



THE CHLORINE INSTITUTE, INC. 342 Madison Ave., New York, New York 10017

Adopted June 1, 1972
Revision 1 - Nov. 20, 1972

CHLORINE EMERGENCY PLAN (CHLOREP)

1. INTRODUCTION

1.1 HISTORY

The members of The Chlorine Institute, Inc. have for many years carried out a voluntary program of aid in chlorine Emergencies occurring during transportation or at user locations. The aid has normally been supplied by the nearest capable chlorine producer regardless of producer-customer relations.

1.2 PURPOSE

The Chlorine Emergency Plan (CHLOREP) is an industry-wide program established by the Institute to improve the speed and effectiveness of response to chlorine Emergencies in the U.S. and Canada. The primary purpose of the new formalized Plan remains as before -- to minimize the risk of injury arising from the actual or potential leakage of chlorine during Emergencies occurring in the course of transportation at distribution points, or at chlorine user locations.

The Plan has three primary objectives:

- a) To provide technical advice from qualified persons to personnel at the scene of an Emergency.
- b) To provide a means for contacting producers or other agencies able to help in an Emergency; and
- c) To provide, if necessary, Emergency assistance at the scene of such an Emergency.

1.3 ORGANIZATION

To meet these objectives, the Institute enlists the cooperation of its members to provide the personnel, equipment and expertise for the prompt and effective control of chlorine Emergencies and to assist police, fire and other authorities in the event of Emergencies in transportation, at chlorine distribution points or at chlorine user locations. The Plan will be operated as a public service by The Chlorine Institute, Inc. and the Participants.

2. DEFINITIONS

CARRIER means a common, contract or private carrier.

CHEMTREC means the Chemical Transportation Emergency Center operated by the Manufacturing Chemists Association in Washington, D.C.

CHLOREP means the Chlorine Emergency Plan operated by the Chlorine Institute.

CHLOREP COMMITTEE means the committee designated in accord with §3.2.

CHLORINE means the element chlorine as shipped in commerce. Chlorine is classified by the DOT as a non-flammable compressed gas.

CHLORINE EMERGENCY GROUP means a group designated in accord with §3.4.1.

CHLORINE EMERGENCY TEAM means a team designated in accord with §3.4.1.

DOT means the United States Department of Transportation.

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EMERGENCY means any leakage or other incident involving chlorine which creates a potential or actual public hazard.

EMERGENCY CALLER means the person at the scene of an Emergency who makes the initial call to the Emergency Dispatcher.

EMERGENCY CONTACT means the person at the 24-hour telephone contact point maintained by each Chlorine Emergency Group.

EMERGENCY DISPATCHER means the person in charge at the Emergency Dispatch Agency at the time of an Emergency.

EMERGENCY DISPATCH AGENCY means CHEMTREC in the United States or TEAP in Canada.

HOME COORDINATOR refers to a member of a Chlorine Emergency Group who remains at the home plant location in accord with §3.4.

INSTITUTE means The Chlorine Institute, Inc.

LOCATION GUIDE refers to the compilation (see CHLOREP Handbook) of the locations of all Chlorine Emergency Groups and their Emergency Contact telephone numbers.

PARTICIPANT means a company which, by signing a CHLOREP Participation Agreement, undertakes to provide one or more Chlorine Emergency Groups.

PUBLIC OFFICIAL means any official of federal, state, provincial or local governments having, or who purports to have, police power with respect to an emergency.

TEAM LEADER means the person in charge of a Chlorine Emergency Team.

TEAP means the Transportation Emergency Assistance Plan operated by the Canadian Chemical Producers' Association in Ottawa.

3. ORGANIZATION

3.1 PARTICIPATION

Participants in CHLOREP shall be Active Members of the Institute who have agreed to participate as described in § 10.

3.2 OPERATION

The operation of CHLOREP is guided by a CHLOREP Committee established by the Institute for this purpose. The Committee shall report to the Board of Directors of the Institute. Every Participant shall be entitled to representation on the CHLOREP Committee. Emergency Dispatch Agencies shall be entitled to advisory membership on the CHLOREP Committee. A staff coordinator shall be designated from the Institute staff by the President. The staff coordinator will coordinate the dispatching arrangements with CHEMTREC and TEAP and will perform the administrative work incident to the operation of the Plan. In addition, the CHLOREP Committee may designate a steering group consisting of the staff coordinator and six to nine other persons to supervise the operation of CHLOREP.

