



# **Gas Transmission and Midstream Emergency Response Plan**

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<b>ENBRIDGE GAS TRANSMISSION AND MIDSTREAM EMERGENCY RESPONSE PLAN</b>	<b>CORE PLAN</b>	
	<b>INTRODUCTION ELEMENTS:</b> Introduction, Regulatory Compliance, Plan Review and Update Procedures, Reference Documents, Glossary/Acronyms	<b>I</b>
	<b>CORE PLAN ELEMENTS:</b> Detection of a Release, Incident Response, Notification Procedures, Response Management System, Site Security and Control, Documentation, Demobilization, Response Termination, Investigation of Failures	<b>II</b>
	<b>TRAINING / EXERCISE:</b> Response Procedure Training, Exercise Procedures	<b>III</b>
	<b>FORMS:</b> Incident Report Form, Government Reporting Forms, ICS Forms	<b>IV</b>
	<b>AREA ANNEXES</b>	
	<b>INITIAL INCIDENT ACTION PLANNING:</b> Assessment of Emergency, Detection and Initial Response, Confirmed Incident, Response Resources	<b>1</b>
	<b>NOTIFICATION AND CONTACT:</b> Area Management, Area Facilities, Gas Control, Field Emergency Response Team, Incident Management Team, E3RT and Internal Contacts, Regulatory Notifications, Government Contacts, Industrial Contacts, Support and Service Providers	<b>2</b>
	<b>HAZARD EVALUATION AND RISK ASSESSMENT:</b> Asset Information, Facility Maps and Diagrams, Hazard Evaluation and Identification, Worst Case Release and High Consequence Areas (HCAs)	<b>3</b>
	<b>REGULATORY CROSS REFERENCE</b>	<b>4</b>
<b>PLAN ADMINISTRATION:</b> Distribution List, Record of Revisions, Plan Certification, Agency Approval/Correspondence.	<b>5</b>	



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## I-1 Introduction

### I-1.1 Purpose

The purpose of this Plan is to ensure a prompt and effective comprehensive response preserving life safety and mitigating impacts to public health and the environment.

Response management procedures covered in this plan are based on the National Incident Management System (NIMS) and the Incident Command System (ICS).

The specific objective of the Plan is to provide guidance to company personnel with immediate procedures to take in the event of an emergency response incident originating at any Enbridge area of gas operations by:

- Defining alert and notification procedures to be followed when an emergency response incident occurs.
- Documenting equipment, manpower, and other resources available to assist with an emergency response incident response.
- Describing response teams, assign individuals to fill the positions on the team, and define the roles and responsibilities of team members.
- Defining organizational lines of responsibility to be adhered to during an emergency response.
- Providing guidelines for handling an emergency response.

### I-1.2 Plan Coverage

<b>OWNER/OPERATOR</b>	Enbridge Gas Transmission & Midstream (GTM) 5400 Westheimer Court Houston, TX 77056
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This Emergency Response Plan applies to all the following:

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| Algonquin Gas Transmission            | Ozark Gas Transmission             |
| Alliance Pipeline                     | Sabal Trail Transmission           |
| Big Sandy Pipeline                    | Texas Eastern Transmission (TETCO) |
| East Tennessee Natural Gas Pipeline   | Valley Crossing Pipeline           |
| Maritime and Northeast Pipeline (M&N) | Vector Pipeline                    |
| NEXUS Gas Transmission                | Westcoast Energy                   |

Herein out, all references to any Enbridge company listed above will be referred as the "Company". Each geographic area, facility type, and product characteristics has its own unique challenges; corresponding facility specific information will be found in the applicable Annexes of this plan.

Required emergency response notifications will be made during any emergency response operation. Refer to the Notifications in the Geographical Annexes for contact information.

### I-1.3 Plan Scope

This plan communicates the response capabilities available by the Company to respond to any gas release. This plan is not intended to limit the discretion of Company employees to select any sequence of actions or to take whatever time they deem necessary to maximize the effectiveness of the response, consistent with safety considerations.

This plan represents a planning standard; response operations in any release event will be tailored to meet the actual circumstances.

This response plan contains information applicable to the Company. This plan applies to emergency response operations carried out by the Field Response Team and the Regional Incident Management Team, and Enbridge Enterprise Emergency Response Team (E3RT). This plan applies to any type or size of incident that may occur.

The plan contains procedures to guide personnel in the event of a release or other emergency situation involving Company assets.

All emergency response operations encompassed in this plan involve actions taken at, or in close proximity to, the site of an incident that are designed to:

- Protect life safety and mitigate impact of the situation;
- Ensure the life safety of responders, employees, and public;
- Establish unified command over the incident,
- Develop plans of action and;
- Facilitate Communications.

