



PLAINS
MIDSTREAM
C A N A D A



PPTC
EMERGENCY RESPONSE PLAN

EMERGENCY RESPONSE PLAN
Corporate Toll Free 24-Hour Emergency
1-866-875-2554

Note:

Within the ERP, any information that is blacked out has been deemed sensitive and removed from the published redacted version as per the Canada Energy Regulator (CER) Order MO-006-2016. For additional information please contact emergency.management@plainsmidstream.com

Revision History

AMENDMENT PROTOCOL

This Emergency Response Plan will be reviewed, validated and updated as per regulation. Additional updates may be distributed if an identified change is deemed critical or upon the request of the Lead Agency.

All amendments will be distributed to each individual plan holder who will be responsible for incorporating them as they are received. A record of all amendments will be maintained utilizing the Revision History.

If you detect an error, or subsequent to the latest revision date, become aware of any changes to information, please complete an *Amendment Request Form* found in *Section 7: Reference Materials* and submit to [REDACTED].

Date	Summary of Revision	Section/Pages
October 2022	Core	<p>Revision History</p> <p>Distribution List – Internal copies revised to only consist of 2 Calgary EOC copies and 8 field office copies. Government agency recipients verified.</p> <p>Table of Contents (All) – Section 2 - Removed ICS Planning, renumbered IMT and IST, revised page numbers throughout all Sections.</p> <p>Manual Instructions (Pg 1 of 1) – Revised Section 2 and 6.</p> <p>Section 0: Overview (Pg 0-2) – Revised government agency names (MB).</p> <p>Section 2.0: Roles and Responsibilities (All) – Revised TOC, Removed ICS Planning Cycle and IMT and added reference to IM Handbook (IMH), replaced references of Field Operators Guide (FOG) with IMH.</p> <p>Section 4.0: Incident Specific Measures (All) – Revised TOC, removed 4.1 Function Support Plans specific contact information, references of eStream changed to MyPlains, revised STRP – Figure 1 STRP Activation – Flowchart, removed Security Incidents Response Guidelines – Hostage, removed note regarding additional FSPs.</p> <p>Section 5.0: Communications and Media (All).</p> <p>Section 6.0: Forms – Revised TOC, Pg 6-1 Form Index, revised the following forms: Security Threat Assessment Form, ICS; 201, 202, 211e, 211p, 214a, 234 and added ICS 214.</p> <p>Section 7.0: Reference Materials (All) – Revised TOC, <i>revised link for Transport Canada Guide for Reporting Dangerous Goods Incidents</i>, removed specific references to Section 9 page numbers, removed references to Section 2 IMT and added reference to IM Handbook, removed Canadian Energy Pipeline Association (CEPA), changed references of FOG to IMH.</p>

Date	Summary of Revision	Section/Pages	
October 2022, continued	Section 8.0: Government Agencies and Local Authorities	<i>(All)</i> – Government agencies and local authorities revised with new regulatory information, company name changes, and new government notification flowcharts. Updated government agency roles and local authority mutual understandings	
	Section 9.0: Area Specific Information	<i>(All)</i> – Verified contact information, refreshed EPZ calculations, maps revised.	
March 2021	Updated the CER Incident Number from 403-807-9473 to 403-299-2773	Section 9.0: Area Specific Information (Pipeline Section 1) - (Pg. 9-5)	
		Section 9.0: Area Specific Information (Pipeline Section 2) - (Pg. 9-4)	
		Section 9.0: Area Specific Information (Pipeline Section 3) - (Pg. 9-4)	
		Section 9.0: Area Specific Information (Pipeline Section 4) - (Pg. 9-5)	
		Section 9.0: Area Specific Information (Pipeline Section 5) - (Pg. 9-5)	
		Section 9.0: Area Specific Information (Pipeline Section 6) - (Pg. 9-5)	
		Section 9.0: Area Specific Information (Pipeline Section 7) - (Pg. 9-5)	
		Section 9.0: Area Specific Information (Pipeline Section 8) - (Pg. 9-7)	
		Section 9.0: Area Specific Information (Pipeline Section 9) - (Pg. 9-4)	
August 2020	Updated Core	Revision History Distribution List Operations Policy Security Management Commitment Statement Health & Safety Commitment Statement Environmental Protection Commitment Statement Table of Contents (i-iv) Section 0: Overview (Pgs. 0-1 and 0-2) Section 1.0: Initial Response – ALL Section 2.0: Roles and Responsibilities IMT Section – 2.12 Legal Officer (Pg. 2-29 and 2-30) Section 4.0: Incident Specific Measures - ALL Section 6.0: Forms (Table of contents i-ii, Pgs. 6-1 to 6-6) Section 7.0: Reference Materials - ALL	
		Updated government agency roles and local authorities	Section 8.0: Government Agencies and Local Authorities - ALL
		Updated area specific information	Section 9.0: Area Specific Information – ALL PPTC Wall Map Carried forward from 2019.
August 2019	Updated Core	Section 2.0: Roles and Responsibilities – ALL Section 7.0: Reference Materials - ALL	
	Updated government agency roles and local authority mutual understandings	Section 8.0: Government Agencies and Local Authorities - ALL	

Date	Summary of Revision	Section/Pages
	Updated area specific information	Section 9.0: Area Specific Information - ALL
January 2019	Updated Bullet and Storage Tank EPZ Assessment Tables	Section 9.0: Area Specific Information – Pipeline 4 (Pg. 9-15) Section 9.0: Area Specific Information – Pipeline 9 (Pg. 9-14)
November 2018	Updated Core	Section 0-7 - ALL
	Updated government agency roles and local authority mutual understandings	Section 8.0: Government Agencies and Local Authorities - ALL
	Updated area specific information	Section 9.0: Area Specific Information – ALL
October 2017	Updated ERP to new format	ALL (New Format)
	Updated Corporate policies	Foreword
	Updated government agency roles and local authority mutual understandings	Section 8.0: Government Agencies and Local Authorities - ALL
	Updated area specific information	Section 9.0: Area Specific Information - ALL

NOTE: During each regulated annual ERP update, all revisions (including dates) are captured in the above Summary of Revision table. Beginning in 2020, PMC will be removing revision dates from footers on every page.

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Plan No.	Recipient	Location	ERP Type
External Copies			

C = Confidential paper copy
NC = Non-Confidential paper copy
EC = Electronic Confidential
ENC = Electronic Non-Confidential

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Operations Policy

Mission

We connect our network of people and assets to safely deliver exceptional results.

Scope

This policy applies to Plains Midstream Canada ULC and its affiliates (PMC) in the United States and Canada, and all employees and those who work on behalf of PMC including contingent workers, contractors, and service providers.

Commitment

PMC commits to conducting our operations in a manner that ensures the safety and security of the public, employees and those who work on behalf of PMC; the safety, security and integrity of our assets, including property; the protection and stewardship of the environment; and the readiness to respond to incidents and emergency situations throughout the asset lifecycle.

Our commitment is consistent with the Code of Business Conduct, our focus on Safety Culture and our drive to zero incidents. It is supported by Operations' goals, and reflected in the sustainment and continuous improvement of the Operations Management System and its associated Programs including, but not limited to Health and Safety Management, Environmental Protection, Integrity Management (e.g., pipelines, facilities, caverns), Damage Prevention, Security Management, Emergency/Crisis Management, and Process Safety Management.

Operations Goals

- Goal 1: Eliminate Ruptures, Liquid and Gas Releases, Fatalities and Injuries
- Goal 2: Enable Response Readiness to Incidents and Emergency Situations
- Goal 3: Promote Financially and Socially Responsible Operations
- Goal 4: Promote Discipline in Planning and Managing Operations
- Goal 5: Promote Workforce and Leader Effectiveness

Accountabilities and Responsibilities

Employees and those who work on behalf of PMC are responsible to stop work, without fear of reprisal or disciplinary action, if an unsafe act or condition is identified; report incidents, close calls (near misses) and good catches (hazards and potential hazards); demonstrate commitment to this policy through their decisions and actions and be aware of, and conform to, the requirements of our Operations Management System and related programs, processes and procedures.

Document Review and Approval

This Policy will be reviewed annually by PMC Executive and applicable Leadership Teams. This Policy was approved and made effective on April 7, 2020 by:

A handwritten signature in black ink, appearing to read "Dean Liollo", is written over a horizontal line.

Dean Liollo, President and Accountable Officer
Plains Midstream Canada ULC

Emergency Management Commitment Statement

We are committed to the Operations Policy and conducting our operations in a manner that protects people, the environment and our assets. The Operations Policy is the source of the Plains Midstream Canada ULC (Plains) mission, as well as Operations commitment and goals. In support of delivering on the Operations Policy, we commit to the effective implementation and sustainment of the Emergency Management Program (EMP) and related processes and procedures.

Plains is prepared to manage all emergencies or any unplanned events and is prepared to protect the public, employees and contractors, Plains' assets, including property, and the environment. To achieve this, the Emergency Management Program (EMP) will:



- Be built on the foundations of Prevention and Mitigation, Preparedness, Response, and Recovery;
- Meet and exceed all regulatory and legal requirements;
- Consider all hazards when identifying and mitigating risks;
- Ensure Plains employees and contractors have appropriate emergency preparedness and response training;
- Ensure Plains responders have appropriate response equipment, tools, and resources;
- Ensure standardized objectives during a response:
 - Life Safety
 - Incident Stabilization
 - Minimize Impacts
- Ensure emergency responses are coordinated with regulators, first responders, government agencies, local authorities, and Indigenous communities to promote unified command; and
- Integrate and align with corporate commitments, processes, programs, and procedures as an element of the overall Operations Management System (OMS) and continual improvement.