3.3 EMERGENCY DISPATCHING

In the U.S., CHLOREP will utilize CHEMTREC as the Emergency Dispatch Agency. CHEMTREC operates 24 hours daily. In Canada, CHLOREP will utilize the TEAP regional control centres as Emergency Dispatch Agencies. TEAP operates 24 hours daily. The Institute will develop, maintain and furnish to CHEMTREC and to TEAP a Location Guide showing the location of all Chlorine Emergency Groups and the associated telephone numbers (see CHLOREP Handbook).

3.4 EMERGENCY RESPONSE

Participants must provide one or more Chlorine Emergency Groups. The functions of these Chlorine Emergency Groups are (1) to receive emergency calls on a 24 hour basis from the Emergency Dispatcher or directly from consumers or carriers, (2) to provide the Emergency Caller with advice and (3) to make available one or more skilled, suitably equipped Chlorine Emergency Teams for dispatch to Emergencies.

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3.4.1 CHLORINE EMERGENCY GROUP

A Chlorine Emergency Group will be established at every location listed in the Participants' Participation Agreement. The Chlorine Group shall consist of:

- a) An Emergency Contact to whom the request for assistance is directed.
- b) A Chlorine Emergency Team consisting of Team Leader and one or more team assistants to handle the emergency, either by telephone or at the scene.
- c) A Home Coordinator to provide support at the home location. See CHLOREP Handbook for details of Chlorine Emergency Group and Chlorine Emergency Team planning and training.

4. EMERGENCY NOTIFICATION**4.1 INITIAL COMMUNICATION**

Prompt communications are essential for timely control of an Emergency. While most chlorine suppliers give consumers their own Emergency contact numbers, any carrier, customer, or civil authority having a chlorine Emergency can be put in contact with an appropriate Chlorine Emergency Group by phoning the CHEMTREC telephone number for the United States or one of the TEAP telephone numbers for Canada.

4.2 INITIAL ADVICE

Since the CHEMTREC center and the TEAP centers operate on a 24 hour, 7-day week basis, they are able to provide prompt initial advice from preprinted material to personnel at the scene.

4.3 EMERGENCY DISPATCHING

Where expert advice or help at the scene appears necessary, CHEMTREC and TEAP will function as Emergency Dispatch Agencies. In such cases, the Emergency Dispatcher will enter the pertinent information on a appropriate Dispatch Report, will determine the preferable Chlorine Emergency Group using the Location Guide and will telephone its Emergency Contact. These procedures are covered in further detail in the CHLOREP Handbook. If the Chlorine Emergency Group first called cannot be reached the Emergency Dispatcher will call another Chlorine Emergency Group.

If the Chlorine Emergency Group first called cannot respond, the Group must call another Chlorine Emergency Group. If the Chlorine Emergency Group first called requires further assistance or believes another Group would be more appropriate, the first Group may call another Chlorine Emergency Group. The Emergency Group that accepts the responsibility to respond to the Emergency will so notify the Emergency Dispatcher.

5. RESPONSIVE ACTION**5.1 PRIOR TO SENDING TEAM**

The Emergency Contact, upon notification of an Emergency by the Emergency Dispatcher, or from any other sources, will immediately notify the Team Leader or his alternate. The Team Leader will telephone the Emergency Caller or his designee at the scene at the prearranged number. After discussion with the Emergency Caller, the Team Leader will give advice for immediate action and discuss with the Caller whether or not a Chlorine Emergency Team is needed at the scene. If the Team Leader decides that expert help is needed, an appropriate Chlorine Emergency Team will proceed to the scene using its preplanned procedures in selection of personnel, equipment and transportation.

5.2 ACTION AT SCENE OF THE EMERGENCY**5.2.1 On Arrival**

On arrival at the scene, the Chlorine Emergency Team will establish contact with those in charge, report its arrival to the Home Coordinator and proceed to take such action as the Team Leader deems appropriate under the circumstances in helping to control the Emergency. To the extent feasible, the Team Leader will keep the Home Coordinator advised of the nature and extent of the Emergency. See CHLOREP Handbook for further details.

5.2.2 Medical Needs

The Team Leader should be prepared to make available the first aid data sheet and physicians data sheet included in the CHLOREP Handbook. Extra copies are included in the "Data Pack".

5.2.3 Emergency Scene Press Relations

While working with local press is secondary to control of the Emergency, it should be recognized that the press can be extremely helpful in warning people in danger, in minimizing unnecessary fear and panic, and in publishing accurate stories about the Emergency. Some suggested aids for the Chlorine Emergency Team's Public Relations Man are given in the CHLOREP Handbook.

