

GPU/ME TEST  
PROCEDURE TO  
INTRODUCE  $H_2O$  INTO  
C.P. AIR SYSTEM

8001200068

AP 1001

Three Mile Island Nuclear Station

SIDE 1

Figure 1001-8

Special Operating Procedure

SOP No. R-2-79-22  
(From SOP Log Index)

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

Unit No. 2

Date 6-9-79

1. Title Testing of Condensate Polisher Control Air System and Air operated valves with water in the instrument air supply.

2. Purpose (include purpose of SOP)  
To simulate the operation of the air operated condensate polisher valves with water in the instrument air line to the polisher main control panel.

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

} See Attached

B. Prerequisites

C. Procedure

4. Generated by G. L. Lehmann Date 6-9-79

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

Approved - Shift Supervisor B. Smith 6/9/79

Reviewed - List members of PORC contacted P. Berry via tele. 6/8 6/9/79

H. Bruner via tele. 6/9/79 6/9/79

G. Kumber via tele. 6/9/79 6/9/79

8. SOP is Cancelled

\_\_\_\_\_  
Shift Supervisor/Shift Foreman Date

POOR ORIGINAL

AP-1001

Three Mile Island Nuclear Station

SIDE 2

Figure 1001-8

Nuclear Safety/Environmental Impact Evaluation

SOP No. R-2-79-22

1. Title Testing of Condensate Polisher Control Air System and Air operated Valve with water in the instrument air supply

2. Nuclear Safety Evaluation

Does this SOP:

- (a) increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety? . . . . . yes  no
- (b) create the possibility for an accident or malfunction of a different type than any evaluated previously in the safety analysis report? . . . . . yes  no
- (c) reduce the margin of safety as defined in the basis for any technical specification? . . . . . yes  no

Details of Evaluation (Explain why answers to above questions are "no". Attach additional pages if required.)

- (a) The system is non-safety related.
- (b) The polisher bypass flow will allow continued operation of the condensate pump to feed the OTSG "A" in mode 5.
- (c) The condensate polisher is not part of the Tech. spec.

Evaluation By G. L. Lehmann Date 6-9-79

3. Environmental Impact Evaluation

Does this SOP:

- (a) possibly involve a significant environmental impact? . . . . . yes  no
- have a significant adverse effect on the environment? . . . . . yes  no
- be a significant environmental matter or question not previously reviewed and evaluated by the N.R.C. . . . . . yes  no

Details of Evaluation

N.A.

Evaluation By \_\_\_\_\_ Date \_\_\_\_\_

\* NOTE: If these questions are "yes", the change must receive N.R.C. approval.

4. Review (PORC review of evaluation is required only when requested by the Station Superintendent/Unit Superintendent. If this review is made, the PORC must consist of two off-site members.)

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 Off-Site Members                      PORC Chairman Signature                      Date

5. Approval

G. Kender via telecon JTB                      6/9/79  
 Station Superintendent/Unit Superintendent                      Date

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A. Limitations and Precautions:

1. Nuclear safety : None
2. Environmental safety : None
3. Personnel safety : None
4. Equipment Protection:

- a) Open the condensate polisher bypass valve to the full open position in order to protect the running condensate pump.
- b) Unit is to be in Mode 5

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B. Prerequisites:

1. Open the condensate polisher bypass valve CO-V.12 to full open.
2. Take the polishing demineralizer out of service.
3. One condensate polisher bed in service passing approximately 1500 GPM and bypassing approximately 4000 GPM thru valve CO-V.12.

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Added R-1

C. Procedure:

1. Open <sup>individual</sup> the condensate polisher bed inlet & outlet valves.
2. Admit water into the instrument air tubing, located in the polisher main control cabinet, at the same pressure as the instrument air system and maintain instrument air to the polisher.
3. Observe the polisher inlet & outlet valves and time the closing time of the valves from initial movement to full closure.

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and record.

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C. Procedure (cont'd)

4. Drain the air sets and instrument air tubing and repeat steps 1 thru 3 two more times.
5. Drain the air sets and instrument air tubing.
6. Re-align the polisher for operation with approximately 1500 gpm thru the <sup>desired</sup> ~~size~~ polisher by throttling the polisher bypass valve CO-V12.