This applies to all Plains' employees and contractors while at any company place of work and conducting work related duties or activities. All levels of Plains' management will be accountable for providing leadership and demonstrating conformance to this commitment.



Patrick D. Hodgins
Vice President, Health, Safety & Environment
Plains Midstream Canada ULC
January 25, 2021

Security Management Commitment Statement

We are committed to the Operations Policy and conducting our operations in a manner that protects people, the environment and our assets. The Operations Policy is the source of the Plains mission, as well as Operations commitment and goals. In support of delivering on the Operations Policy, we commit to the effective implementation and sustainment of the Security Management Program (SMP) and related processes and procedures.

The SMP integrates with other programs under the Operations Management System (OMS). The fundamental objective of the SMP is to protect assets, including business operations, by undertaking proactive and ongoing activities in efforts to prevent security incidents from occurring, managing potential security risks and by responding to security threats or incidents in a reasonable and measured manner.

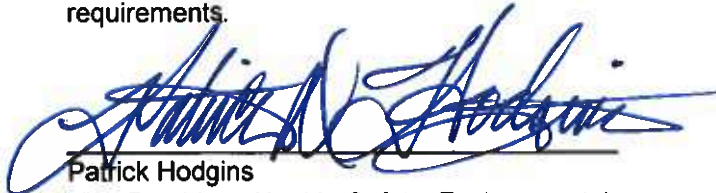
To achieve our desired program performance, we will:

- Establish the SMP to meet or exceed the requirements Canada Energy Regulator (CER) under the Onshore Pipeline Regulations (OPRs);
- Be compliant with Canadian Standards Association (CSA) Standard Z246.1 (Security Management for Petroleum and Natural Gas Industry Systems);
- Identify security risk and develop mitigation strategies, as required, to minimize risk;
- Establish physical protection of company assets from harm;
- Protect its information assets and Supervisory Control and Data Acquisition (SCADA) systems;
- Manage security threats and/or incidents appropriately and to respond in a practical manner;
- Promote the SMP understanding by employees;

Success will be achieved by consistently meeting our goals and objectives including demonstrating continual improvement through:

- Performing training and exercises
- Conducting Security Risk Management activities (Security Vulnerability Assessments (SVA's) and Security Inspections);
- Providing safe, secure and healthy working conditions;
- Protecting the environment; and
- Protecting all assets from harm;

The SMP will undergo assurance activities, reviews and audits to meet program objectives and regulatory requirements.



Patrick Hodgins
Vice President, Health, Safety, Environmental
Plains Midstream Canada ULC
August 5th, 2021

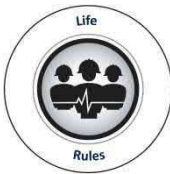
Health & Safety Commitment Statement

At Plains, we value people working safely and free from harm, and are committed to sustaining a strong health and safety culture. We promote the ideals of a reporting culture, by encouraging reporting of safety concerns without fear of blame, by maintaining confidentiality and by acting on reported issues; a just culture, where there are no reprisals for unintentional errors and unsafe acts; and, a learning culture, where we learn from mistakes and adverse events, and take appropriate actions to improve performance.

Employees at all levels, including contractors are responsible for fostering a safe and healthy workplace and promoting safety in their work. This Commitment Statement includes living by our Life Rules and exercising our Stop Work Authority.

To achieve a strong safety culture, we will:

- Identify, assess and control health and safety hazards and risks, and prevent injuries and ill health.
- Set and achieve objectives and targets consistent with this Commitment Statement, our health and safety risks, legal requirements and commitments.
- Provide our employees with the training, guidance and resources necessary to meet their health and safety responsibilities and to create a safe and healthy workplace.
- Consult and collaborate with our employees, contractors and other stakeholders on health and safety matters.
- Adhere to government legislation, meet legal requirements and industry safety standards and ensure these requirements are built into controls to properly operate and maintain equipment.
- Hold our employees and contractors accountable in conducting their activities in accordance with Plains' standards. We will endeavor to do business with companies and contractors who can meet our standards and share our commitment.
- Continually monitor, assess and improve health and safety performance, and report progress in a transparent and timely manner.



The Plains Health and Safety Management Program (HSMP) supports the implementation of this Commitment Statement and the enhancement of health and safety processes as we strive to conduct operations in a manner that protects our employees and contractors, the public and communities where we operate, and the environment.



Patrick Hodgins
Vice President, Health, Safety, Environment, and Regulatory
Plains Midstream Canada ULC
July 22, 2021

Environmental Protection Commitment Statement

We are committed to the Operations Policy and conducting our operations in a manner that protects people, the environment and our assets. The Operations Policy is the source of the PMC's mission, as well as Operations commitment and goals. In support of delivering on the Operations Policy, we commit to the effective implementation and sustainment of the Environmental Protection Program and related processes and procedures.

Plains Midstream Canada ULC (Plains) is committed to conducting our operations in a manner that ensures environmental protection. We encourage reporting of environmental concerns without fear of retaliation and we take appropriate actions to improve performance.

Employees and contractors are responsible for identifying and mitigating environmental risks and hazards as part of their work activities and for adhering to the principles and initiatives of environmental protection that are outlined in the Environmental Protection Program (EPP). To ensure environmental protection forms an integral part of how we do our business at Plains, the EPP has been designed to ensure that we will:



- Meet or exceed legal requirements.
- Set and achieve environmental goals, objectives and targets associated with managing environmental hazards.
- Identify, evaluate, and manage environmental hazards on an ongoing basis.
- Provide our employees with appropriate training, guidance and awareness necessary to meet their environmental protection responsibilities.



- Continually monitor, assess and improve our EPP to prevent pollution and minimize our environmental footprint.
- Report on our environmental performance and progress in a transparent and timely manner.
- Ensure integration with other Plains programs in support of our Operations Management System.

The Environmental Protection Program supports the implementation of this Commitment Statement and the enhancement of our environmental processes. We are committed to ensuring public safety and upholding the highest standards of environmental protection.



Patrick Hodgins
Vice-President, Health, Safety, Environment, and Regulatory
Plains Midstream Canada ULC
July 22, 2021

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NOTE: This section will vary based on the area and operations associated with the ERP. Refer to the Area Specific Information tabs for more details.

Manual Instructions

How to Use the Manual

This manual is arranged with the company response personnel in mind. The first eight sections are what form the PMC Core Emergency Response Plan (Core ERP) and are consistent across all PMC operations and associated ERPs. Sections 8 and 9 contain all area and/or site specific information to each ERP.

Section 0 – Overview

An introduction to the plan that outlines the Emergency Management Program and the emergency response framework.

Section 1 – Initial Response

Provides an Initial Response Checklist to initiate an incident response and activate the Incident Management Team while considering the safety of responders, workers and the public.

Section 2 – Roles and Responsibilities

Outlines the PMC response framework for Incident Management Team (IMT) and Incident Support Team (IST). It contains roles and responsibilities checklists for all possible Incident Support Team positions. For more information on specific IMT roles, refer to the Plains Incident Management Handbook.

Section 3 – Responder Safety and Public Protection

Processes and considerations to protect responders and to determine the safest way to protect the public during an incident.

Section 4 – Incident Specific Measures

Information and procedures specific to various identified incident types. Note that these are not Standard Operating Procedures and outline general guidelines emergency responders to consider.

Section 5 – Communication and Media

Provides an overview of the Crisis Communications Manual and outlines protocol for emergency communications and general media interactions.

Section 6 – Forms

Includes all forms required in an emergency (Government First Call, Executive Update Form, AER Release Reporting Form, Security Threat Assessment, Incident Command System, Public Protecting Forms and WCSS)

Section 7 – Reference Material

General ERP related information including: regulatory references, plan maintenance, acronyms, glossary terms, and product characteristics.

Section 8 – Government Agencies and Local Authorities

Outlines the notification requirements and contains the roles and responsibilities for lead and supporting agencies that are specific to the ERP. Also includes the roles and responsibilities for local/regional authorities and mutual aid.

Section 9 – Area Specific Information

Outlines emergency response information specific to the area and operations. This includes: contact information, maps, technical data, response equipment, lead agencies, support services and confidential information.