5.2.4 Return Home

When the Emergency is over, the Team Leader will notify the Home Coordinator, return home, and prepare the necessary reports.

5.3 DISCRETION OF CHLORINE EMERGENCY TEAM

In the discharge of its duties, the Chlorine Emergency Team will conduct its activities in so far as is feasible in accord with procedures established by the CHLOREP Committee, provided, however, notwithstanding any other provisions of this Plan, the Team Leader of a Chlorine Emergency Team shall not be obliged to handle any Emergency or to perform any activities which he considers to be impractical or for which he considers his Team is not properly prepared or equipped.

6. POST EMERGENCY CRITIQUE

An accurate thoughtful critique of the Emergency can be an important aid in improving CHLOREP. The Team Leader, with help from his entire Team should complete the Post Emergency Critique, as given in the CHLOREP Handbook, within one week of the Emergency while memory of the event is fresh. The completed form should be mailed to the Institute's staff coordinator. This is a confidential report to the Institute and is not intended for distribution other than to members of the CHLOREP Committee; it is not intended to take the place of the standard Chlorine Institute Report (Form CI-Acc.4); which should be filed in normal fashion.

7. WAIVER

Each Participant shall waive any right or recourse it may have against the Institute and its employees arising out of the operation of CHLOREP by the Institute.

8. FUNDING AND COSTING

8.1 ADMINISTRATIVE COSTS

Costs involved in administration of the Plan will be funded by the Institute.

8.2 TEAM OPERATIONS

It is contemplated that the chlorine manufacturer or shipper of chlorine involved in an Emergency will reimburse the employer of a Chlorine Emergency Team for its cost of transportation material and labor incurred in performing its services and, if in its opinion circumstances warrant, seek contribution from any carrier, public warehouseman or other Person involved in the Emergency. The CHLOREP Committee shall formulate procedures through which reimbursement is made.

9. PUBLIC INFORMATION

The Institute staff, under the direction of the CHLOREP Committee will carry out a nation-wide public information program directed to manufacturers, packagers, carriers, warehousemen, wholesalers and users of chlorine; to police, public, fire and rescue officials and to the general public informing them of the existence

of CHLOREP, its nature, purpose and general features and instructing them how to seek assistance in case of chlorine Emergency.

10. PLAN PARTICIPATION

10.1 PARTICIPATION

Any Active Member of the Institute agreeing to participate in CHLOREP by furnishing one or more Chlorine Emergency Groups shall sign a CHLOREP Participation Agreement (Appendix A).

10.2 EMERGENCY DISPATCH AGENCIES

Letter agreements providing for cooperation in respect to relevant actions of CHEMTREC and TEAP will be entered into between the Institute and the Emergency Dispatch Agencies.

10.3 WITHDRAWAL

Any Participant may withdraw entirely or at any one location from CHLOREP by giving not less than 90 days prior written notice of intention to withdraw on a CHLOREP Withdrawal Notice (Appendix B) provided that such withdrawal shall not affect any obligation or liability of such Participant arising under the operation of CHLOREP prior to the effective date of such withdrawal.

11. EFFECTIVE DATE TERMINATION

11.1 EFFECTIVE DATE

CHLOREP shall become effective when:

- a) The Plan has been adopted by the Institute's Board of Directors
- b) Two-thirds of the Active Members have signed Participation Agreements
- c) The CHLOREP Committee determines that the necessary personnel and facilities are functional

11.2 AMENDMENT OR TERMINATION

CHLOREP may be amended or terminated by the Board of Directors of the Institute, effective 120 days after written notice to Participants of such amendment or termination.

This Chlorine Emergency Plan was adopted by the Institute's Board of Directors at its 201st meeting on June 1, 1972 in Point Clear, Alabama.

Revision 1 of this Plan was adopted by the Institute's Board of Directors at its 204th meeting on November 20, 1972.

Secretary

CHLOREP APPENDIX A

The Chlorine Institute, Inc.
342 Madison Avenue
New York, New York 10017

SUBJECT: CHLOREP PARTICIPATION AGREEMENT

1. The undersigned organization agrees to become a Participant, effective _____ 19____, in the Chlorine Emergency Plan CHLOREP [by furnishing one (or other number) Chlorine Emergency Groups (s)], subject to the provisions of the revised Plan dated November 20, 1972.

2. The Chlorine Emergency Group(s) will be maintained at the following locations. These locations will be able to receive Emergency calls on a 24 hour basis at the telephone number listed:

Phone _____

3. _____ is designated as a member of the CHLOREP Committee with the understanding that this designation may be changed at any time. Any notices in connection with CHLOREP shall be sent to his attention.

