

6/1/79

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TECHNICAL WORKING GROUP

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6/1/79

1. Agendas, 6/1/79 Technical Working Group
2. Radioactive Releases and RCS Profile
3. Top Priorities List
4. Action Items Technical Working Group 0900, 5/29/79
5. Task Lists

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A G E N D A

TECHNICAL WORKING GROUP

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6/1/79

1. Radioactive Releases

- a. 748, Auxiliary Building Fans
- b. Point Sources
- c. Dome Monitor - Containment Survey
- d. Containment Equipment Hatch Survey
- e. Containment Penetration Survey

2. Plant Status

- a. RCS Profile
- b. Containment Water Level
 - Pressure Check - Coolers (A&B)
 - Elect Check - Critical Equip
- c. Plant Operations Schedule
 - Pressurizer Solid Operation
 - Samples - PH Adjustment

3. Analysis

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

4. Preoperational Testing

- a. Tank Farm (Zero Leak Testing)
- b. OTSG "B" Long-Term Cooling
- c. EPICOR (CAP-GUN II)

5. Construction Status

Estimated Completion

- | | |
|---|------|
| a. RCS Pressure/Volume Control Turnover for Testing | 6/1 |
| b. Alternate Decay Heat Removal System Tie-Ins | 6/16 |

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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 EIPCOR (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

TECHNICAL WORKING GROUP

0900

5/29/79

<u>ITEMS</u>	<u>ACTION</u>
1. Collect pressurizer sample 5/29	Hetrick
2. Collect reactor coolant sample and send RCS/PRZ sample to B&W Lynchburg for analysis.	Hetrick
3. Evaluate best flowpath for the addition of NaOH (35% @ 683 liters) to primary for a resultant pH of 8.1.	Wilson/ Herbein
4. Punch List for long term "B" OTSG cooling - work for zero leakage.	Hirst/ Herbein

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. Hard
LS.3	Initial Reporting of Event.	1	5/15 to NRC.	Active.	R.A. Leng
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	?		Croneberge
AA 80.	Analytical and Tech. Planning Support for updated procedures (EP-32, etc.).	1	?	Continuing.	J.A. Dani
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 RB sump 4/30 through 5/16.	1	?	Active.	J. Moore
TM. 37	Installation of cartridge-type Demineralizer for clean-up of S.C. "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	?	?	

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TECHNICAL SUPPORT

Task	Description	Priority	Expected Completion	Status	Task Coord.
LS 5	Continued reporting to the NRC	1	On-Going	Last report sent 5/16/79	L. Harding
LS 8	Met-Ed Surveillance	1	On-Going	To be done on 6/14/79	L. Harding
LS 14	Investigate reportability of radioactive material dumping in the landfill area of TMI of 5/16/79	1		In Progress	L. Harding
LS 15	Assist in the development of Radiological Effluent-Tech Specs	1		In Progress	L. Harding
LS 16	Investigate obtaining a permit to dump in the landfill area.			In Progress	L. Harding

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
1-1	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
1-2	Design, installation, and operation of emergency surge tanks (tank farm) in Unit 2 "A" Fuel Pool.	B-1	5/23	75% comp. piping in FHB. 30% comp. welds in AB pipe, FB 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.	Reirmann/ Snider/ *Weller/ *Collins
1-10	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
1-14	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

* WMC 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 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	5/10	Report issued 5/10; complete.	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. Four (4) fans are operable, 3 or 4 are running.	Montgon It'shne *Collins

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* WMS contact

WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
-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.	McConne: Edwards, *Weller
31	Determine air flow paths in AB/FHB.	A-1		Operating matrix developed and available.	Nawaz/ Itschner/ Robison/ *Weller
31	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
	* WRC contact			2007 177	

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.	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 AS waste for transuranic content. Insure that Mat-Ed Cps. 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

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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.	Reinman 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.	McConne: William: *Barrett
L-37	Develop a plan for removing all radioactive gases from the systems in the AE and FHB.	B-2		Requires completion of L-14	McConnel *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		RE purge filter sample all ready for analysis. Scheduled week of 5/20.	McConnel *Collins
G-33	Desensitize AE and FHB Filter Monitors.	A-2		Preliminary investigation - desensitization infensible.	Sieg/ *Stoddart
	* NRC contact				

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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		BSR 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.	McConne *Lee
G-41	Develop filter management strategy.	B-2		Standard procedures to sample charcoal systems in review.	McConne
G-42	Develop a program to assess and monitor I release sources.	B-2	2007 180	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.	McConne McGoey/ Montgom SAI: Cline/ Pelitt Volles