SECTION 0: Overview

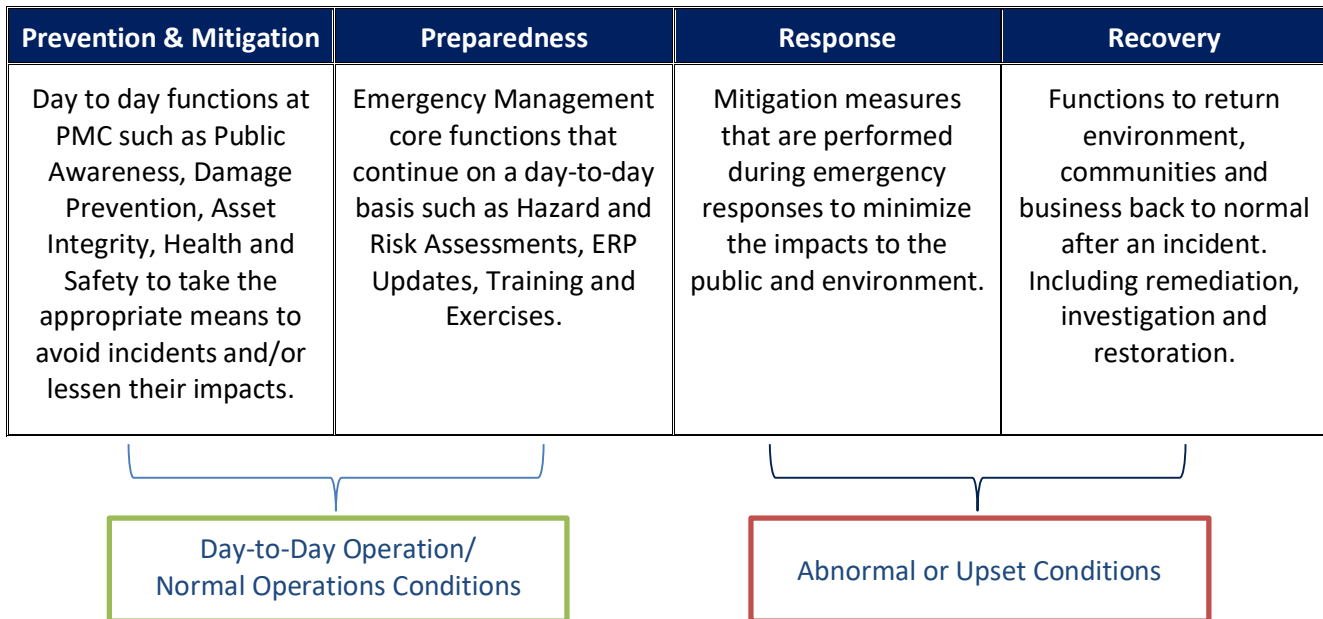
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SECTION 0: Overview

0.1 Introduction

Plains Midstream Canada (PMC) has identified the Core Emergency Response Plan (Core ERP) as a critical component of the Emergency Management Program (EMP). The EMP has been designed, using the four pillars of emergency management, to meet the need to anticipate, prevent, manage, and mitigate conditions during an emergency that could adversely affect the safety of the public, responder, property, and the environment. The Four Pillars of Emergency Management (EM):



As part of the EMP, PMC requires the development of Emergency Response Plans (ERP) focused around the protection of employees, the public, the environment, company assets and reputation. Each ERP consists of two major components and is designed for a particular geographical region, pipeline system and/or critical facility/site.

1. Corporate (Core) ERP – Comprised of Sections 0 through 7 that outline PMC’s emergency response framework and allows for a consistent approach to all emergencies company wide.
2. Area/Site Specifics – Comprised of Sections 8 and 9 that outline all information specific to the ERP including all applicable federal (including ECCC E2) and/or provincial regulatory requirements, outlining applicable assets/operations, and identifying local hazard/response considerations.

A key component for the development of ERPs is the EM consultation program the contact of impacted stakeholders. The EM consultation program consists of the following:

- Public consultations
- Local authority, indigenous community, first responder, and government agency consultations
- Area user notifications

The contacted stakeholders are defined by the EPZ and types of consultations / notifications are defined by the applicable regulatory body. All PMC ERPs are directly supported by the PMC Operations Management System (OMS) and guided by the Operations Policy and the Emergency Management Commitment Statement.

In addition to supporting internal PMC systems, the Core ERP is designed to meet and exceed the regulatory requirements set out by the following regulatory agencies and associated regulations:

- Canada Energy Regulator (CER)
 - Onshore Pipeline Regulations (SOR/99-294)
- Alberta Energy Regulator (AER)
 - Directive 071 and 056
- Saskatchewan – Ministry of Energy and Resources (ER)
- Manitoba Agriculture and Resource Development (ARD) – Petroleum Branch
- Ontario Energy Board (OEB)
- Ontario – Ministry of the Solicitor General – Emergency Management Ontario (EMO)
- Ontario – Technical Standards and Safety Authority (TSSA)
- Canadian Standards Association (CSA)
 - Z246.2, Z731, Z1600 and Z662
- Environment Canada and Climate Change (ECCC)
 - Canadian Environmental Protection Act – Environmental Emergencies (E2)
- Transportation Safety Board (TSB)

0.2 Objective

PMC has developed the Core ERP to assist company personnel respond to emergencies for all operations. The primary objective of the ERP is to clearly define the framework and the tools that facilitate the ability of PMC personnel to respond consistently and effectively to all incidents (operational and non-operational).

The ERP is designed to assist with:

- Activation of the ERP.
- Initial response procedures and tools.
- Internal notification process.
- Incident Command System (ICS) processes and incorporate ICS key principles.
- Response organization and structures.
- Roles and responsibilities checklists for field and corporate level responding personnel.
- Emergency response procedures and guidelines to protect people, the environment and assets threatened in an emergency.
- Notification and communication requirements to all stakeholders (public, government, media, internal, etc.).
- Documentation tools and requirements.
- Fulfill all provincial and federal emergency management regulatory body requirements.
- Required post emergency actions including evaluation and follow up.

In conjunction with the ERP, PMC's adoption and full implementation of the Incident Command System (ICS) ensures that an organizational and systematic response structure will be initiated and established equal to the complexity and demands of an emergency.

0.3 Scope

The PMC Core ERP supports all PMC personnel from field responders on-site that comprise the Incident Management Team (IMT) and Corporate Calgary responders that comprise the Incident Support Team (IST). It contains the core ERP components, outlined in Sections 1 through 7, that are consistent across all ERPs including area specific and tactical plans. Sections 8 and 9 contain all area and/or site specific information to each ERP.

Section 8 outlines the applicable government agencies, local/regional authority's roles and responsibilities, as well as company-wide and local support agreements with external agencies and mutual aid partners. Section 9 (if applicable) outlines all area specifics including: operations overview, general area overview, contact lists for PMC personnel, external contact lists (government, local authority, first responders, support services, etc.), area user information, site equipment and processes, technical data, maps and confidential resident information.

The PMC Core ERP is guided by the PMC Operations Policy and Emergency Management Commitment Statement and complimented by Functional Support Plans (FSPs). It is aligned with the standards and expectations of first responders, regulators, local authorities and industry partners.

0.4 Emergency Response Framework

0.4.1 Response Principles

1. The highest priority is placed on human life (personal, employees, contractors and the public).
2. ICS is utilized as the foundation for response to all incidents.
3. All responders (field and corporate) are trained to ICS procedures and principles.
4. All responders are trained annually via exercises and role/hazard specific training sessions.
5. The IMT (field responders) are expected to manage the emergency response with support from the IST (corporate responders).
6. Responders must 'Get Big Quick' and mobilize as many responders as possible at the onset of an emergency.

0.4.2 Response Organizations

The PMC emergency response framework is comprised of two response organizations that work in conjunction with one another and are in regular communication. Key reporting lines are established between each response organization and communications are encouraged between leadership roles within each.

0.4.3 Incident Management Team (IMT)

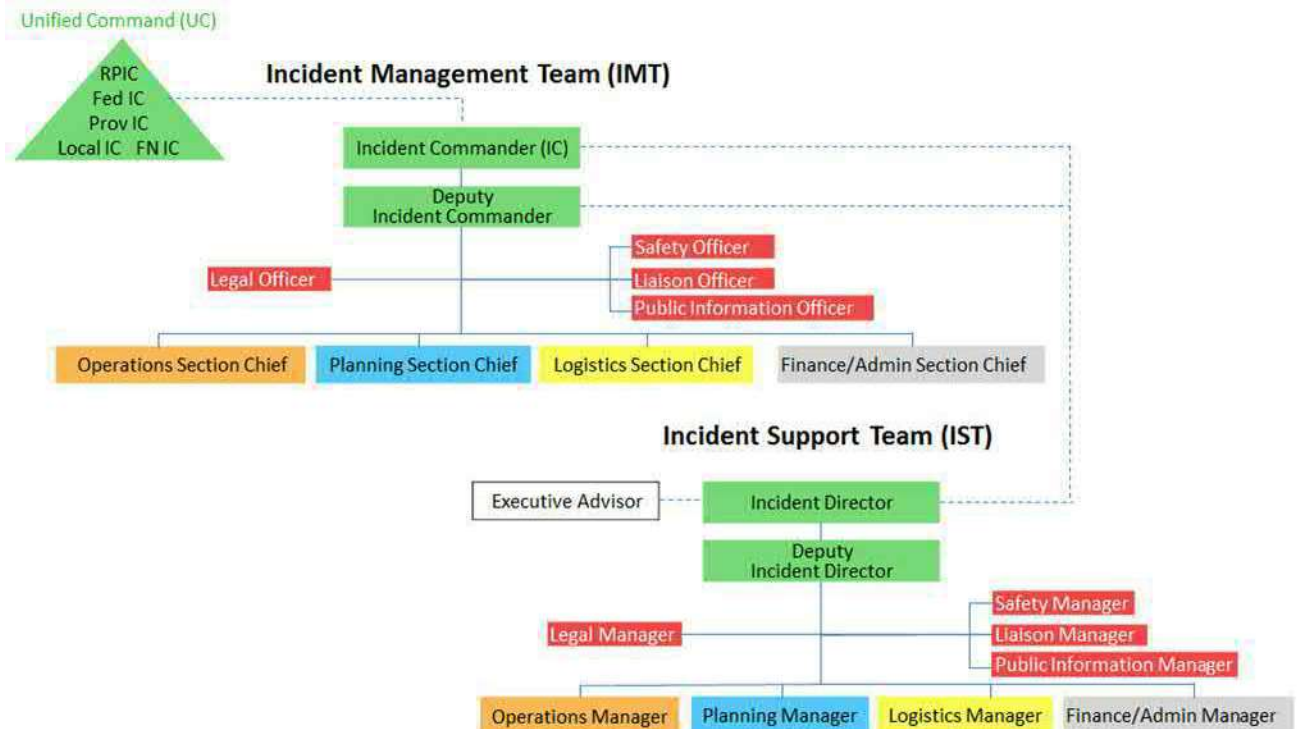
- Based in the field at the Incident Command Post (ICP).
- Responsible for managing the emergency response and all field level (tactical) emergency response actions.
- Managed by the Incident Commander and initially comprised of local and nearby area personnel. Other company personnel who are trained to respond may take IMT roles as well as external agencies/company personnel, as required.

