

File

TECHNICAL WORKING GROUP

1000

7/10/79

1. Agenda, 7/10/79 Technical Working Group
2. Radioactive Releases and RCS Profile
3. Top Priorities List
4. Action Items Technical Working Group 1300, 7/5/79
5. Task Lists

- 1) recalculation flow off or abnormal
- 2) very higher beta exposure than previously thought.
- 3) make std ratio for $\beta \neq \alpha$.
- 4) beta maybe more restrictive -

7/5 FC

PH 7.8

3544 Bq/m³

2.03 uCi/gm

26

0.39

Cs-137 101

Ba-140

H-3

Xe-131

Xe-133

I-131

Cs-134

Cs-136

Cs-137

H. 7

0.21

0.081

ND

H₂ - 195⁻ uCi/Kg

Cl - 4.5 ppm

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July 1 & 2 weekend.

A G E N D A

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*Since pen broken
won't tell us how they are
impaired. blocked.*
2 #3 FANS
2 #4 B FANS
Working

✓ 1. Radioactive Releases

- a. 748, Auxiliary Building Fans
- b. Point Sources - Compressors, valve alley

2. Plant Status

✓ a. RCS Profile

*275[#]
350 Temp .3 to .6 leak rate
ΔT 3 to 10" F*

✓ b. Containment Water Level 289.6 0.20
Reactor Building Pressure 7/10
Elect Checks - Critical Equipment

*16% bypass.
Back off to three and megaper
readings*

- c. Plant Operations Schedule
- Sample Results -

✓ 3. Analysis

- a. Vent System and Airborn Levels

4. Pre-operation Testing

Estimated Completion

- a. Tank Farm 7/13
- b. OTSG "B" Long-Term Cooling Complete (except insulation)
(Readiness to operate)
- c. EPICOR (CAP-GUN II) 8/4
- d. RCS Pressure/Volume Control Turnover for Testing 7/27

*Without 24 hrs of existing
it on the line.*

Mini decay heat system - Sept 2, 1979.

5. Construction Status

- a. Alternate Decay Heat Removal Turnover 7/20, valve pit 8/31

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<u>RELEASES</u>	<u>0500 7/6/79</u>	<u>0500 7/7/79</u>	<u>0500 7/8/79</u>
748	4.76×10^{-10}		
HPR 220	Not in Service		
Inlet	3.72×10^{-11}		
Train #1	$< 5.8 \times 10^{-14}$		
Train #2	No Sample		
Train #3	1.14×10^{-13}		
Train #4	1.83×10^{-13}		

REACTOR COOLANT SYSTEM PROFILEPLANT STATUS

	<u>0500 7/6/79</u>		<u>0500 7/7/79</u>		<u>0500 7/8/79</u>	
	A	B	A	B	A	B
Th	167.3	168.9	168.1	170.3	168.2	168.8
Tc	157.6	117.8	157.8	99.8	159.5	121.0
ΔT	9.7	51.1	10.3	70.5	10.1	47.8
Tstm	155.4	131.6	155.6	131.3	155.6	139.4
PZR Level	Cal.	Solid	Solid		Solid	
	DVM	-	-		-	
R. C. Press.	Heise	267	278		275	
	DVM	269	284		279	
	Cavity	275	-		-	
S/G Level		410" 295"	414" 315"		412" 320"	
Turb. B/P		16% Closed	16% Closed		16% Closed	
I.C.T.	High	267.2	268.4		268.2	
	Min.	148.2	151.2		150.6	
	Avg.	-	190.0		189.0	
M.U. Temp.		137.2	138.5		149.3	
Press. Temp.		380.8	383.6		379.7	

7/10/79

<u>RELEASES</u>	<u>0500 7/9/79</u>	<u>0500 7/10/79</u>
748		
HPR 220		
Inlet		
Train #1		
Train #2		
Train #3		
Train #4		

REACTOR COOLANT SYSTEM PROFILEPLANT STATUS

	<u>0500 7/9/79</u>		<u>0500 7/10/79</u>	
	A	B	A	B
Th	169.8	171.4	168.8	177.3
Tc	161.3	103.3	160.2	101.3
T	10.2	68.1	10.0	71.0
Tstm	157.4	137.0	157.8	135.2
PZR Level	Cal.	Solid	Solid	
	DVM	-	-	
R.C.Press.	Heise	267	268	
	DVM	270	269	
	Cavity	-	270	
S/G Level	416"	325 v.	424"	330 v.
Turb. B/P	16%	Closed	16%	Closed
I.C.T.	High	270.2	270.4	
	Min.	152.1	151.8	
	Avg.	192.0	192.0	
M.U. Temp.		142.2	141.6	
Press. Temp.		380.0	380.9	

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TOP PRIORITIES

- | | | |
|---|---|-----|
| 2 | Development of plan for management of radioactivity in Auxiliary and Containment Buildings. | A-1 |
| 3 | Identify and isolate sources of iodine leakage. | A-1 |
| 3 | Complete tank farm in Unit 2 spent fuel pool. | A-1 |
| 0 | Completion of EPICOR (CAP-GUN II) System. | A-2 |
| 0 | Development of plan for treatment of Auxiliary Building liquid waste. | B-1 |
| 3 | Complete "B" OTSG cooling and modification (long-term). | C-1 |
| 0 | Development of alternate system for pressure/volume control system. | C-1 |
| 0 | Complete external valve pit for ADER 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 Working Group Meeting

