.81 x 10 ⁻¹²
Train #4	6.40 x 10 ⁻¹³	<3.66 x 10 ⁻¹³	7.91 x 10 ⁻¹³

REACTOR COOLANT SYSTEM PROFILEPLANT STATUS

	<u>0500 6/16/79</u>		<u>0500 6/17/79</u>		<u>0500 6/18/79</u>	
	A	B	A	B	A	B
Th	159.1	161.1	159.3	161.0	159.0	160.7
Tc	149.3	131.1	150.5	112.7	150.4	105.3
ΔT	9.8	29.8	8.8	48.3	8.6	55.4
Tstm	146.6	129.1	146.9	127.9	146.7	125.3
PZR Level Cal.	Solid		Solid		Solid	
DVM	-		-		-	
R.C. Press.	-		-		358 (Heise)	
	347		345		358.9 (DVM)	
S/G Level	416"	96%	408"	96%	435"	96.6%
Turb. B/P	37% Closed		37% Closed		36% Closed	
I.C.T. High	273.7		273.3		272.7	
Min.	142.4		142.6		142.4	
M. U. Temp.	139.0		140.4		139.8	

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<u>RELEASES</u>	<u>0500 6/19/79</u>
748	6.50×10^{-10}
HPR 220	$< 5.70 \times 10^{-14}$
Inlet	4.42×10^{-10}
Train #1	4.49×10^{-13}
Train #2	2.68×10^{-13}
Train #3	1.20×10^{-12}
Train #4	$< 1.80 \times 10^{-13}$

REACTOR COOLANT SYSTEM PROFILEPLANT STATUS

	<u>0500 6/19/79</u>	
	A	B
Th	159.3	160.7
Tc	149.9	103.4
ΔT	9.4	57.3
Tstm	147.6	124.7
PZR Level Cal.	Solid	
DVM	-	
R.C. Press.	Heise	358
	DVM	360
	Cavity	370
S/G Level	405"	out of service
Turb. B/P	36% Closed	
I.C.T. High	272.3	
Min.	142.5	
M.U. Temp.	139.1	

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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. |

ACTION ITEMS

6/19/79

TECHNICAL WORKING GROUP

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6/19/79

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PLANT OPERATION STAFF.

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Plant Status	A-1	On-going	Solid at approx. 350 psig.	
2.	Get recommendation on running OTSG "B"	C-1		Op. instr. to be provided by B&R for pump & demin. ops.	
3.	Obtain RCS Sample (Primary letdown). Obtain PZR Sample, and bleed tank samples.	C-1	On-going		Hetrick
4.	Erect high radiation doors in Auxiliary Building.			4 doors completed but 3 need HASPS, 1 having problem being evaluated.	Shovlin
5.	RB Sump Level	A-1	Revised gauge installation complete.	Convene group if water level elev. reading is 290.5.	Kunder
6.	Provide frequency of DH-V2 motor meggering.	A-1	On-going	Obtaining daily motor megger readings/sw-box reading.	Bensel
7.	Current leak rate	A-1		6/15, 0330; 495 gpm	

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PLANT MODIFICATIONS .

Task	Description	Priority	Expected Completion	Status	Task Coord.
WG-1	Install AB-FHB Filter System.	A-1	Punch list items to be completed.	System operational 5/11.	Shubert
WG-2 (L-1)	Decon. water in AB using EPICOR ion exchange process.	A-1	Punch list items to be completed.	Turned over for test 5/23.	Lacy/ Fricke
WG-6 (L-2)	Install storage vessels in Fuel Pool "A".	A-1	Turn over to be 6/22.		Gibson
WG-11	Water Chemistry Lab for use with CAP-GUN (WG-2).	A-1	Completed.	Turned over for test 5/23.	Tolle/ Rao
WG-12	Ventilation filtration system for decay heat pits.	A-1		Turned over for test 5/26.	Shubert
TS-3C	Develop complete package for long-term cooling OTSC "B".	C-1	Punch list items to be completed.	Completed 5/23.	Jordan/ Lanza
TS-6B	RCS pressure control system.	C-1	Complete by 6/8.	Turnover to test 6/19.	Miller/ Lilly
TS-14	Shielding for decay heat pump.	C-2		Turnover for test 7/5.	Lieberman
TS-15	Westinghouse ADHR.	C-1	Turnover for test 6/20.	See Westinghouse schedule.	
WG-19	New Sample Sink-Unit 2 .		Turnover for test 7/20.	ECM's on hold for re-eval. of criteria-long-term in-steam of short-term use. Decon model room 6/13.	Barrett/ Fricke