WASTE MANAGEMENT GROUP

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/ *Weller
L-16	Low-level waste (paper, rags, wood, etc.) disposal.	B-3		In progress; second compactor ordered.	Edwards *Weller/ *Collins
L-17	Develop CAP-GUN 3 System.	B-3		Initial planning only. Detail design scheduled to start 4/25/79.	Snider/ *Weller/ *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/ *Cwalina
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/ *Stoddard
G-15	Emergency RB Gas Purge Cleanup System.	A-3		On hold; no plan to implement.	Open/ *Collins
G-29	FHE Airlock.	B-3		Airlock unnecessary at this time.	Inactive/ *Barrett
S-4	High level solid waste disposal investigation.	B-2		In Progress.	Pastor/ Edwards/ *Weller/ *Collins
S-5	Temp. on site storage for Demin. Liners - Design. *NRC contact	B-2	Final storage proposal by GAI. Being assessed by WMA.	In Progress	Pastor/ Edwards/ *Weller/ *Collins

PLANT OPERATION STAFF

Task	Description	Priority	Expected Completion	Status	Task Coord.
1.	Plant Status.	A-1		Solid at 350 psig.	
2.	Get recommendation on running OTSG "B".	C-1		Plan for cutting Kunder into OTSG "B". Demin water pump operations to be investigated 5/31.	Kunder
3.	Obtain RCS sample (Primary letdown). Obtain PZR sample.	C-1	5/31 (noon)		Hetrick
4.	Remove water from "B" Fuel Pool.	B-1		In progress.	Kunder/Log
5.	Isolate Unit #1 and #2 sample stations.		6/11	New Unit #2 sink. WG-19 Working 4A.	Limroth/ McGoey
6.	Repair DW-P-4A.				
7.	CO-P-1B repair motor.	C-1		Motor on site. Turning rough-ready to run 5/31.	Shovlin
8.	Erect high radiation doors in Auxiliary Building		5/29	Have explored 2 areas-(unacceptable) 3rd area under consideration	Shovlin
9.	RB Sump Level	A-1		Need procedure to revise level inst. tubing.	Moore/ Shovlin
10.	Take RB Gas Sample	A-1		Scope out run of recombiner for sample.	Hetrick
11.	Provide frequency of DH-V2 motor meggering.	A-1		In progress	Moore

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Westinghouse

Task	Description	Priority	Expected Completion	Status	Task Coord.
TS-15	ADHRS Installation	C-1	6/25	See below	
	Westinghouse Engineering Design Complete	"	6/25 (AS BUILTS)	95% Complete	
	Valve Pit Design Complete (B&R)	"	Complete	Ⓜ Review	
	Assemble ADHR Skid	"	6/2	Mech. 95% Complete, Elect 80% Complete.	
	Assemble CCW Skid	"	6/2	Mech. 95% Complete, Elect 80% Complete.	
	Receive Control Trailer			On-Site	
	Install Panels & MCC in Trailer	"	6/15	(1)MCC on-site Awaiting (1) MCC Complete	
	Install Isolation Box	"	Actual 5/20	Complete	
	Core Boring (12 holes)	"	6/3	Drilling in progress. 80% = 9 1/2 holes.	
	Complete Installation of Pipe Penetration Assemblies	"	6/10	Done after Core Drilling	
	Cut 12" Header and Weld Weldolet	"		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	1 Weld Complete	
	Complete Fit Up & Welding of Outside Piping (Total of 15 Field Welds)	"	6/25	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/ *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.	McGoey/ 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
G-5	Change out AB/FHB HVAC vent filter train charcoal bed. * NRC contact	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 Spent filter tray removal to storage completed.

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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. Futher study involving need for additional samples is underway.	D. Nitti R. Williams S. Kraft *J. Collins
L-29	Investigate reported water collection in the "B" fuel pool obtain samples and make plans for dispostion. 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.	McConnell/ Williams/ *Barrett
G-30	Reactor Purge System Charcoal Filter Sample.	A-2		RB purge filter sample all ready for analysis. Scheduled week of 5/20.	McConnell/ *Collins
G-41	Develop filter management strategy.	B-2		Standard procedures to sample charcoal systems in review.	McConnell
	* 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		<p>Four-part approach:</p> <ol style="list-style-type: none"> 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. 	<p>McConnell/ McGoey/ Montgomery SAI: Cline/ Pelittier Vollegue</p>
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		<p>Proposal to be received from chem-nuclear 5/4/79.</p>	<p>Snider/ *Weller</p>
L-20	Obtain a level measurement and a sample of water from the RB sump and basement.	B-3		<p>Measurement using Heise Gauge being explored.</p>	<p>Ross/ *Cwalina</p>
L-30	Develop plan for radiation survey in Auxiliary and Fuel Handling Bldg.	B-3			<p>Open/ *Stoddart</p>
S-4	High level solid waste disposal investigation.	B-2		<p>In progress.</p>	<p>Pastor/ Edwards/ *Weller *Collins</p>
<p>* NRC contact</p>					

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WASTE MANAGEMENT GROUP

Task	Description	Priority	Expected Completion	Status	Task Coord.
S-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
S-4	High level solid waste disposal investigation.	B-2		In progress.	M.K. Pastor C.E. Edward *R. Weller *J. Collins
S-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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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 be 6/2.		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 6/1.	Turnover to test 6/2.	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 6/20.	See Westinghouse schedule-	

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