

Revised: April 20, 1980
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: Sept. 4, 1980

VCM EMERGENCY PLAN -- PVC DEPARTMENT

DEFINITION:

An emergency is defined as the existence of a concentration exceeding 100ppm vinyl chloride in air resulting from a massive release from an uncontrolled source.

EQUIPMENT:

The only respiratory equipment approved for use in dealing with an emergency is the Scott Air Pak. These units are located as follows:

- 2 - MCC No. 3-A emergency center
- 1 - Bldg. 7 Upper stairway
- 1 - Bldg. 7 Lower near stairway
- 1 - Bldg. 1-W at west stairwell
- 1 - Bldg. 1-E outside fire door
- 1 - Safety Equipment Room
- 1 - Supervisor's Office (Outside - opposite 6' dryer)
- 1 - Bldg. 31 Office (Reserve Center)
- 1 - Bldg. 10 - Semi-Pilot Plant Hallway

Any Scott Pak used for an emergency must be taken to the Mask Room so the empty tanks can be replaced with full ones, and the face pieces can be cleaned as soon as possible.

The Safety Department should be notified anytime Scott Paks are used during hours other than Monday through Friday, 0800-1700 hours except holidays, by contacting Cecil Snyder (582-4651) or Ken Macy, II (874-2013). During regular office hours, call 241, 297, or 322.

Take any used Scott Pak to the Mask Room immediately following any emergency for tank replacement. The EPA Technician will be in the Mask Room during emergencies for tank replacement if necessary.

Used Scott Paks must be returned to their designated location as soon as the tank has been replaced.

ALERT:

The Bendix monitor will sound the area alarms at 25ppm. This is a warning that a higher VCM concentration may exist. If the cause of this alarm is judged as an emergency or indication of a massive VCM release, the local alarm will be sounded.

BOR 007707

EVACUATION PROCEDURE - PVC DEPARTMENT

1. All personnel except the Action Team must evacuate operating areas at the sounding of the Local or Fire Alarm.
 - A. Operating personnel report to Reserve Center Bldg. 31.
 - B. Maintenance personnel report to Maintenance Department Bldg. 6.
 - C. Control Lab. Technicians report to Bldg. 31.
 - D. Shipping personnel report to Bldg. 31.
 - E. PVC Plant Office personnel report to Bldg. 31.
 - F. Pilot Plant personnel (Bldg. 5) report to Bldg. 31.
 - G. All others (visitors, engineers, etc.) report to Bldg. 31.
2. Action Team - Personnel who are required to remain in the operating area.

PERSONNELRESPONSIBILITIES

- | | |
|---|---|
| A. Shift Supervisors | Overall control of emergency. |
| B. Procedure Supervisors | Monitor and report VCM levels.
Monitor unattended reactors.
Monitor evacuation of personnel.
Provide assistance to Shift Supervisor. |
| C. Utility Kettle Operator | VCM source control.
Shutdown equipment as required. |
| D. Kettle Operator or Pilot Plant Operator in Affected Area | VCM source control.
Shutdown equipment as required. |
| E. Production Helper
(Transferring in Bldg. 7) | Obtain key for Elm Hill Ave. vehicle gate from Supervisors Office.
Close railroad gates and Elm Hill Ave. vehicle gate. Have train engine shutdown.
Remain at Elm Hill Ave. gate and wait for instructions from Supervisor. |
| F. Shift Mechanic | Standby at Shift Maintenance Supply Room - Bldg. 1 East. |
| G. EPA Technician | Mask Room - Change Scott Pak Tanks. |
| H. Shipping Department Supervisors | Have vehicles that would obstruct Fire Department relocated and vehicles shutdown. |
| I. Shipper Helper | Shutdown vehicles.
Proceed to guard shack and stop or relocate all incoming traffic to Polyco Parking Lot. |

No Other Personnel Permitted To Issue Instructions Other Than Shift Supervisor On Duty.

3. Shutdown

A. Kettle Operators/Pilot Plant Operators

Stop charging reactors and close charge valves. Stop reactor Degassing but do not enter building to stop. Isolate all reactors.

B. Helpers

Stop transfers. Shut off transfer pump(s) and close reactor discharge valves.

C. Utility Helper

Shutdown rail car unloading operation. Stop compressors or pump(s).

D. Dryer Operator

Ensure that Fire Doors between reactor and dryer areas are closed.

E. If equipment shutdown is required involving additional people, they will be directed to do so by their Shift Supervisor (including mask requirements) using the plant phone system (extension 405) to Bldg. 31.

4. Reserve Center

A. Control Lab. Technician will be a communicator for the Reserve Center. He will be informed (extension 405) by the Shift Supervisor about special needs such as Fire Department Personnel, ambulance or additional Supervisors.

B. Control Lab Technician will inform personnel at the Boiler House that an emergency condition exist in the PVC Depts.

C. Control Lab. Technician will record names of all personnel who report to the Reserve Center, Bldg. 31.

5. "ALL-CLEAR"

A. The VCM concentration will be checked in adjacent operating areas by the Supervisor before sounding the "All-Clear" signal.

B. The "All-Clear" signal is the same for all alarms (4-4-4).

C. The Supervisor shall determine that the VCM concentration is under 25 PPM before sounding the "All-Clear" signal.

D. All evacuated personnel will report to their normal job station using necessary respiratory equipment.

6. MEDICAL ATTENTION

BOR 007709

A. Anyone exposed to emergency conditions involving VCM exposure will receive medical attention as soon as practical (report to medical unit as assigned by Supervisor if during normal 0800-1700 hours, Monday-Friday work week or

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beginning or end of next shift.

- B. Anyone coming into skin contact with liquid VCM will receive immediate medical attention either at the Medical Center or Leominster Hospital.