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

Unit No. 2

Date 6/6/79

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  - 1. Nuclear Safety
  - 2. Environmental Safety
  - 3. Personnel Safety
  - 4. Equipment Protection
- B. Prerequisites
- C. Procedure

*see Attached*

4. Generated by G. L. Lehmann Date 6-5-79

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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

Approved - Shift Supervisor [Signature] 6/6/79

Reviewed - List members of PORC contacted R.P. Warren 6/6/79

J.R. Paulus 6/6/79 R.W. Boush 6/6/79

[Signature] 6/6/79 [Signature] 6/6/79

Approved-Station Superintendent/Unit Superintendent [Signature] 6/6/79

*NR W. [Signature] of rept.*

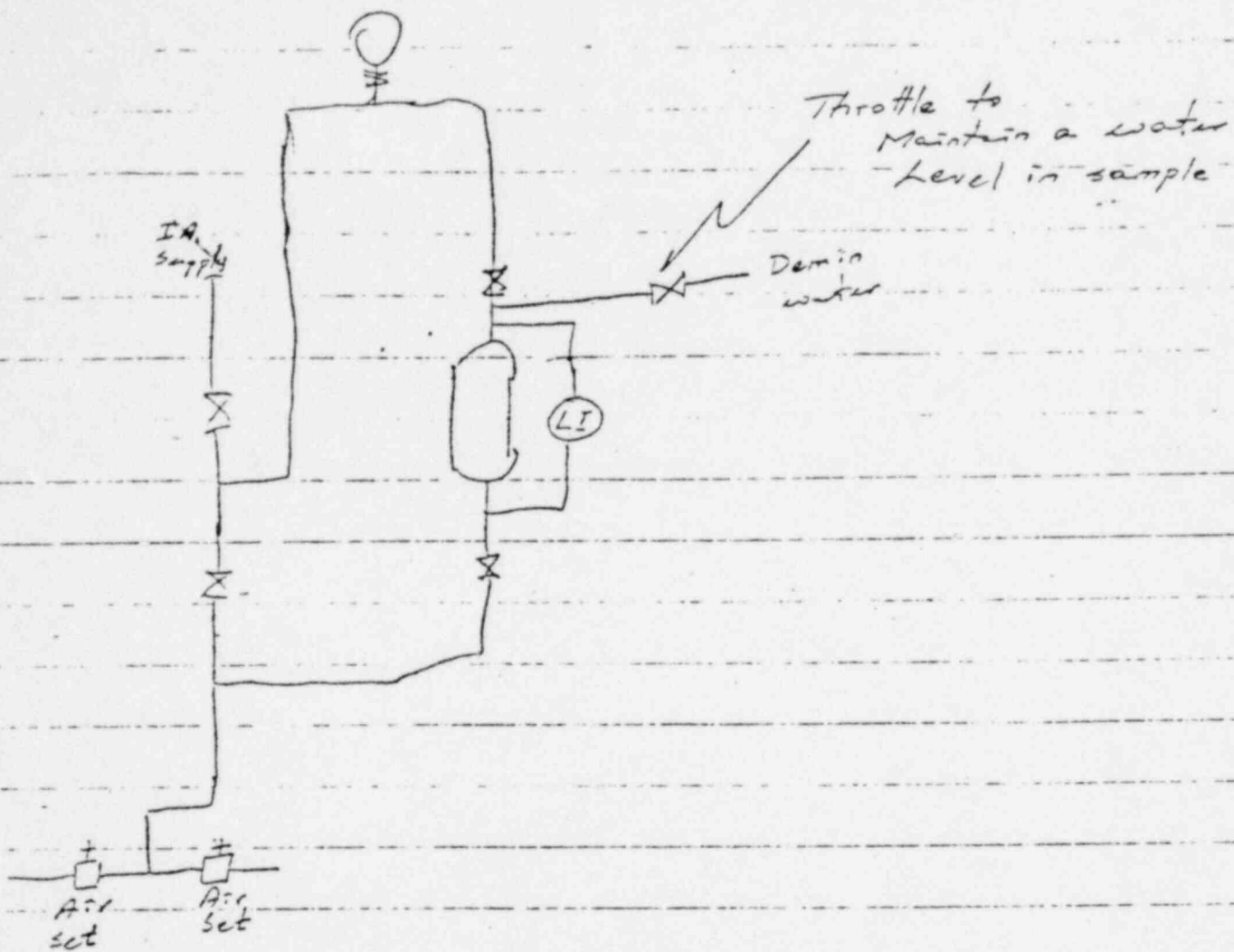
8. SOP is Cancelled

Shift Supervisor/Shift Foreman

Date

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