4. We will advise the Secretary of the Institute in writing of any change in the CHLOREP Committee representation, group location or telephone numbers promptly.

5. The undersigned organization hereby waives any right or recourse it may have against The Chlorine Institute, Inc. and its employees arising out of the operation of CHLOREP by the Institute.

Very truly yours,

Date _____

Company _____

By _____

Authorized Representative

Accepted,
The Chlorine Institute, Inc.

Date _____

By _____

Secretary

Secretary.

CHLOREP APPENDIX B

The Chlorine Institute, Inc.
342 Madison Avenue
New York, New York 10017

SUBJECT: CHLOREP WITHDRAWAL NOTICE

The undersigned Participant hereby gives notice of its withdrawal from the Chlorine
Emergency Plan in accord with §10.2. This withdrawal shall be effective 90 days from
your receipt of this letter (or on a specific date not less than 97 days after mailing)

Very truly yours,

Date _____ Company _____

By _____
Authorized Representative

Accepted:
The Chlorine Institute, Inc.

Date received _____ By _____

Secretary

Date effective _____

Exhibit 1

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July 17, 1970

EMERGENCY REFERENCE SHEET FOR VINYL CHLORIDE MONOMER

Manufacturer	Address	Telephone	24-hr. Service	Other Phone Numbers	Name of Contact	Will participate in Mutual
Borden Chemical Co. Thermoplastics Div.	511 Lancaster St. Lancaster, Massachusetts	617 537-1711 (business hours) 504 348-6681	Yes	617 853-6750 617 537-5300	R. J. Ventres W. J. Holloway	
Continental Oil Co. Cresco Plastics PVC Plant VCA Plant	Aberdeen, Mississippi Lake Charles, La.	601 369-3111 -8112 -8113 -8114	Yes	-- 313 822-1200	H. D. Butler T. G. Taylor	Yes
The Dow Chemical Co. Texas Division	Freeport, Texas	713 233-2112	Yes	--	R. L. Daniel Geo. Postelner	Yes
Ethyl Corporation	451 Florida St. Baton Rouge, Louisiana	504 344-7147	Yes	--	H. B. Bradford E. L. Caraway	Yes
B. F. Goodrich Chemical Co.	Covington City, Kentucky	504 395-4151 (business hours)		504 442-4151 504 442-8555 (non-business hours)	F. R. Carvell C. E. Evans	Yes
Monochem Inc.	P.O. Box 428 Baton Rouge, Louisiana	504 348-6681 Ext. 151		--	J. R. Little	
PVC Industries Chemical Division	P.O. Box 1000 Lake Charles, Louisiana	313 822-1200		--	T. G. Taylor	Yes

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CHEMTREC

EMERGENCY REFERENCE SHEET FOR VINYL CHLORIDE MONOMER

<u>Manufacturer</u>	<u>Address</u>	<u>Telephone</u>	<u>24-hr. Service</u>	<u>Other Phone Numbers</u>	<u>Name of Contact</u>	<u>Will Participate in Mutual Aid</u>
Tenneco Chemicals Inc. Hydrocarbon Chemicals Div.	P.O. Box 849 Pascadena, Texas 77501	713 479-3411	Yes	--	P. M. Reed	
Union Carbide Corp. Chemicals & Plastics Div.	South Charleston, West Virginia	304 744-3427	Yes	--	M. E. Sutherland	Yes

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

March 5, 1975

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Mr. Joseph Hadley
Keller and Heckman
1150 17th Street, N.W.
Washington, D. C. 2003

Dear Mr. Hadley:

A meeting of the National Air Pollution Control Techniques Advisory Committee has been scheduled for March 25 and 26 at Crystal Mall, Building 2, Room 1112, 1921 Jefferson Davis Highway, Arlington, Virginia. The agenda will primarily be a review of the two volume Standard Support-Environmental Impact Document dealing with emission reduction of vinyl chloride in vinyl chloride and polyvinyl chloride industries. A copy of the support document and the meeting agenda is enclosed.

The meeting will be announced in the Federal Register, but we thought because of your special interest in these regulations you should be given advance notice and an opportunity to review the support document.

The meetings, of course, are open to the general public; but we would appreciate it if you would call my secretary, Mary Jane Clark, if you plan to attend so we can be certain we have adequate accommodations. The telephone number is (919) 688-8146, extension 271.

Sincerely yours,

Don R. Goodwin

Don R. Goodwin
Chairman and Executive Secretary
National Air Pollution Control
Techniques Advisory Committee

2 Enclosures

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