

PRI 1

AP 1001

Three Mile Island Nuclear Station

SIDE 1

Figure 1001-8

Special Operating Procedure

SOP No. 246
(From SOP Log Index)

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

Unit No. Station

Date 4-5-79

1. Title Sewage Disposal

2. Purpose (include purpose of SOP) To provide assurance that sewage shipped offsite has NRC and/or DER approval

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

NRC

B. Prerequisites

C. Procedure

4. Generated by E.C. Pulver Date 4-5-79

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 sewage is below background activity for 1 week continuously
Nil 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

Approved - Shift Supervisor H. R. Yditz 4/5/79 Date

Reviewed - List members of PORC contacted R. W. D. ... 4/5/79 Date

ALAN ... 4/5/79 Date

B. W. ... 4/5/79 Date

JGH ... 4/5/79 Date

Approved - Unit Superintendent W.A. Lyon 4-5-79 Date

8. SOP is Cancelled 4/5/79

Shift Supervisor/Shift Foreman Date

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"EVALUATION"

AP-1001

Three Mile Island Nuclear Station

SIDE 2

Figure 1001-8

Nuclear Safety/Environmental Impact Evaluation

SOP No. _____

1. Title Sewage Disposal

2. Nuclear Safety Evaluation

Does this SOP:

WIA

- (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.)

WIA

Evaluation By _____ Date _____

3. Environmental Impact Evaluation

Does this SOP:

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

Details of Evaluation

Sampling sewage in accordance with this procedure will insure sewage transported offsite complies with NRC and DER requirements

Evaluation By ECF _____ 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

MAA

PORC Chairman Signature

Date

5. Approval

Station Superintendent/Unit Superintendent

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Date

A Limitations & Precautions

1. Nuclear Safety - WIA

2. Environmental Safety

1. Sewage with background (or lower) activity:

This waste may be trucked off site after documenting the results of an isotopic analysis performed on a sample taken within the previous 24 hours. The sample must be counted in a low background off-site lab. If the results show background (or lower) activity levels the waste may be trucked off site after notifying the NRC and Pa BRT.

2. Sewage with higher than background activity

This waste may not be trucked off site without NRC and Pa BRT approval. The sample must be counted in an off-site low background lab to be valid.

B. The requisites

1. Samples from sewage hold tanks (or the pumping station) from which sewage is to be removed shall be taken each day prior to loading the disposal vehicle. The samples shall be counted in an off site low background laboratory

2. The State and NRC must be notified when removing sewage with activity levels at or below offsite background.

3. The State and NRC must approve of all sewage shipments to be made that contain radioactivity higher than offsite background.

C. Procedure

1. Fill out the attached "Sewage Disposal Form" to document the results of an isotopic analysis taken on the source tank within the previous 24 hours.

(Bureau of Red Health)

2. Notify NRC and PA DER prior to loading the disposal vehicle.

3. Obtain approval of Pa Department of Environmental Resources ^{and NRC} prior to loading the disposal vehicle if any radioactivity levels above background are detected.

4. Contact Faber Walters to initiate disposal of the subject sanitary waste.

5. Notify BRH (DER) prior to shipment with all information on disposal Form (For All Shipments)

6. Telecopy disposal Form and isotopic analysis to BRH. (For All Shipments)

SEWAGE DISPOSAL FORM

Holding Tank _____

Description _____

Date of disposal: _____

Time of disposal: _____

Date of Analysis: _____

Time of Sample: _____

Sample Results (above or below background) _____

HP Supervisor's review of results _____

ID # of Sewage Truck _____

Sign _____

(License #) _____

Date NRC Notified _____

NAME _____

DATE _____

Time NRC Notified _____

TIME _____

Date PADER Notified _____

NAME _____

DATE _____

Time PADER Notified _____

TIME _____

PADER Approval by _____ Name _____ (if required)

Date: _____

Time: _____

NRC Approval by _____ Name _____ (if required)

Date: _____

Time: _____

Note: Attach copy of isotopic analysis (or analysis results) to this form

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HP Supervisor will certify by signature that the analysis represents the contents of the truck.