

PROCEDURE REQUEST/WORK ORDER

1

TITLE: Breach of Containment Contingency PROCEDURE
Plan No. C-18
Rev. 1

PURPOSE / JUSTIFICATION:

Provide Procedure for potential contingency.
if needed

ASSUMPTIONS / INITIAL CONDITIONS / CRITERIA:

See attached C-18

Superintendent, TMI-2
Control Room, TMI-2
On Site Tech Support - Admin Assist.
On Site Tech Support Group Leader
J. G. Herbein
R. C. Arnold
F. Stern
R. F. Wilson

Tech Support Files
~~Data Reduction Management~~
Group

REVIEW AND APPROVAL REQUIREMENTS / KNOWN REFERENCES

ASSIGNED TO: Tech Support Procedures

199 1012
J. M. Conroy
APPROVAL

TITLE: BREACH OF CONTAINMENT

- PURPOSE:
- 1) This guideline will identify that there is a leak in the containment and it will outline actions to correct problems for small leaks.
 - 2) This guideline will outline the procedure to be taken if the leakage from the containment requires evacuation of the plant site and/or the control room.
 - 3) This procedure assumes a negative pressure is being maintained in the containment building.

- SYMPTOMS:
- 1) The containment pressure and air temperature shall be periodically plotted on graph paper. Any operations which would change the mass of gas in the containment building shall be noted on this graph.
 - 2) Increasing pressure in the containment building which is not related to temperature changes or mass changes is indicative of leakage through the containment building.

PROCEDURE: 1)

- A. Containment pressure less than atmospheric pressure.
 1. Send personnel to check for leaks:
 - a) at personnel watch
 - b) at equipment watch
 - c) at penetrations
 - d) in piping systems which penetrate the containment.
 2. Repair any leaks found.
- B. Containment pressure equal to or greater than atmospheric pressure:
 1. Use radiation survey teams to identify source of leakage.
 2. Use radiation survey teams to measure magnitude of release.
 3. Use aircraft to survey downwind of containment.
 4. Initiate site evacuation if required.
 5. Initiate evacuation of local population if required.
- C. Gross rupture of containment structure:
 1. Initiate site evacuation.
 2. Initiate evacuation of local population.

contd.

3. Initiate containment spray and Na OH addition to help absorb some of airborne radioactivity.
4. Make aircraft surveys downwind of plant to determine extent of release.

NOTE: Use of the containment purge system in a recirculation mode could possibly reduce the curies/sec release rate in the event that gross leakage from the containment does exist. Someone may want to analyze this possibility.

Methods to use for leak check are:

1. Soap solution bubbles
2. Sound Detector
3. Saran Wrap
4. H.P. Instrumentation

199-103

Accession Number 7906140486
Document Date 04/12/1979
Estimated Page Count 3
Document Type TECHNICAL SPECIFICATIONS & TEST REPORTS
TEST/INSPECTION/OPERATING PROCEDURES
Title Final Contingency Plan C-18:breach of containment.
Author Affiliation METROPOLITAN EDISON CO.
Author Name
Availability Publicly Available
Microfiche Address 00199:100-00199:103
Sensitivity Non-Sensitive
Package Number 7906140486