

NRC

AP 1001  
Figure 1001-8

Three Mile Island Nuclear Station  
Special Operating Procedure

SIDE 1  
SOP No. E-86  
(From SOP Log Index)

NOTE: Instructions and Guidelines in AP 1001 must be followed when completing this form.

Rev. 0

Unit No. 7  
Date 4/9/79

1. Title TRANSFER MWHT TO CONCENTRATE WASTE TANK

2. Purpose (include purpose of SOP)  
PROVIDE INSTRUCTIONS TO TRANSFER MWHT TO CONCENTRATE WASTE TANK.

3. Attach procedure to this form written according to the following format.

A. Limitations and Precautions

1. Nuclear Safety
2. Environmental Safety
3. Personnel Safety
4. Equipment Protection

Attached

B. Prerequisites

C. Procedure

4. Generated by Gwen Murray / yandall Date 4/1/79

5. Duration of SOP - Shall be no longer than 90 days from the effective date of the SOP or (a) or (b) below - whichever occurs first.

(a) SOP will be cancelled by incorporation into existing or new permanent procedure submitted by \_\_\_\_\_

(b) SOP is not valid after Completion   
(fill in circumstances which will result in SOP being cancelled)

6. (a) Is the procedure Nuclear Safety Related?

If "yes", complete Nuclear Safety Evaluation. (Side 2 of this Form) . . . . . Yes  No

(b) Does the procedure affect Environmental Protection?

If "yes", complete Environmental Evaluation. (Side 2 of this Form) . . . . . Yes  No

(c) Does the procedure affect radiation exposure to personnel? . . . . .

Yes  No

NOTE: If all answers are "no", the change may be approved by the Shift Supervisor. If any questions are answered "yes", the change must be approved by the Station Superintendent/Unit Superintendent.

7. Review and Approval

B+W U. A. Sp...	Approved - Shift Supervisor	<u>B. Mehl</u>	<u>4-9-79</u>
ALARA <u>W. G. ...</u>	Reviewed - List members of PORG contacted	<u>RP Warren</u>	<u>4/9/79</u>
NRC <u>C. F. ...</u>		<u>RW Benson</u>	<u>4/9/79</u>
		<u>J. Beckwith</u>	<u>4/9/79</u>
	Approved-Station Superintendent/Unit Superintendent	<u>J. L. Keelinger</u>	<u>4/9/79</u>

8. SOP is Cancelled

Shift Supervisor/Shift Foreman

Date

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## A. Limits &amp; Precautions

1. Nuclear Safety - N/A
2. Environmental Safety - W/A
3. Personnel Safety - Comply with RWP
4. Equipment Protection
  - a. Monitor tank levels during transfer (record initial and final levels)
  - b. Isolate the vent header and Nitrogen Service from the evap.
  - c. Do not operate the evaporator pumps for an ~~extended~~ period greater than 30sec without an open flow path.
  - d. Monitor tank levels during the transfer

## B. Prerequisites

1. Obtain Unit Superintendent Approval
2. Notify NRC/NRR
3. Establish communications between the radwaste panel and the evaporator control station
4. Complete the portion of the evaporator procedure providing electric supply to the evaporator and its controls.
5. Verify that at least one feed pump is operational by recircing a small quantity of the feed tank contents through the eductor.
6. Place all of the valve indicator controllers in manual and manually with thumb wheel close the valves or verify closed.
7. Verify other transfers do not interfere with this transfer.
8. The internals are removed from WDC-U 1067.



1. Establish normal recirculation of the Misc Waste Holdup Tank.

1. a Record the initial levels of the MWST and CWST.

2. Perform the following valve line up

Close WDL V 269 A(B)

Open WDL V 269 A(B)

Close WDL V 433

Open WDL V 371

Close WDL V 370

Close WDL V 251

Open WDL V 915

Open WDL V 372

Open WDL V 1168

Open WDL V 1169

Close WDL V 41

Open WDL V 1170

Open WDL V ~~138~~ 139

Open WDL V 44

Open WPS V 109

Open WDS V 3

WDL-V-424 Close

WDL-V-1172 Close

~~WDL-V-138~~ Open

WDL-V-42 Close

WDS-V-151 Close

WDS-V-128 Close

WDL-V-65B Close

3. Place the Evaporator Feed Tank Level Controller LIC 23 at 29 inch and place in the auto mode

4. Place the Concentrates Flow indicator controller LIC 66 in manual and open the valve 100% with the thumb wheel

6. When the ~~flow~~ feed tank level begins to rise start the feed pump (a or b) and concentrates removal pump.

7. Maintain level between 20-30 inches by ~~operator~~ throttling LIC-66.

8. Monitor the level change in the Unit 2 CWST

9. When the tank is at or below 11.5 feet stop the process by:

1. Closing LIC 66

2. Stopping the feed and concentrates pumps

3. Closing LIC #23

9. a Record final levels of MWHT and CWST.

10. Follow up line up:

Close WDS U 3

Close WDS U 109

Close WDC U 44

Close WDC U 1170

Close WDC U 1169

Close WDC U 1168

Close WDC U 433

Close WDC U 264 A(B)

11. Stop recirc at direction of Shift Foreman

DATA: INITIAL TANK LEVELS

MWHT \_\_\_\_\_ FT

CWST \_\_\_\_\_ FT

FINAL TANK LEVELS

MWHT \_\_\_\_\_ FT

CWST \_\_\_\_\_ FT

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