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Westinghouse

Task	Description	Priority	Expected Completion	Status	Task Coord.
TS-15	ADHRS Installation	C-1	7/15	Turnover slipped 20 days.	
	Westinghouse Engineering Design Complete	C-1	6/25 (As Built)	95% Complete	
	Assemble ADHR Skid	C-1	6/30	Mech. 100% complete, Elect. 85% complete.	
	Assemble CCW Skid	C-1	6/30	Mech. 100% complete, Elect. 85% complete.	
	Receive Control Trailer			On-Site	
	Install Panels & MCC in trailer	C-1	6/30		
	Complete Installation of Pipe Penetration Assemblies	C-1	Completed 6/15	100% complete except grouting.	
	Cut 12" Header and Weld Weldolet	C-1	6/24 - 6/29	On hold.	
	Cut 10" Header and Weld Weldolet Channel A	C-1	6/24 - 6/29	On hold.	
	Cut 10" Header and Weld Weldolet	C-1	6/24 - 6/29	On hold.	
	Complete Fit up and welding of inside piping (total of 42 field welds).	C-1	6/25	In progress.	
	Complete Fit up and welding of outside piping (total of 15 field welds)	C-1	Open	Excavation and support structure comp. (Dependent upon valve pit constr.)	
	Turn over to Met-Ed (Acceptance Test)			7/15	

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Task	Description	Priority	Expected Completion	Status	Task Coord.
L-1	Design, installation, and operation of EPICOR for Unit 2. See Plant Modifications (WG-2)	B-1			
L-2	Design, installation, and operation of emergency surge tanks (tank farm) in Unit 2 "A" Fuel Pool. See Plant Modifications (WG-6)	B-1			
L-10	Pursue activities on processing Unit 2 water through CAP-GUN to insure available freeboard for Unit 2.	A-1		Normal processing- Unit 1 limits remain as is.	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.	McComme Arthur/ *Bland
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.	McGoay/ Ross/ *Collin
L-47	Resolve sample lab requirements versus capabilities to support EPICOR I and II operations.	B-1		Lab requirements defined; procedures and equipment in place or on order. Lab procedures being developed by Rad Con. Eng.	Kraft
L-5	Change out AE/FHB HVAC vent filter train charcoal bed. * NRC contact	A-1	2007 263	"A" & "B" trains of the AE 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.	McComme Edward *Weller Spent in tray re to stor complet

WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
E-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		Preliminary sample results obtained from ORNL. Futher study involving need for additional samples is underway.	D. Witt R. Williams S. Kraus *J. Collins
-29	Investigate reported water collection in the "B" fuel pool obtain samples and make plans for disposition. Also investigate the preoperation condition of the fuel pool from a leakage standpoint.	E-2		Water from Unit 2 const. Sample needed.	William *Barrett
-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.	E-2		Alternate design Unit 1 side to be submitted 4/27/79.	McConn William *Barrett
-30	Reactor Purge System Charcoal Filter Sample.	A-2		RB purge filter sample all ready for analysis. Scheduled week of 5/20.	McConn *Collins
3-41	Develop filter management strategy.	B-2		Standard procedures to sample charcoal systems in review.	McConn

* NRC contact

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord
-42	Develop a program to assess and monitor I release sources.	B-2		Four-part approach: 1. E&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.	McCom McGoey Montgo SAI: Clin Peli VoII
I-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.	Snide: *Welle
L-20	Obtain a level measurement and a sample of water from the RB sump and basement.	B-3		Measurement using Heise Gauge being explored.	Ross, *Cual
L-30	Develop plan for radiation survey in Auxiliary and Fuel Handling Bldg.	B-3			Open/ *Stod
S-4	High level solid waste disposal investigation.	B-2		In progress.	Pasto Edwar *Welle *Coll
* NRC contact					

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord
-5	Temp. on site storage for Demin. Liners - Design.	B-2	Final storage proposal by GAI. Being assessed by WMA.	In progress.	Pastor Edward *Welle *Colli
-4	High level solid waste disposal investigation.	B-2		In progress.	M.K. P C.E. E *R. We *J. Co
5	Expand Solid Waste Disposal Study to include the design of a temporary on-site storage facility for demineralizer liners while awaiting casks.	B-2		Final storage proposal presented by GAI. Data to be assessed by WMA.	

* NRC contact

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