1300

7/5/79

1. By next meeting have a detailed report on the status of the Auxiliary Building ventilation system and what the general area airborne readings are at present. Rusche

2. Continue to follow turbine bypass valve curve "dated June 26, 1979." Wilson

3. Discontinue routine sample of Bleed Tank and sample only as required for Waste Management use. Rusche

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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		System operational 6/22, water transfer started 6/27.	Gibson
WG-12	Ventilation filtration system for decay heat pits.	A-1	7/12	In progress.	Shubert
TS-3C	Develop complete package for long-term cooling OTSG "2".	C-1	Punch list items to be completed.	System operational, procedures & testing in progress.	Jordan/ Lanza
TS-6B	RCS pressure volume control system.	C-1	Complete by 6/19.	Turnover to test 6/19.	Miller/ Lilly
TS-14	Shielding for decay heat pump.	C-2	7/5	Turnover for test 7/5.	Lieberman
TS-15	Westinghouse ADHR.	C-1	Turnover for test 7/15.	See Westinghouse schedule.	
WG-19	New Sample Sink-Unit 2		Turnover for test 7/20.	In progress.	Barrett/ Fricke

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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. 29C psig.	Operati
2.	OTSG "B" Long-term Cooling	C-1	Operable	Pre-requisite list in progress. Most procedures in NRC review.	Troutmar
3.	Obtain RCS Sample (Primary latdown). Obtain PZR Sample, and bleed tank samples.	C-1		Tuesday's sample (7/3) rescheduled for Thursday (7/5)	Hetrick
4.	R3 Sump measurements.	A-1		Convene group if water level elev. reading is 290.5 GPU to determine maximum allowable elevation.	Kunder
5.	Critical component meggering.	A-1	On-going	Daily: DH-V2, 171 CA-V-4A, weekly: same plus DH-V2 4CF-V115.	Bensel
6.	Current leak rate.	A-1		Continuing at approx. .5 gpm	Operatic
7.	Pressure Volume Control System	A-1	7/27	BSR will complete engr. for remote operation in Control Room.	Moore
			7/4	Estimate of N.I.S. time for tie-in of control panel in progress.	Moore/ Elam
8.	(a) Condensate pump problems.	A-1	On-going	After GPU pressure guidance & PVCS prerequisites, ready for on-line testing. CO-P-18 end bell replacement Check CO-P-1A,C for similar wear problems. End bell ordered - 150 days. Attempt to get one already.	Maintena:
	(b) Condensate booster pump problems.	A-1	On-going	Coupling, shaft	Smith manage

PLANT OPERATION STAFF

Task	Description	Priority	Expected Completion	Status	Task Coord.
9.	Equipment hatch radiation measurements.	A-2	7/3	Analysis in progress.	Fisher/ Menzel
10.	Gamma Probe through RB penetration.	A-2	7/3	Analysis in progress.	Walker

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Task	Description	Priority	Expected Completion	Status	Task Coord
TS-15	ADHR Installation	C-1	7/20 *	* Completion date currently under study.	
	Westinghouse Engineering Design Complete	C-1	7/30 (As Built)	95% Complete	
	Assemble ADHR Skid	C-1	7/14	Need to complete Instrument Pipe Vents & Drains	
	Assemble CCW Skid	C-1	7/14	Need to complete Instrument Pipe Vents & Drains	
	Receive Control Trailer		7/9	On-Site	
	Install Panels & MCC in trailer	C-1	6/30		
	Complete Installation of Pipe Penetration Assemblies	C-1	Completed 6/15	100%	
	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	7/21	In progress.	
	Complete Fit up and welding of outside piping (total of 15 field welds)	C-1	7/14	Dependent upon valve pit constr.	
	Turn over to Met-Ed (Acceptance Test)		7/31 *		
	Valve pit	C-1	9/8		

WASTE MANAGEMENT

Task	Description	Priority	Expected Completion	Status	Task Coord.
Technical					
1.	Tank Farm	A-1			
	a) inst. of submers. pumps		7/9/79	On-going	Staudt
	b) Proc. upper tank water to Halliburton tanks			In-progress	
7.	Hot Chem Lab in FHB	A-1		In-progress	
	a) criteria issued		7/10/79		Smith
	b) issue ECM (B&R)		7/13		Smith
8.	Farm Sample Sink	A-1		In-progress	
	a) criteria		7/15		Smith
	b) issue ECM(B&R)		7/22		Smith
Process					
2.	AB In-leakage	A-1	On-going	Unit 1: 1.74 gpm Unit 2: 0.35 gpm	Showalter
4.	EPICOR II	A-1			
	a) construction		7/13		McGoey
	b) start-up		7/13		McGoey
	c) procedures		7/13		McGoey
	d) training		7/14		McGoey
	e) appr. for processing		7/30		McGoey
	f) operability meeting		7/11		McGoey
	g) prerequisite list		6/28		McGoey
	h) process review meeting		7/13		McGoey
5.	Temporary sample sink	A-1			Devine
	a) criteria		7/10	0007 328	
	b) procedures				
	1. Flush		7/10		Hetrick
	2. O.P.		7/13		
Disposal					
1.	Waste shipments	A-1	On-going	Unit II compacted waste - 7/6	Flynn
	RCS Sample shipment		7/10		Flynn