- Deputy Incident Commander must be established communicates and report to the Incident Director (IST) at the EOC.
- IMT leadership is comprised of:
 - Command Staff: Incident Commander, Deputy Incident Commander, Safety Officer, Liaison Officer and Public Information Officer.
 - General Staff: Operations, Planning, Logistics and Finance/Administration Section Chiefs.

0.4.4 Incident Support Team (IST)

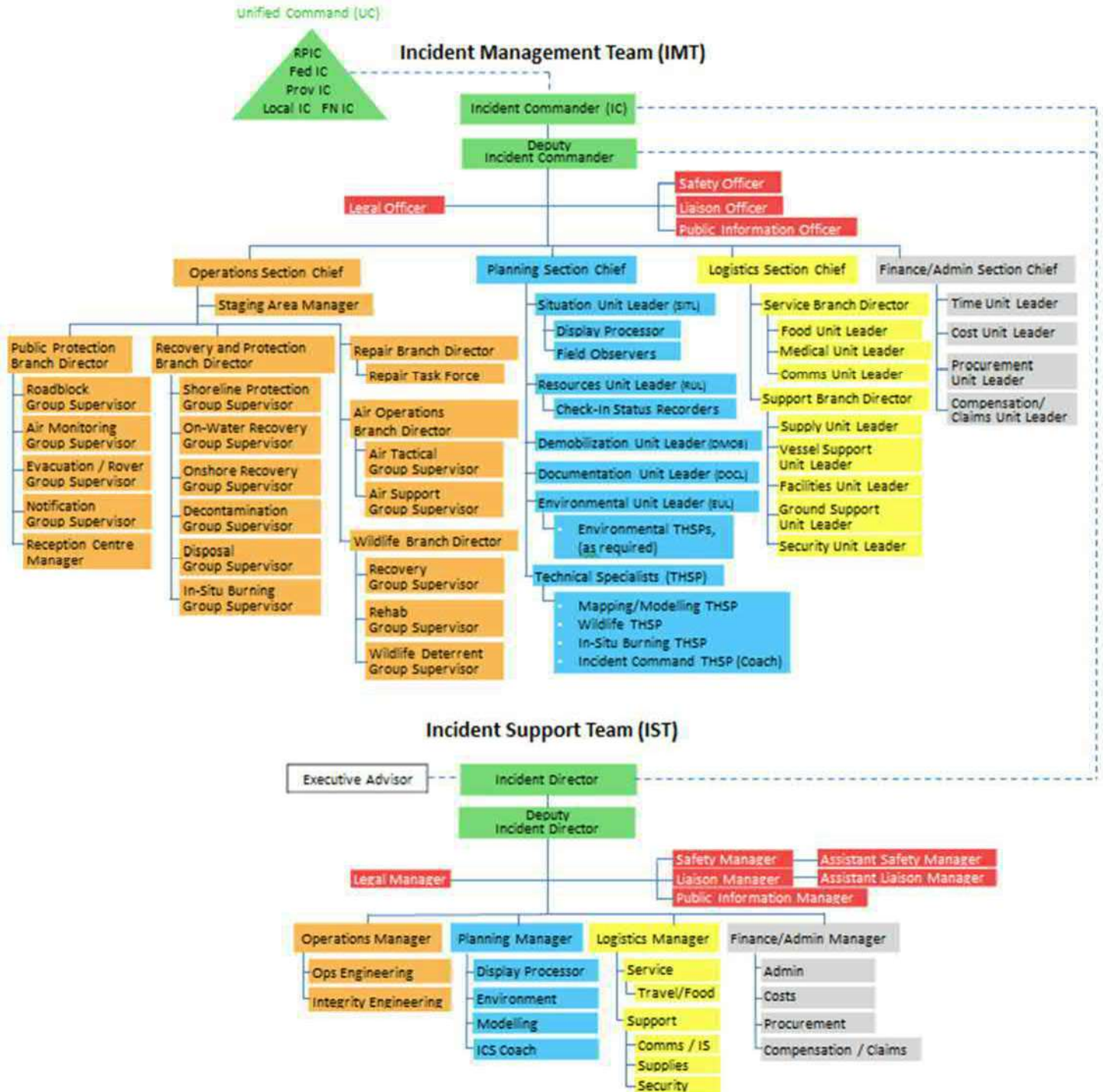
- Based in Calgary at the Emergency Operations Centre (EOC).
- Responsible for supporting the IMT, managing long term impacts and business continuity.
- Executive Advisor communicates and reports to the Crisis Management Team at the PMC Head Office.
- IST leadership is comprised of:
 - IST Command Staff: Incident Director, Deputy Incident Director, Safety Manager, Liaison Manager and Public Information Manager.
 - IST General Staff: Operations, Planning, Logistics and Finance/Administration Managers.
- Managed by the Incident Director and comprised of Calgary Corporate personnel.

0.4.5 Response Organizational Structure (Condensed)



NOTE: Roles and responsibilities are assigned based on the needs of the incident and span of control.

0.4.6 Response Organizational Structure (Expanded)



NOTE: Detailed roles and responsibilities checklists can be found for all IMT and IST positions in Section 2: Roles and Responsibilities.

0.4.7 Incident Command System

PMC has adopted and fully implemented the Incident Command System (ICS) at all levels within the organization. ICS is a comprehensive and practical system widely used nationally and internationally by both government and industry sectors to manage emergencies. It is a standardized, on scene, management system used for all types of emergency and non-emergency events. PMC has adopted the following core and consistent incident priorities for all emergencies:



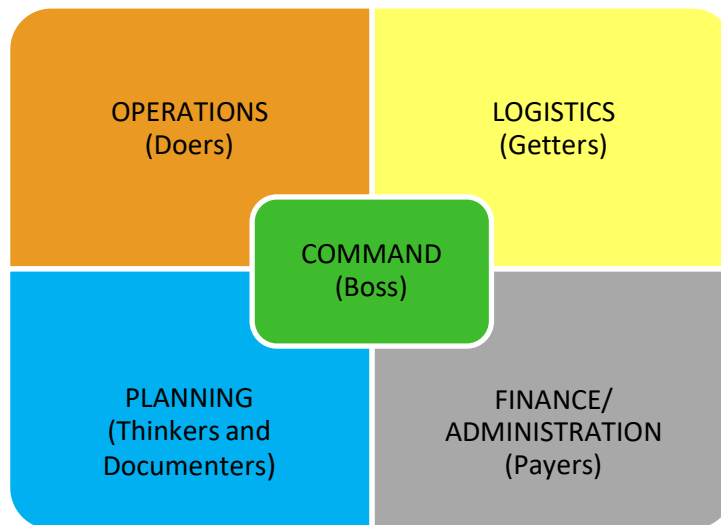
All PMC personnel are trained to the following ICS principles and features that include:

- Common Terminology
- Establishment and transfer of command
- Chain and unity of command
- Unified command
- Management by objectives
- Incident Action Plan (IAP)
- Modular (flexible) organization
- Manageable span of control
- Comprehensive resource management
- Incident location and facilities
- Integrated communications
- Information and intelligence management
- Personnel accountability
- Dispatch / Deployment

PMC personnel will use the ICS Planning Cycle (Planning “P”) and ICS Forms to manage a response to an emergency.

PMC focuses training and formulates emergency responses based on the **management by objectives** principle. This is a systematic and organized approach that involves establishing and prioritizing common objectives to guide the actions of all responders. This approach allows responders to focus on achievable goals and to attain the best possible results from available resources. At the onset of an incident the incident priorities (life safety, incident stabilization and minimizing impacts) provide guidance for the objectives and are documented on the *ICS 201*. The incident priorities will act as the objectives until there is time to define SMART objectives that will also be added to the *ICS 201*. During a prolonged response the incident priorities are utilized to define and prioritize objectives within the **Incident Action Plan (IAP)** that are specific to the incident and hazard/area considerations. All incident communication, reporting and assignments occur using **common terminology** through clear text/speech and specific details without the use of slang, codes or acronyms. Roles and responsibilities are then identified based on the strategies and

tactics that are outlined to achieve the established objectives. This works in conjunction with the principle for modular organization and the development of an organizational structure specific to the incident. There are five primary ICS management functions that apply to both the Incident Management Team (IMT) and Incident Support Team (IST):



Command	The Incident Commander is responsible for <u>all</u> response actions until additional functions and positions are assigned. Additional functions include the Command Staff that is comprised of the Safety Officer, Liaison Officer and Public Information Officer as well as General Staff comprised of Operations, Planning, Logistics and Finance/Admin.
Operations	Operations is responsible for directing all field tactical actions that include all responder and public safety actions, incident stabilization as outlined in the Incident Action Plan. It includes identification of personnel and equipment resources required to carry out tactical operations.
Planning	Planning is responsible for the collection, evaluation, dissemination, maintenance and display of incident information, and preparation of the Incident Action Plan to be executed by the Operations Section. It is also responsible for predicting the potential of the incident and to assess and recommend response tactics and countermeasures.
Logistics	Provides support to response operations by ordering resources and services, tracking and notifying responding personnel once they are available.
Finance/Admin	Ensures funding is available and tracked for response actions, monitors, manages, and tracks response related cost-accounting including time recording, claims and compensation.

