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TECHNICAL WORKING GROUP

1100

6/12/79

1. Agenda, 6/12/79 Technical Working Group
2. Radioactive Releases and RCS Profile
3. Top Priorities List
4. Action Items Technical Working Group 1100, 6/8/79
5. Task Lists

0007 237

## A G E N D A

### TECHNICAL WORKING GROUP

1100

6/12/79

#### 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 (Reading Discrepancy)  
Reactor Building Pressure  
Elect Checks - Critical Equip/Decision Heights
- c. Plant Operations Schedule  
Pressurizer Solid Operation  
Sample Results - CL Confirmation  
Demineralizer Water System - Contamination  
"A" Leak Test

#### 3. Analysis

- a. Re-evaluation of existing recommendation to draw a bubble vs. solid operation.
- b. Reduction to 300 psig - Increase in loss of pressure protection?
- c. Re-evaluate the curve supplied for throttling steam bypass based upon present temperature and pressure conditions.

#### 4. Pre-operational Testing

##### Estimated Completion

- a. Tank Farm *UNKNOWN - need all piping as backlogs*
- b. OTSG "B" Long-term Cooling *can put into oper. if no problems from S. & W.*  
(Readiness to operate) 6/19
- c. EPICOR (CAP-GUN II) *not done 7/20 (not before) check, sample lines WEST to this*

#### 5. Construction Status

- a. RCS Pressure/Volume Control Turnover for testing 6/13 *operational by end of week before*
- b. Alternate Decay Heat Removal System Tie-Ins 7/15 *2007 238*

*int. stor. 6 days for backfilling, 5 days for gravel & asphalt.*

<u>RELEASES</u>	<u>0500 6/8/79</u>	<u>0500 6/9/79</u>	<u>0500 6/10/79</u>
748	$2.93 \times 10^{-8}$	$8.67 \times 10^{-9}$	$4.31 \times 10^{-9}$
219	-----	-----	-----
Inlet	$4.90 \times 10^{-10}$	$5.0 \times 10^{-10}$	$5.1 \times 10^{-10}$
Train #1	$2.23 \times 10^{-12}$	$3.16 \times 10^{-13}$	$2.3 \times 10^{-12}$
Train #2	$2.79 \times 10^{-12}$	$3.16 \times 10^{-12}$	$3.04 \times 10^{-12}$
Train #3	$2.70 \times 10^{-12}$	$2.62 \times 10^{-12}$	$1.4 \times 10^{-12}$
Train #4	$6.37 \times 10^{-13}$	$2.0 \times 10^{-13}$	$< 3.2 \times 10^{-13}$

# REACTOR COOLANT SYSTEM PROFILE

## PLANT STATUS

	<u>0500 6/8/79</u>		<u>0500 6/9/79</u>		<u>0500 6/10/79</u>	
	A	B	A	B	A	B
Th	160.0	161.3	160.6	161.7	162.0	162.9
Tc	150.2	104.9	150.5	117.7	151.4	105.5
$\Delta T$	9.8	56.4	10.1	44.0	10.6	57.4
Tstm	147.2	128.8	147.5	131.9	149.3	131.2
PZR Level Cal.	SOLID		SOLID		SOLID	
DVM	-		-		-	
R.C. Press.	--		--		--	
	346		343		341	
S/G Level	407"	96%	416"		96%	
Turb. B/P	45%	Closed	45%	Closed	38%	Closed
I.C.T. High	280.0		279.7		281.7	
Min.	143.5		144.7		144.7	
M.U. Temp.	130		131		134	



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<u>RELEASES</u>	<u>0500 6/11/79</u>	<u>0500 6/12/79</u>
748	$3.27 \times 10^{-9}$	$1.95 \times 10^{-9}$
219	$1.02 \times 10^{-11}$	<i>not sampled</i>
Inlet	$3.6 \times 10^{-10}$	$4.30 \times 10^{-10}$
Train #1	$1.8 \times 10^{-12}$	$1.86 \times 10^{-12}$
Train #2	$1.9 \times 10^{-12}$	$1.67 \times 10^{-12}$
Train #3	$1.9 \times 10^{-12}$	$7.23 \times 10^{-13}$
Train #4	$< 3.4 \times 10^{-13}$	$< 3.35 \times 10^{-13}$

REACTOR COOLANT SYSTEM PROFILE

PLANT STATUS

	<u>0500 6/11/79</u>		<u>0500 6/12/79</u>	
	A	B	A	B
Th	161.5	163.1	160.7	162.6
Tc	152.4	105.9	151.5	107.3
$\Delta T$	9.1	57.2	9.2	55.3
Tstm	149.1	128.8	148.1	127.9
Level Cal.	SOLID		SOLID	
DVM	-		-	
R.C. Press.	Heise - - DVM - 345		346	
S/G Level	418"	96%	430"	96%
Turb. B/P	38%	Closed	38%	CLOSED
I.C.T. High	279.3		278.8	
Min.	145.0		144.3	
M.U. Temp.	141.6		138.6	

