NRC

AP 1001
Figure 1001-8

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

Three Mile Island Nuclear Station

Special Operating Procedure

Rev. 0

SIDE 1

SOP No. Z-82
(From SOP Log Index)

Unit No. 2

Date

1. Title Alternate Pressurizer Level Hydrotest

2. Purpose (include purpose of SOP) Guidance for hydrostatic testing to be used for alternate pressurizer level indication and for the repair of any leaks. Z-82 reissues cancelled procedure Z-62

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

Attached

Generated by TAOConnor Date 4-9-79

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 N/A ☐
   - (b) SOP is not valid after ☐
     (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? N/A
   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

B+W See Z-62 Approved – Shift Supervisor [signature] 4/9/79 Date

NRC [signature] Reviewed – List members of PORC contacted TAOConnor 4/9/79 Date

Note: see Z-62 Rev. 0 which is identical. Z-62 cancelled since we did not want to do.

J. C. [illegible] [signature] 4/9/79 Date

·lara See Z-62 [signature] 4/9/79 Date

Approved - Unit Superintendent [signature] 4/9/79 Date

8. SOP is Cancelled

132 134

Shift Supervisor/Shift Foreman Date

TMI-63 Rev. 8/77

AP 1001
[illegible] 1001-8

NOTE [illegible] and guidelines in AP 1001 [illegible] when completing [illegible]

Three Mile Island Nuclear Station

Special Operating Procedure

SIDE 1

SOP No. 2-62
(From SOP Log Index)

Unit No. 2

Date 4/6/79

Cancel

1. Title ALT PRESSURIZER LEVEL HYDRO TEST.

2. Purpose (include purpose of SOP) Provide guidance to hydro tubing to be used for alt pressurizer level indication and repair any leaks.

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

A. Limitations and Precautions

1. Nuclear Safety None
2. Environmental Safety None
3. Personnel Safety Comply with AP 1002 & AP 1003
4. Equipment Protection Do not hydro line > 2500 psig.

B. Prerequisites } Per Attached
C. Procedure

Generated by James R. Paulus Date 4/6/79

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 ______ ☐
(Fill in circumstances which will result in SOP being cancelled)

N/A

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 ☐

N/A

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

NRC [illegible]

ACARA [illegible]

AW N.A [illegible]

Approved -- Shift Supervisor [signature] 4/6/79
Date

Reviewed — List members of PORC contacted [signature] 4-6-79
Date

RPWarren 4/6/79 [signature] 4/6/79
Date

[signature] 4/6/79
Date

Approved - Unit Superintendent [signature] 4/6/79
Date

1-32 135

8. SOP Is Cancelled

______ Shift Supervisor/Shift Foreman ______ Date

B. Prerequisites:

1. Become familiar with work to be done prior to beginning work. This will aid in cutting down on stay time and exposure.

2. Review Drawing 2031 to understand valve line - up.

3. MARK RM CHARTS AT START OF HYDRO

C. Procedure:

1. Notify Shift Foreman/Supervisor prior to commencing work.

2. Locate temporary valve (SN-VT3) which was installed in Unit 1 Rad Chem Lab.

3. With SN-VT3 closed, hook up Ascroft hand pump to SN-VT3. (see figure 1.)

4. Perform following valve line up:

SN-VT3	OPEN	*CA-V1	CLOSE
SN-VT2	OPEN	*CA-V3	CLOSE
SN-VT1	OPEN	*CA-6	CLOSE
SN-V101	OPEN	SN-V7	CLOSE
SN-V2	CLOSE	SN-V161	CLOSE
SN-V3	CLOSE	SN-V174	CLOSE
SN-V4	OPEN	SN-V176	CLOSE
SN-V1	OPEN	SN-V163	CLOSE
*CA-V10	CLOSE	SN-V8	CLOSE
SN-V181	OPEN	SN-V110	CLOSE
SN-V5	CLOSE	SN-V109	CLOSE
SN-V6	CLOSE		

* Conrol from Unit #2 Control Room

4.1 Note radiation background levels with a teletector prior to start of hydro.

5. Pump hydro pump to obtain a pressure of 2500 psig on the 0-3R. Heise gauge. MARK RM CHARTS.

5.1 Note radiation levels in model room. If levels are increasing (evidence of a leak) Record _____ secure hydro.

6. Close SN-VT3 and monitor Heise gauge for a decrease in pressure.

7. If leakage exists (noted by decrease in pressure), visually inspect the suspected leaking fitting in the model room and tighten it if it was leaking.

8. Re-hydro the line and observe for leakage by a drop in pressure.

9. Relieve system pressure by opening valve SN-VT3 and venting hydro pump. Catch water and monitor for activity.

10. Perform following valve line up.

SN-VT3	CLOSE
SN-VT2	OPEN
SN-VT1	OPEN
SN-V101	OPEN
SN-V2	CLOSE
SN-V3	CLOSE
SN-V4	OPEN
SN-V1	OPEN
CA-V10	CLOSE
SN-V181	OPEN
SN-V5	CLOSE
SN-V6	CLOSE

11. Notify Shift Foreman/Supervisor after completing work.

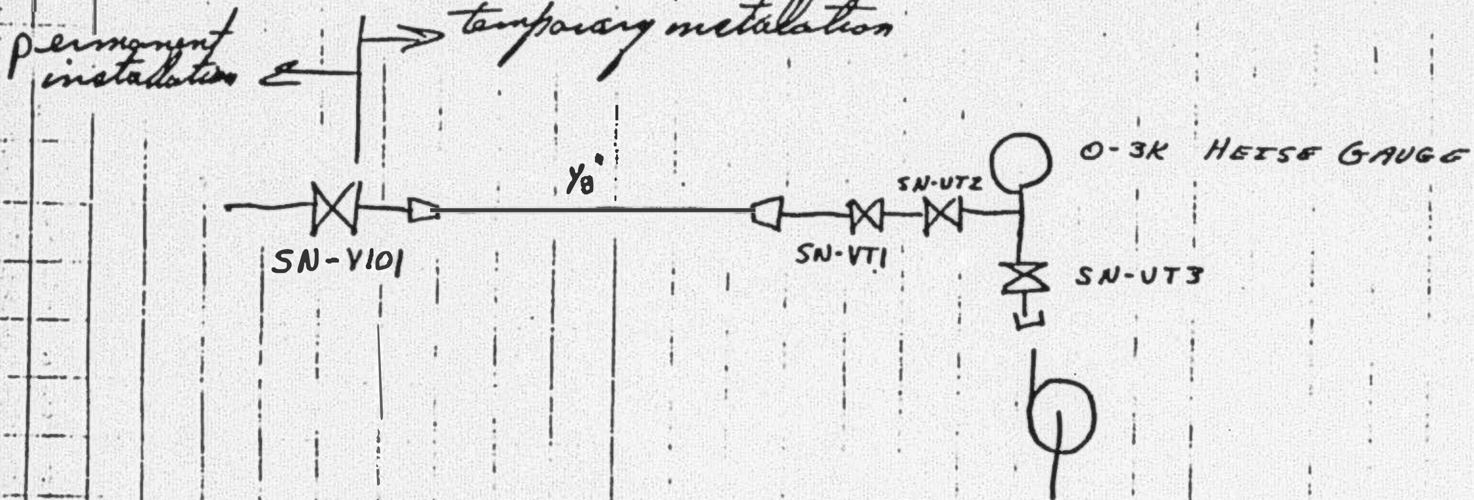
permanent installation
temporary installation
1/8"
SN-V101
SN-VT1
SN-UT2
SN-UT3
0-3K HEISE GAUGE

FIGURE 1