The five primary ICS functions management functions are utilized by the Incident Commander. Once the incident has been assessed and it has been determined that the ERP will be activated, field personnel will be mobilized to create an Incident Management Team (IMT) organizational structure specific to the hazards and needs/complexity of the emergency response. At PMC the Incident Support Team which provides support to the Incident Management Team, Incident Director follows a similar process, however mobilizes corporate personnel to create the Incident Support Team (IST) organizational structure specific to the incident and supporting the IMT. The creation of the organizational structure helps to ensure the following:

- **Unity of command** – Each responder reports to and receives direction from one source.
- **Chain of command** – Outlines an orderly line of authority primarily focused on Section Chiefs, Branch Directors and single resources.
- **Span of control** – Refers to the number of reports one person may have. It may range from 3-7 but the optimal number is 5.

All tactical resources are assigned to the **Operations Section** and the most hazardous activities are carried out there. Because of this, it is necessary to carefully monitor the number of resources that report to any one supervisor.

The following supervisory levels can be added to help manage **span of control**:

- Divisions are used to divide an incident geographically.
- Groups are used to divide functional areas of operation.
- Branches are used when the number of Divisions or Groups extends the span of control and can be either geographical or functional. Within Branches:
 - Unit – That organization element having functional responsibility for incident, logistics, or finance/administration activity.
 - Task Force – A group of unlike single resources assigned to complete certain tactical assignments.
 - Strike Team – Similar to a Task Force but comprised of the same kind and type of resources to complete tactical assignments.

When responders are mobilized, they may be dispatched and/or report to any of the following **incident facilities**:

Incident Command Post (ICP)	The facility location where the command functions are carried out and the Incident Management Team resides. Typically located in close proximity to the incident. There should only be one ICP per incident response.
PMC Emergency Operations Centre (EOC)	The facility location established for the Incident Support Team to carry out their functional responsibilities and check-in. It is located in the Calgary PMC Plaza.

Staging Area	A temporary location established by the Operations Section Chief for incident personnel and equipment to check-in and be immediately available for deployment on a tactical assignment. There may be multiple staging areas based on incident needs and are managed by a Staging Area Manager.
Heli-base	The main location from which helicopter-centred air operations are conducted.
Heli-spot	Temporary location for helicopters to safely load and unload personnel and cargo.
Reception Centre	A facility established for evacuated residents to check-in and for responders to assess their needs. There may be multiple reception centres based on incident needs.

The process of moving the responsibility from one Incident Commander to another is called **transfer of command** and generally occurs for expanding incidents and/or incidents spanning over multiple operational periods. There are 4 key steps to consider during transfer of command:

1. The outgoing Incident Commander should conduct an assessment with the incoming Incident Commander.
2. The Incoming Incident Commander must be adequately briefed on the *ICS 201 or current IAP*.
3. After the incident briefing, the incoming Incident Commander should determine an appropriate time for transfer of command.
4. At the appropriate time, notice of a change in incident command should be made to all responders.

Similarly, transfer of personnel follows the same principles and occurs when responsibility is moved from one responder to another. Transfer of command and/or personnel should be planned to ensure there are no impacts during the transition period.

NOTE: Section 2: Roles and Responsibilities include checklists for 2.5 Transfer of Personnel (all responders) and 2.6 Transfer of Command (Incident Commanders).

Unified Command may be needed for an incident response involving multiple jurisdictions or agencies. Unified Command is an authority structure in which the role of incident commander is shared by two or more individuals. Unified command is one way to carry out command in which responding agencies and/or jurisdictions with responsibility for the incident response share incident management.

If a Unified Command is needed, Incident Commanders representing agencies, jurisdictions, or organizations that share responsibility for the incident manage the response from a single Incident Command Post. A Unified Command allows agencies with different legal, geographic, and functional authorities and responsibilities to work together effectively without affecting individual agency authority, responsibility, or accountability. Under a Unified Command, a single, coordinated Incident Action Plan will direct all activities. The Incident Commanders will supervise a single Command and General Staff organization and speak with one voice.

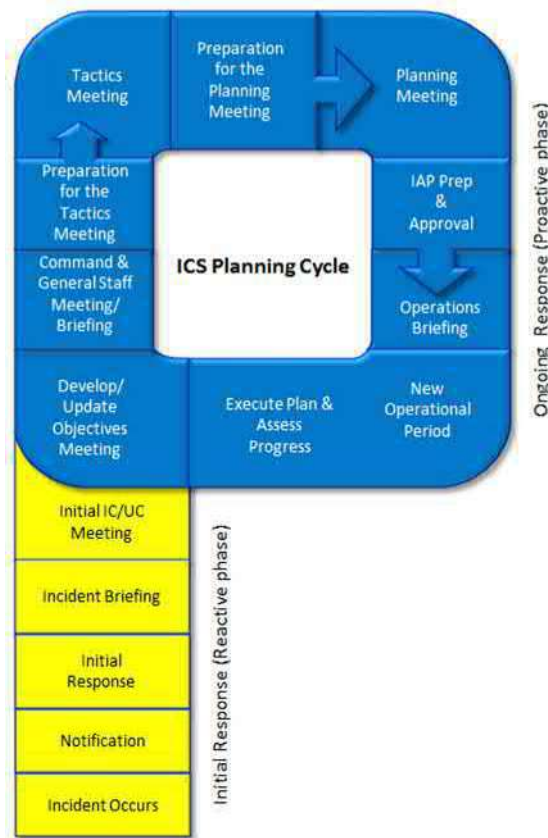
0.4.8 ICS Planning Cycle

Sound, timely planning provides the foundation for effective incident management. The Planning “P” acts as a guide to the ICS planning cycle and outlines steps involved in the strategic, operational, and tactical planning for an incident.

The ICS Planning Cycle (Planning “P”) is used by the IMT Command Staff and General Staff in the Incident Command Post (ICP) to manage and execute Incident Action Plans (IAP) during each operational period.

The stem of the “P” outlines the Initial Response (Reactive phase) that takes place at the onset of the incident (first operational period) and focuses on the completion of the **ICS 201**. These steps include: Notifications, Initial Response, Incident Briefing, and Initial Incident Command (IC)/Unified Command (UC) Meeting. The actions associated with these steps are outlined in *Section 1: Initial Response* and the *Initial Response Checklist*.

The top of the “P” outlines the planning cycle known as the Ongoing Response (Proactive phase). The planning cycle steps work towards the completion of an IAP for the next operational period. These steps include: *Develop/Update Objectives Meeting, Command and General Staff Meeting, Preparing for the Tactics Meeting, Tactics Meeting, Preparing for the Planning Meeting, Planning Meeting, IAP Prep & Approval, and Operations Briefing*. The completed IAP should outline the objectives, strategies and tactics for the last step of the cycle (*Execute Plan & Assess Progress*). At this point, the planning cycle begins again for the following operational period. Full details of the ICS Planning Cycle steps and meetings are outlined in *Section 2: Roles and Responsibilities – ICS Planning Cycle*.



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SECTION 1: Initial Response

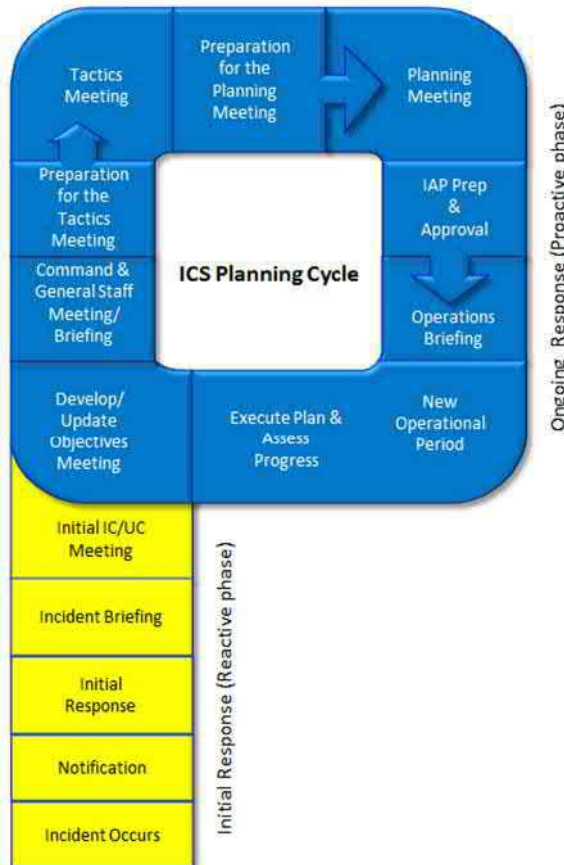
1.1 Introduction

The Initial Response section provides guidance for all responders, with a heavy focus on the Incident Management Team (IMT) to respond to an emergency during the first operational period. Initial Response (reactive phase) is comprised of: *Notification, Initial Response, Incident Briefing, and Initial IC / UC Meeting*; the yellow boxes indicated below within the stem of the Planning “P”.