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TOP PRIORITIES

6/12/79

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

6/12/79

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6/5/79

ITEMS

ACTION

- |  |  |
|--|--|
| 1. Prepare recommendation as to operation of door (Aux./F.H. Bldg.) in conjunction with supply fans and coordinate test requirements.  | Hirst/<br>Rusche                         |
| 2. Investigate the causes of the increase in radiation levels as water was transferred from the Aux. Bldg. Sump to the concentrate waste tank. Should this be expected in future waste management liquid movements?  | Rusche                                   |
| 3. Confirm discrepancies in containment water level for action directive on use of coolers for negative reactor building pressure.   | Arnold/<br>Herbein/<br>Wilson/<br>Rusche |
| 4. Leave RR coolers secured until containment water level is confirmed.  | Herbein                                  |
| 5. Provide assessment of integrated reactor building equipment list as to priority and frequency of meggar readings.   | Wilson                                   |
| 6. Provide decision heights based on electrical equipment list and critical components and systems.  | Wilson                                   |
| 7. Verify chloride - readings in "A" Bleed Tank Sample of 6/7.   | B&W                                      |
| 8. Recommendation and action as to increasing PH based on sample results and B&W recommendation.   | Wilson/<br>B&W/<br>Herbein               |
| 9. Conduct review of piping systems interfacing between the RCS and various support systems to identify positive methods of determining transfer of highly contaminated RCS to lesser contaminated or clean systems. | Wilson                                   |
| 10. Redo Steam By-Pass Valve position curve over time to indicate "% Demand Signal vs. Time". No further valve action is to be taken until new curve is published.   | Wilson/<br>Herbein                       |
| 11. Proceed with transfer of approximately 300 gallon from lower to upper tanks in Tank Farm.  | Hirst                                    |

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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 On-going	"A" Bleed 6/15	Hetrick
4.	Isolate Unit #1 and #2 sample stations.		6/11	See Plant Mods.	Limroth/ McGoey
5.	Erect high radiation doors in Auxiliary Building.			4 fabricated, installation in progress.	Shovlin
6.	RB Sump Level	A-1	Revised gauge installation complete.	Reviewing calculations.	Kunder
7.	Provide frequency of DH-V2 motor meggering.	A-1	On-going	Obtaining daily motor megger readings/sw-box reading.	Bensel
8.	Current leak rate	A-1		6/4, 1200; .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 6/15.		Gibson
WG-11	Water Chemistry Lab for use with CAP-GUN (WG-2).	A-1	Punch list items to be 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 OTSG "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 6/8.	Miller/ Lilly
TS-14	Shielding for decay heat pump.	C-2		Turned over for test 5/28.	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. Start work 6/14	ECM's on hold for re-eval. of criteria-long-term instead of short-term use.  Decon model room 6/13.	

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Task	Description	Priority	Expected Completion	Status	Task Coord.
TS-15	ADHRS Installation	C-1	7/15	Turnover slipped 20 days.	
	Westinghouse Engineering Design Complete	"	6/25 (AS BUILTS)	95% Complete	
	Valve Pit Design Complete (35R)	"	Complete	Ⓜ Review Complete	
	Assemble ADHR Skid	"	6/30	Mech. 100% Complete, Elect 85% Complete.	
	Assemble CCW Skid	"	6/30	Mech. 100% Complete, Elect 85% Complete.	
	Receive Control Trailer			On-Site	
	Install Panels & MCC in Trailer	"	6/30		
	Install Isolation Box	"	Actual 5/20	Complete	
	Core Boring (12 holes)	"	6/3	Complete	
	Complete Installation of Pipe Penetration Assemblies	"	6/14	90% complete except grouting	
	Cut 12" Header and Weld Weldolet	"	6/24 - 6/29	On Hold	
	Cut 10" Header and Weld Weldolet Channel A	"		On Hold	
	Cut 10" Header and Weld Weldolet	"		On Hold	
	Complete Fit Up and Welding of Inside Piping (Total of 42 Field Welds)	"	6/25	In progress	
	Complete Fit Up & Welding of Outside Piping (Total of 15 Field Welds)	"	Open	Excavation and support structure comp. (Dependent upon valve pit constr.	
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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. 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.	McConnell Arthur/ *Eland
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.	McGee/ Ross/ *Collins
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
3-5	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.	McConnell Edwards, *Weller
	* NRC contact		0007 246		Spent filter tray removed to storage completed

# WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
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		Preliminary sample results obtained from ORNL. Further study involving need for additional samples is underway.	D. Nitti R. Willi S. Kraft *J. Coll
L-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.	B-2		Water from Unit 2 const. Sample needed.	Williams *Barrett
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.	McConne William *Barrett
G-30	Reactor Purge System Charcoal Filter Sample.	A-2		RB purge filter sample all ready for analysis. Scheduled week of 5/20.	McConne *Collins
G-41	Develop filter management strategy.	B-2		Standard procedures to sample charcoal systems in review.	McConne
* NRC contact					

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
G-42	Develop a program to assess and monitor I release sources.	B-2		Four-part approach: 1. ESR 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.	McConnel McGoey/ Montgome SAI: Cline/ Pelitt Volleg
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.	Saider/ *Weller
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/ *Cualin
L-30	Develop plan for radiation survey in Auxiliary and Fuel Handling Bldg.	B-3			Open/ *Stodda
S-4	High level solid waste disposal investigation.	B-2		In progress.	Pastor. Edward. *Weller *Collin
	* NRC contact				

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## WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
3-5	Temp. on site storage for Demin. Liners - Design.	B-2	Final storage proposal by GAI. Being assessed by WMA.	In progress.	Pastor/ Edwards/ *Weller/ *Collins
3-4	High level solid waste disposal investigation.	B-2		In progress.	M.K. Pas C.E. Edw. *R. Well *J. Coll
3-5	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					