NRC

AP 1001

Figure 1001-8

Three Mile Island Nuclear Station

Special Operating Procedure

SIDE 1

SOP No. 2-78
(From SOP Log Index)

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

Unit No. II

Date 4/7/79

1. Title Blowdown of Misc. WASTE STORAGE TANK Level TRANSMITTER

2. Purpose (Include purpose of SOP) Blowdown reference leg on WDL-LT-1336 & establish accurate level indication.

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

Generated by Gerald C. Wallace Date 4/7/79

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)

   NA

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 ☐

   NA

   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

Approved – Shift Supervisor [signature] 4/8/79 Date

Reviewed – List members of PORC contacted D.M. McGettrick 4/8/79 Date

R.W. Bensel 4/8/79 Date

[signature] 4/8/79 Date

Approved - Unit Superintendent J.L. Seelinger 4/8/79 Date

Exa ... NRC ... ALARA ... 4/8/79 0100

R.P. Warren 4/7/79

8. SOP is Cancelled

132 100

Shift Supervisor/Shift Foreman ______ Date ______

TMI-63 Rev. 8/77

BLOWDOWN OF MISC. WASTE STORAGE TANK LEVEL TRANSMITTER

1. Limits & Precautions

A- Nuclear Safety - None

B- Environmental Safety

1. Connect the reference leg blowdown line to a carboy filter unit prior to draining the reference leg.

2. Monitor aux. building rad. monitors during the blowdown to detect any release. If increase is noticed during venting, immediately close the blowdown iso valves HP-R-219, 221A & B.

C- Personnel Safety

1. Follow appropriate RWP dress requirements.

2. Individual doing the blowdown must wear a scott air pac during the operation.

3. Lapel air sample.

D- Equipment Protection

1. Isolate the hi & low leg isolation valves to the transmitter prior to opening the reference leg blowdown valve.

2. Prerequisites

1. The individual performing the blowdown must be respirator qualified.

2. The individual performing the blowdown must review the picture and be familiar with operation of the transmitter (picture 823 - Vol 4) prior to attempting the blowdown. Must also become familiar with carboy filter unit prior to commencing venting.

3. Survey area prior to entry to determine any hot spots. Shield hot spots if possible.

4. Attach tygon tube to carboy prior to entering cubicle.

3. Procedure

1. Attach tygon tube from the reference leg drain line to the carboy filter unit. Secure tygon to drain line, hose clamp or equivalent. Verify tank level is below the ref leg tap by verifying the high level alarm on RW panel is cleared. (2204-301A.A4)

2. Shut the hi & low leg isolation valves to the level transmitter.

3. Crack open the blowdown valve, verify water is draining from line.

4. Step back of the doorway for shielding & check periodically to verify the blowdown is complete. (When water stops draining).

5. Shut the reference leg blowdown valve.

6. Open the hi & low leg isolation valves to the transmitter.
Survey carboy filter during draining with a teledetector. If necessary shield the carboy unit after the draining procedure is complete.

7. Leave the carboy filter unit connected to the drain line.