An Initial Response Checklist has been created to assist with the majority of these actions and it revolves around the completion of the *ICS 201 Incident Briefing Form*. The *ICS 201* acts as the Incident Action Plan and captures all information for the first operational period.

The Initial Response Checklist and *ICS 201* are documents which need to be used to guide the initial response and document all actions. These documents are then used to help conduct the Incident Briefing and the Initial Incident Commander / Unified Command Meeting. The details (purpose of the meeting, agenda items and attendees) for these two steps are outlined at the end of this section.

NOTE: The Initial Response process and actions for the IST and Corporate responders are outlined in Section 2: Roles & Responsibilities – IST.



1.2 First on the Scene Actions

The highest priority is personal safety. First responders should consistently approach every incident and hazard by taking the following actions.

1. **Evacuate** - Remove yourself from the hazard area and direct others to a designated safe area. Take a head count as applicable.
2. **Alarm** - Alert other area personnel, immediately contact the Olds Operational or Local Authorized Control Centre and notify emergency services, if required.
3. **Assess** - Do an initial assessment of the situation. Identify and control hazards and risks.
4. **Protect** - Control entry into the immediate hazard area and put on the appropriate personal protective equipment.
5. **Rescue** – Safely enter the hazard area to recover any injured /missing personnel as applicable.
6. **First Aid** - Once the casualty has been removed to a safe area, assess the casualty's conditions and apply the appropriate first aid. Ensure local emergency services have been contacted and arrange for transport.

1.3 Initial Response Checklist

PMC has developed a quick reference Initial Response Checklist to assist response personnel with the actions required at the onset of an emergency. This checklist provides a general guideline for the Incident Commander. The Incident Commander is responsible to ensure that all steps are addressed and may delegate responsibilities to other responders as required. Note that some actions may not be applicable given the nature of the incident. The checklist is organized into six steps. Each outlined step has additional supporting information regarding the actions and considerations required to fully complete the Initial Response (reactive phase) process.

PMC has adopted the ICS incident priorities for all emergencies and use them as the initial objectives for all initial response actions. These priorities are:



INITIAL RESPONSE CHECKLIST

Notifications

- Complete the *Initial Response Guidebook (IRG) Initial Notifications Form*
 - District Manager
 - HSE Representative(s)
 - Regulator
 - Division Director
 - Oil spill response contractors
 - Mutual aid organizations
 - Control Center
 - Support services
 - Local companies
- Begin to establish an Incident Management Team (IMT)

Initial Actions and Assessment

- Secure the site, incident area and/or emergency planning zone (EPZ)
- Consider evacuating the area (or facility) and/or non-critical personnel, as required
- Ensure completion of the *IRG Critical Information Report*
 - Location & Asset type
 - Workers involved & Injuries
 - Security impacts
 - Current situation
 - Public impacts
 - Assistance/equipment requirements
 - Product type & volume released
 - Environmental impacts
 - Incident Picture & ERG App Screenshot

Note: For security incidents refer to the Security Response Checklist.

Document Initial Actions

- Begin updating the *ICS 201 Incident Briefing Form*
 - Map
 - Safety considerations
 - Current actions
 - Incident details
 - Priorities
 - Organizational chart
 - Current situation
 - Objectives
 - Resources
- Ensure completion of the *IRG Initial Incident Site Safety and Health Plan*
- Provide an update to all responders and leadership
- Determine with leadership if the EOC needs to be activated
- Identify the applicable ERP and site specific information

Level of Emergency*

For operational incidents, refer to *Incident Classification Matrix* for guidance

- | | | | |
|--------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> Alert | <input type="checkbox"/> Level 1 | <input type="checkbox"/> Level 2 | <input type="checkbox"/> Level 3 |
|--------------------------------|----------------------------------|----------------------------------|----------------------------------|

- Communicate the level of emergency to the Control Center, EOC, all responders, and regulators

Incident Details

- Continue to gather incident details
- Determine and/or confirm the public safety and responder zones - EPZ, Hot/Warm/Cold Zones, etc.
- Determine public protection measures to ensure public safety - evacuation, shelter-in-place, ignition
- Identify all potential impacts/hazards and define sensitive areas - weather, public, environment, etc.

Activate Emergency Response Protocols

- 'Get Big Quick' - Mobilize personnel, services and equipment required
- Activate and establish incident facilities - ICP, EOC, staging area, reception centre, etc. (as required)
- Establish communications between incident locations, facilities, and responders
- Activate and populate an incident specific *VEOC/VICP site**
- Develop a Safety Plan, including applicable SOPs, FLHAs, etc. (*ICS 208*)
- Document response actions and plans (*ICS 201, ICS 207, ICS 211 p/e & ICS 234*, as required)

Incident Briefing and Next Steps

- Conduct Initial Incident Briefing (Review current *ICS 201* from the IMT)
- Establish SMART objectives, strategies and tactics (*ICS 234*)
- Assign roles & responsibilities to accomplish strategies and tactics (*ICS 207-IMT*)
- Populate the *Situation Status Display Board* with current information

*For Canadian operations only

Security Response Checklist		
Threat Assessment Tool		
<input type="checkbox"/> Complete the Threat Assessment Tool: Likelihood – Medium or High (Realistic) – Initiate Security Notifications		
<input type="checkbox"/> Likelihood – Low (Non Realistic)	<input type="checkbox"/> Likelihood – Medium (Realistic)	<input type="checkbox"/> Likelihood – High (Realistic)
Security Notifications		
<input type="checkbox"/> Notify Plains Supervisor, District Manager, Director Operations, Sr. Vice President <input type="checkbox"/> Contact local law enforcement via Non-Emergency number, use 911 if required <input type="checkbox"/> Notify the Operational Control Centre (OCC) and issue a PINS/Maximo Incident and/or Service Desk (for Cyber Incident) <input type="checkbox"/> Notify Information Services Incident Support Team distribution list (Dist-GRP-IncidentSupport) (for Cyber Incident) <input type="checkbox"/> Notify the Security Management Department and/or Information Services (for Cyber Security) <input type="checkbox"/> Activate EOC and/or ICP		
Document Initial Actions		
<input type="checkbox"/> Begin documenting all actions on ICS201 Incident Briefing Form <ul style="list-style-type: none"> • Record initial incident details (type of incident, location, personnel, communications, response details) • To achieve incident priorities - <i>Life Safety, Incident Stabilization and Minimize Impacts</i> <input type="checkbox"/> Consider site evacuation to Muster Points <input type="checkbox"/> Begin completing the Security Threat Assessment Form (for Security and/or Cyber Security Incidents)		
Security Threat Response Plan (STRP) Standard		
<input type="checkbox"/> Complete Security Threat Assessment Form <input type="checkbox"/> Determine Plains Security Threat Level: <input type="checkbox"/> Low Threat <input type="checkbox"/> Medium Threat <input type="checkbox"/> High Threat <input type="checkbox"/> Conduct Security Threat Briefing and review Security Threat Level with Plains Management and ICP/EOC <input type="checkbox"/> Liaise with Plains Officer for final approval to raise Security Threat Level <input type="checkbox"/> Implement Countermeasures for Medium/High Security Threat Level as required <input type="checkbox"/> Notify – Internal Notifications and External Notifications <input type="checkbox"/> Activate Site Specific STRP and/or Cyber Security Functional Support Plan (if required)		
Activate - ERP		
<input type="checkbox"/> Determine the Level of Emergency: <input type="checkbox"/> Alert <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Communicate the Security Threat Level And Emergency Level <input type="checkbox"/> Notify the lead Regulatory Body (AER, NEB, MECON, EMO, Transport Canada, USCG, TSA, DHS, ETC) as required <input type="checkbox"/> Incident Response Classification (<i>Refer to 1.3.4.2. Incident Classification Matrix</i>) for response activities <input type="checkbox"/> Evacuate facility and/or non-critical personnel, as required <input type="checkbox"/> Activate and establish incident facilities - ICP, EOC, staging area, reception centre, etc. <input type="checkbox"/> Complete an <i>ICS 211p</i> &/or <i>ICS 211e</i> at all incident facilities and response locations <input type="checkbox"/> 'Get Big Quick' - Mobilize personnel, services, and equipment required <input type="checkbox"/> Develop a Safety Plan (including applicable <i>SOPs, FLHAs, etc.</i>) <input type="checkbox"/> Update the ICS 201, Security Threat Assessment Form, ICS 207 and/or ICS 234. <input type="checkbox"/> Consider utilizing Security Intelligence Officer		
Site Evacuation		
Evacuation as per local procedures and ensure 100% of personnel are accounted for; this includes all Plains employees, contractors, and visitors on site. The following points should be observed: <ul style="list-style-type: none"> <input type="checkbox"/> Personnel should leave office doors open as they leave (suspect package only) <input type="checkbox"/> Personnel should take their personal belongings with them (e.g. purse, lunch bag, and briefcase). <input type="checkbox"/> Instruct personnel to be observant during evacuation and report any suspicious packages or activities immediately. <input type="checkbox"/> Personnel must be instructed NOT to post information on social media or contact people outside of the Plains organization 		

1.3.1 Notifications

In the case of an emergency, internal and external notifications must be made. This step outlines the required notifications along with processes for doing them. Specifically, the Notification Flowchart outlines who needs to be contacted, the order that notifications occur and the related decisions and actions.