### I-1.4 Plan Implementation

This ERP and the Incident Management Team (IMT) become effective immediately upon notification of any type of release or hazard occurring at any Company operational area. Hazards may include natural disasters (i.e., earthquakes, floods, tornadoes, hurricanes, etc.), incidents involving civil unrest or terrorism, or any other incident which could potentially adversely impact a Company asset resulting in the release of gas

For Initial Response Actions, see Section II-2.



## I-2 Regulatory Compliance

### I-2.1 Applicable Regulations

This ERP satisfies the requirements of the following regulations:

- 49 CFR §192.615 – Pipeline and Hazardous Materials Administration (PHMSA)
- 29 CFR §1910 – Occupational Safety and Health Administration (OSHA)
- CSA Z662 and the Canada Energy Regulator Onshore Pipeline Regulations (OPR)
- Applicable State, Province, Territorial, and Local regulations.

### I-2.2 Regulatory Formatting

This Emergency Response Plan (ERP) is a consolidation of planning requirements Enbridge is subject to through applicable regulations.

For the purposes of this plan, Emergency Response Plan (ERP) is synonymous with Emergency Procedures Manual (EPM).

This Manual fulfils the Canadian Environmental Protection Act Environmental Emergency (CEPA E2) requirements for CS-6A and CS-7 ERG facilities.

### I-2.3 Agency Approval

This plan will be submitted to applicable regulatory agency for review of compliance with the regulations and agency approval.



### I-3 Plan Review and Update Procedures

Reviewing and updating this Plan shall be the responsibility of the Emergency & Security Management Department. Revisions to the Plan may result from:

- Scheduled annual reviews;
- As a result of conducting formal drills and training exercises;
- From a response to an accidental release;
- A change configuration that materially alters the information included in the response plan; and
- A material change within the Company which alters the required response capabilities and/or resources.

The Plan is reviewed Annually, not to exceed 15 months, and updated so that the Plan remains current and functional. All revisions to the Plan shall be distributed to all Plan holders identified in the plan’s Distribution List located in the Geographical Annex.

Annually, during the Company review cycle any of the following operational changes would be a cause for modification and update to the ERP:

- Extension of existing pipeline;
- Construction of new pipeline;
- Response Procedures;
- Circumstances that may influence full implementation of the ERP

Any material or significant changes at the facility that mandate a change in this Plan shall be submitted to the appropriate regulatory agencies.

To request a change to this plan, follow Company document control procedures.

A record of revisions for this plan is located in the Geographical Annex.

### I-4 Reference Documents

Reference Documents	
Document	Location
Enbridge Incident Management Handbook (IMH)	The IMH is located on the GTM Emergency Management Sharepoint, with hard copies issued to IMT members.



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## II-1 Detection of a Release

The Company has a number of safety systems and practices in place to prevent the occurrence and mitigate the subsequent impact of accidental releases. The systems are designed to alert operators with alarms and provide automatic shut-in functions in the event of a release. Station operators and gas controllers are trained to respond to the various system alarms in order to identify and control releases immediately.

Gas Control will dispatch Technicians/First Responders to explore a notification of release.

### II-1.1 Facility Release Mitigation

Release mitigation measures are built into the design of facilities and emergency procedures. The following release mitigation measures are found in current design standard:

- Gas and fire detection alarms announced in Gas Control for immediate response by company personnel,
- Remotely-operated, electrically-actuated isolation valves,
- \*Aboveground piping in stations to allow early detection of releases, and

*\* Since design standards have evolved over time, not all facilities are equipped with these mitigation measures.*

On-site and on-call employees are trained as first responders, and would focus on life safety and source control upon arriving at any release.

### II-1.2 Pipeline Monitoring

All pipelines within the Company Pipeline System are monitored on a regular basis. Gas Control personnel monitor and control line pressures and product flow rate and operate remote controlled valves and compressor stations. Gas Control is operated on a 24-hour basis. Should a leak occur, Gas Control will dispatch field personnel to make an assessment and begin response efforts.

## II-2 Incident Response

Initial response actions are those taken by local personnel immediately upon discovery of a release or emergency incident, before the Incident Management Team (IMT) is formed and functioning. Timely implementation of these initial steps is crucial, as they affect the overall response operation.

Initial Response actions are required at the onset of an emergency response to mitigate the extent of a release, minimize the potential hazard to life safety and the environment, as well as implement an effective response. It is also important to act decisively and in doing so, create a professional working atmosphere among the Company and regulatory authority personnel and public officials.

All incident response actions will follow the PEAR response priorities:

- People
- Environment
- Assets
- Reputation

This section is intended to provide guidance for determining the appropriate initial response level and corresponding response procedures in the event of a release or other emergency incident

General guidelines on the procedures and sequence for making the various internal and external notifications, activations, and reporting requirements following any type of product release or other emergency incident can be found in this section.

The information provided herein focuses primarily on general notifications and reporting procedures

Specific internal and external notifications and contact lists can be found in Annex 2: Geographical Specific Notification Procedures and Contact Lists along with all notification checklists applicable to that area.