

AP 1001
Form 1001-8

Three Mile Island Nuclear Station
Special Operating Procedure

NRC

SIDE 1

SOP No. 2-59
(From SOP Log Index)

Unit No. Station

Date 4-6-79

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

1. Title Transferring ^{secondary} water to Unit 1

2. Purpose (Include purpose of SOP)
To transfer Unit 2 condensate storage tank overflow to unit 1 Condensate Storage tanks

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
B. Prerequisites
C. Procedure
) See Attached

4. Generated by R Warren Date 4-1-79

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 Unit Superintendent.

7. Review and Approval		TMI-1	TMI-2
Approved - Shift Supervisor	<u>NRC</u>	<u>B. Medina</u>	<u>S. Medina</u>
Reviewed - List members of PORC contacted	<u>ALARA</u>	<u>R.C. Kerstetter</u>	<u>J. DeLuca</u>
	<u>B.W.</u>	<u>T.P. White 4/6/79</u>	<u>R.C. Kern 4/6/79</u>
	<u>4/6/79</u>	<u>T.P. White 4-6-79</u>	<u>R.P. Warren 4/6/79</u>
Approved - Unit Superintendent	<u>J. Puller</u>	<u>S. Medina 4-6-79</u>	<u>J. DeLuca 4/6/79</u>

8. SOP is Cancelled
Shift Supervisor/Shift Foreman _____ Date 131 218

LIMITATIONS & PRECAUTIONS

Take Spec. limit of

1. Nuclear Safety - Do not drain below $\sim 100,000$ gal. combined total of CO-T-1A + CO-T-1B
2. Environmental Safety -
 - a. Treat condensate as potentially contaminated

3. Personnel Safety

- a. Condensate may be contaminated. Wear protective clothing and exercise caution when handling condensate

Note: If condensate is contaminated it will not be transferred to Unit 1.

4. Equipment Protection - None

PREREQUISITES

1. Overflow lines from CO-T-1A and CO-T-1B are each connected to a tank truck to receive any overflow from tanks.
2. Install non-collapsible ^{fire} hose to ^{portable} pump suction for pumping _{tank truck} into Unit 1 CO-T-1A.
3. Obtain approval from Garry Miller before transferring overflow to Unit 1.
4. Take sample for isotopic analysis.

PROCEDURE

- 1 Frequently ~~periodically~~ monitor water level in tank truck by monitoring standpipe located on side of truck
- 2 When tank truck level approaches $\frac{3}{4}$ full, move spare tank truck in position and connect to second hose off condensate storage tank. Install standpipe to spare tank truck.
- 3 When tank truck is nearly full, open spare tank truck isolation valve and close tank truck isolation valve; thereby placing spare tank truck in service.
- 4 Obtain sample of condensate from tank truck.
HP/Chemistry is to perform ^{and chemical} an isotropic analysis and if $\leq MDA$ move truck to Unit 1 condensate storage tank CO-T-1A for off loading. Also obtain approval from Jerry Miller to terminate 1st sample
~~if $> MDA$~~
- 5 ~~Book tank truck discharge to suction of portable pump located near Unit 1 CO-T-1A~~
do not move truck to Unit 1. Perform stop Number 14 if sample is $> MDA$ but $< 10 CFR 20.1401(b)(3)$ limits.
- 6 Rack out Unit 1 EF-P-2A and EF-P-2B breakers
- 7 Verify AS-V4 shut
- 8 Perform Appendix A
- 9 open truck discharge valve and ~~portable pump~~ $421-221$

ALARA - TREAT ALL LEAKS AS POTENTIALLY CONFIRMED AND CONTAIN ALL LEAKS

10. Continue pumping until the truck is empty or until the condensate storage tank is topped off.
11. Shut truck discharge valve and disconnect pump suction hose from truck.
12. After unloading tank truck, return truck to Unit 2 as spare. Return to step 1 but omit steps 6, 7 and 8.
13. Stop filling if both unit 1 condensate storage tanks are completely filled.

f. If condensate in truck is > 11 DPA and is < 13 CFR 20 Table B limits drain truck to IUSTS through fire hose. Obtain Gary Miller permission before performing step No. 14.

APPENDIX A
(UNIT 1)

POSITION FOUND	POSITION REQUIRED	INITIAL/DATE
EF-V16A	SHUT	
EF-V16B	SHUT	
EF-V1A	SHUT	
EF-V1B	SHUT	
CO-V14A	OPEN	
CO-V14B	SHUT	
CO-V111A	OPEN	
CO-V111B	OPEN	
CO-V10A	OPEN	
CO-V10B	OPEN	