PMC Field Leadership will be notified of a potential incident or emergency through one of three avenues.

1. Member of the public contacts the local emergency number.
2. PMC employee/contractor identifies an emergency and contacts the Area Supervisor and/or the Olds Operational or Local Authorized Control Centre.
3. Olds Operational or Local Authorized Control Centre detects an issue or receives a system alert and contacts the Area Supervisor and on-call H & S Advisor.

1.3.1.1 Internal Notification

The first responder must immediately notify the Area Supervisor and Olds Operational or Local Authorized Control Centre. Regardless of the notification method, the Control Centre will contact the applicable Area Supervisor and the on-call EH & S Advisor, as well as issue a PMC Incident Notification System (PINS) email. The Area Supervisor will contact the District Manager and they will contact the Director, Operations, who will assume the role of the Incident Director. The Incident Director will assist with evaluating the resources available in the field and fill any gaps with Corporate Head Office responders or complete responsibilities from the EOC. The notification process is outlined in the *1.3.1.3 Notification Flowchart*. All incident and response details must be documented in the *ICS 201* and all personal activities, communications and decisions must be documented in an *ICS 214a*.

Note: Refer to the 'Incident Reporting and Investigation Program' for additional requirements.

1.3.1.2 External Notification

External notifications must happen simultaneously with internal notifications. The following notifications must occur immediately once the incident has been verified.

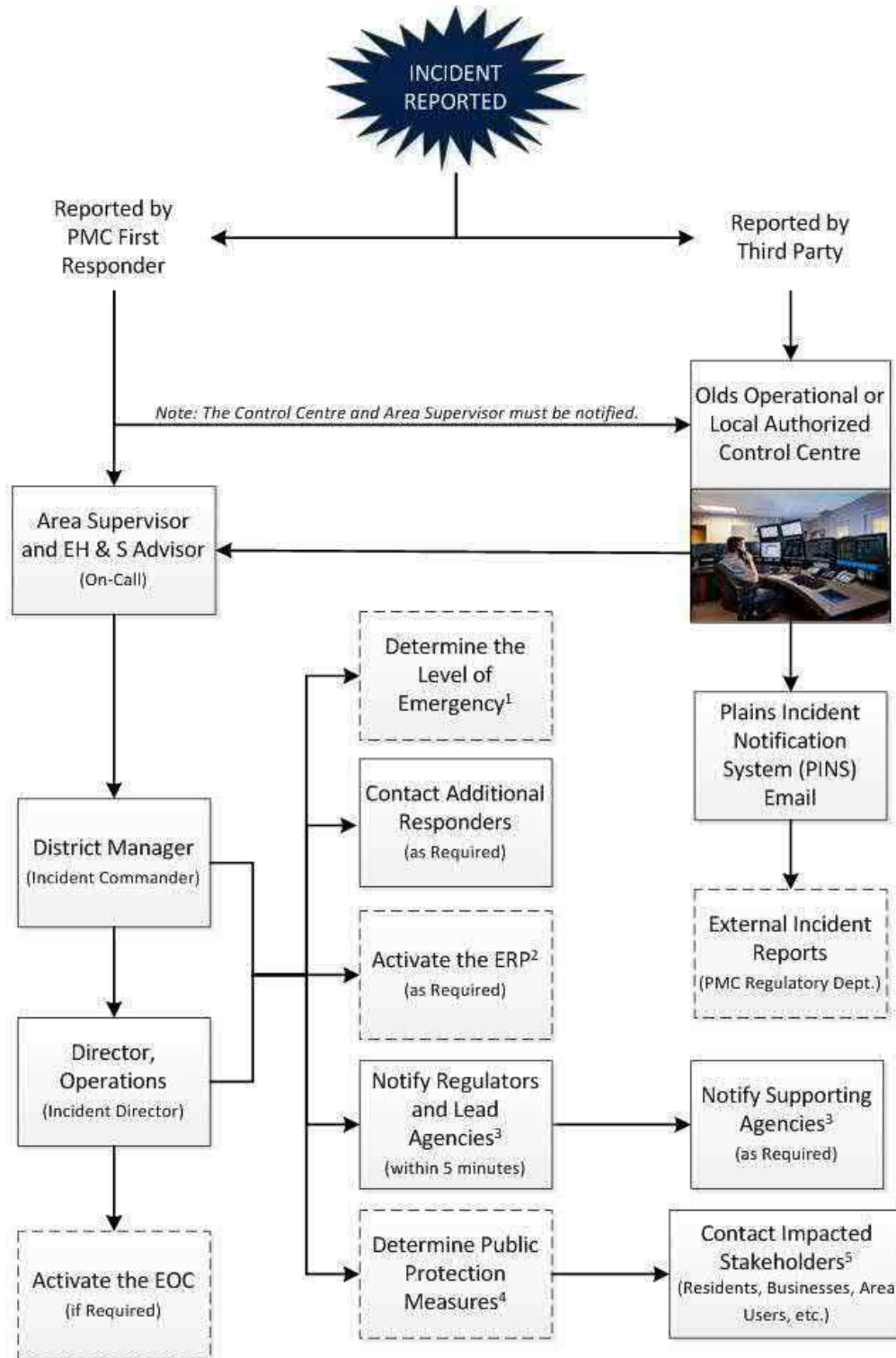
- PMC First Responder notifies 911, if required.
- Incident Commander must ensure the lead regulatory body, local authorities, indigenous communities, mutual aid organizations, and other local companies.
 - This may be delegated to the Liaison Officer, Liaison Manager or Deputy Incident Commander, if established.

Additional notifications to government and supporting agencies must be made once emergency response protocols are activated. These notifications can be made by the Liaison Manager (IST) and/or Liaison Officer (IMT). Refer to *8.3 Government Notification Matrix*. When contacting external agencies, ensure that the following information is recorded:

- Agency contacted, point of contact, date/time of call, and information provided/requested.

Once external agencies (government agencies, first responders, local authorities, indigenous communities, etc.) are notified and engaged, PMC will work with the appropriate lead agencies to determine if Unified Command should and/or will be established.

1.3.1.3 Notification Flowchart



¹Refer to 1.3.4.1 Incident Classification Matrix to determine the level of emergency
²Refer to 1.3.5 Activate the ERP for procedures and considerations.
³Refer to the 8.4 Notification Requirements to determine all agencies and services that need to be contacted.
⁴Refer to 4.8.3 Public Protection Measures Flowchart.
⁵Refer to Respond emergency response mapping and/or Section 9: Site Specific Information to determine the EPZ on an area map and identify pertinent contact information in the sealed confidential envelope.

1.3.2 Initial Actions and Assessment

Initial actions to prevent and/or limit the impact to life safety must immediately be identified and resources deployed. This includes:

- PMC first responders investigate and confirm the incident (if required)
- Initial Incident Commander and Operations Section personnel perform initial response actions
- Evacuate non-critical personnel from the incident area and/or facility (if required)
- Secure the incident area
- Determine, secure, and isolate the EPZ
- Record and begin to establish an Incident Management Team (IMT)

Note: Initial actions and incident details/information can be recorded after immediate impacts to life safety have been addressed.

The incident and associated impacts must initially be assessed. The Incident Commander is responsible for gathering all incident details, but the collection of this information may need to be assigned to additional personnel, such as a Safety Officer, Operations Section Chief, and/or Operations Section personnel.

At the onset of an incident all details and impacts may not be available. Begin collecting and recording incident details. Continually record information as it becomes available and the response progresses.

- Location
- Asset type
- Product type and SDS (if available)
- Estimated volume released
- Impacts to watercourses
- Geographical impacts
- Workers involved and injuries
- Public impacts
- Media attention
- Any other potential consequences

For guidance, refer to *Initial Assessment Checklist* found in the Emergency Response Forms Binder and at the Incident Command Post (ICP) in the Emergency Response Forms Box.

1.3.3 Document Initial Actions

Ensure that all initial response actions and incident details are recorded in the *ICS 201 Incident Briefing Form (ICS 201)*. The *ICS 201* is the key tool to the initial response process that provides guidance for documenting all incident details, actions and response plans. There will be only one *ICS 201* and it will continually be updated throughout the initial response until an Incident Action Plan (IAP) has been prepared for the second operational period and the first operational period is coming to a close. The *ICS 201* outlines:

- Incident details
- Current actions
- Strategies and Tactics to achieve the incident priorities and initial objectives
 - Life safety, incident stabilization and minimize impacts
- Response Organizational Structures (*ICS 207*)
- Resource statuses and assignments

The Incident Commander utilizes the most up to date *ICS 201* to provide any new responders with incident briefings as required.

1.3.4 Level of Emergency

PMC utilizes a standard assessment matrix to classify all emergencies and outline the required notifications and actions. If an incident is classified as an emergency at any level higher than Alert, the ERP must be activated.

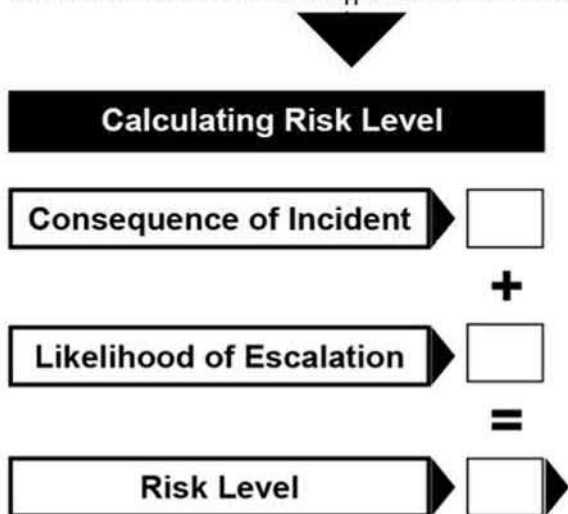
The level of emergency should be discussed with the lead regulatory agency and must be determined in conjunction with the AER (if the incident falls within their jurisdiction). Utilize *1.3.4.1 Incident Classification Matrix* to identify the consequences of the incident and the likelihood of incident escalation to calculate the level of emergency. The level of emergency defines the appropriate incident response actions outlined in *1.3.4.2 Incident Response Classification*. Ensure that all information is recorded in the *ICS 201*.

Once confirmed, the level of emergency must be communicated to the Operational Control Centre (OCC), the Emergency Operations Centre (EOC), the Incident Director and all responders.

1.3.4.1 Incident Classification Matrix

Consequence of Incident		
Rank	Category	Example of consequence in Category
4	Catastrophic	<ul style="list-style-type: none"> • Fatality. • National and international media interest. • Liquid release off lease not contained - potential for, or is, impacting water or sensitive terrain. • Gas release impact extends beyond lease - public health/safety jeopardized.
3	Major	<ul style="list-style-type: none"> • Worker(s) require hospitalization. • Regional and national media interest. • Liquid release extends beyond lease - not contained. • Gas release impact extends beyond lease - public health/safety could be jeopardized.
2	Moderate	<ul style="list-style-type: none"> • First aid treatment required for on-lease worker(s). • Local and possible regional media interest. • Liquid release not contained on lease. • Gas release impact has potential to extend beyond lease.
1	Minor	<ul style="list-style-type: none"> • No worker injuries. • Little or no media interest. • Liquid release contained on lease. • Gas release impact on lease only.

Likelihood of incident escalating*		
*What is the likelihood that the incident will escalate, resulting in an increased exposure to public health, safety, or the environment?		
Rank	Descriptor	Description
4	Almost certain or currently occurring	<ul style="list-style-type: none"> • The incident is uncontrolled and there is little chance that the licensee will be able to bring the hazard under control in the near term. The licensee will require assistance from outside parties to remedy the situation.
3	Likely	<ul style="list-style-type: none"> • Imminent and/or intermittent control of the incident is possible. The licensee has the capability of using internal and/or external resources to manage and bring the hazard under control in the near term.
2	Moderate	<ul style="list-style-type: none"> • Control of the incident may have deteriorated but imminent control of the hazard by the licensee is probable. It is unlikely that the incident will further escalate.
1	Unlikely	<ul style="list-style-type: none"> • The incident is contained or controlled and it is unlikely that the incident will escalate. There is no chance of additional hazards. Ongoing monitoring required



Risk Level	Assessment Result
Very Low 2-3	Alert
Low 4-5	Level - 1 Emergency
Medium 6	Level - 2 Emergency
High 7-8	Level - 3 Emergency

1.3.4.2 Incident Response Classification

Responses	Alert	Level-1 Emergency	Level-2 Emergency	Level-3 Emergency
Communications				
Internal	Discretionary, depending on licensee policy.	Notification of management.	Notification of management.	Notification of management.
External Public	Courtesy, at PMC discretion.	Mandatory for individuals who have requested notification within the Emergency Planning Zone.	Planned and instructive in accordance with the specific ERP.	Planned and instructive in accordance with the specific ERP.
Media	Reactive as required.	Reactive as required.	Proactive media management to local or regional interest.	Proactive media management to national interest.
Government	Reactive as required. Notify the Lead Agency if public or media is contacted.	Notify the Lead Agency. Call local authority if public or media is contacted.	Notify the Lead Agency and local authority.	Notify the Lead Agency and local authority.
Actions				
Internal	On site as required by licensee.	On site as required by licensee. Initial response undertaken in accordance with the site-specific or corporate-level ERP.	Predetermined public safety actions are under way. Incident Support Team alerted and may be appropriately engaged to support on-scene responders	Full implementation of emergency management system.
External	On site as required by licensee.	On site as required by licensee.	Potential for multi-agency (operator, municipal, provincial, or federal) response.	Immediate multi-agency (operator, municipal, provincial, or federal) response.
Resources				
Internal	Immediate and local. No additional personnel required.	Establish which resources would be required.	Limited supplemental resources or personnel required.	Significant incremental resources required.
External	None.	Begin to establish resources that may be required.	Possible assistance from government agencies and external support services as required.	Assistance from government agencies and external support services as required.

1.3.5 Incident Details

As the response continues, incident details must continually be collected. This will assist with the following:

- Determine appropriate response actions
- Define Emergency Planning Zone (EPZ) or Environmental Emergency (E2) Zone
- Define responder safety zones (i.e. Hot/Warm/Cold Zones and Decontamination Corridor)s
- Identify potential impacts, hazards and sensitive areas
 - Weather, public, environment, etc.
- Conduct and document field level hazard assessments
- Release reporting requirements
 - Refer to *PMC Release Reporting Standard Procedure*

Consider the following aspects when collecting incident details. For assistance with documentation, refer to the *Initial Assessment Checklist* found in the Emergency Response Forms Binder and at the Incident Command Post in the Emergency Response Forms Box.

- Collect key information regarding initial incident details
 - Location (E.g. access to services, available personnel, traffic, etc.)
 - EPZ identified in the ERP and impact to the public
 - Area considerations (E.g. forests, highways, hydrology, topography, urban centres, etc.)
 - Weather conditions (E.g. speed/direction of wind, temperature, condensation, etc.)
 - Egress in and out of the incident location and road conditions
- Assess the hazards, and corresponding controls
 - Identify the product, quantity and state that the product(s) are in (Ex. liquid or gas)
 - Refer to the associated Safety Data Sheets (SDS) for additional health and safety hazard information.
<http://www.plainsmidstream.com/page/safety-data-sheets>
 - Determine the fire footprint (Ex. extent of impact, air quality, etc.)
 - Determine the spill foot print (Ex. extent of impact, nearby water bodies, product considerations, etc.)
 - Identify any other hazards that may potentially escalate impacts or impact PMC's ability to control or contain the incident (Ex. electrical, power lines, mechanical, overhead equipment, confined space, ambient temperature, wind direction and speed, etc.)
 - Order/Deploy mobile air monitoring equipment (Ex. LEL, H₂S, SO₂, O₂, benzene, etc.)
 - Responding personnel must utilize their personal monitors for initial readings of LEL, H₂S, CO and O₂
 - Other chemical contaminants (Ex. SO₂, Benzene, etc.) must be measured with specific direct reading instruments
 - Strongly consider deploying mobile air monitoring for any reportable incident
 - Conduct air monitoring and consider the following life safety limits.
 - Combustible gas levels of 10% LEL or greater
 - H₂S levels of 10 ppm or greater over an 8 hour time weighted average
 - H₂S levels of 15 ppm for a 15 minute exposure time limit

- SO₂ levels of 2 ppm or greater over an 8 hour time weighted average
- SO₂ levels of 5 ppm for a 15 minute exposure time limit
- Benzene levels of 0.5 ppm or greater over an 8 hour time weighted average
- Benzene levels of 2.5 ppm for a 15 minute exposure time limit
- O₂ content of less than 19.5% or greater than 23.5%

Note: The above life safety limits are worker exposure limits and not to be used for public protection considerations.

- Assess the current, anticipated, and potential impacts
 - Workers impacted and in the area
 - Worker injuries and/or fatalities
 - Nearby communities and members of the public (Ex. urban centres, indigenous communities, business, infrastructure, private property, etc.)
 - Environment and surrounding area (Ex. hydrology, forests, soil, wildlife, etc.)
 - Other assets (Ex. pipeline systems, facilities storage bullets, etc.)
 - Business continuity (Ex. transportation, 3rd parties, storage, supply of product, etc.)

Note: Refer to the 'Job Hazard Assessment Program' for additional guidance.

All incident details will be collected and organized by the Incident Commander. The collected information will be captured in the ICS 201 and utilized to:

1. Outline the appropriate strategies and tactics to achieve the incident priorities and initial objectives (life safety, incident stabilization and minimize impacts).
2. Determine the level of emergency.
3. Determine if the ERP will be activated.
4. Identify additional resources and response personnel.

1.3.6 Activate Emergency Response Protocols

The ERP will be activated for any level of emergency (1, 2, or 3) and the response will vary based on the complexity of the incident, as outlined in Step 3 (1.3.5 *Incident Details*) of the Incident Response Checklist.

Once it is determined that the ERP will be activated, PMC utilizes the 'Get Big Quick' approach to emergency response. The following actions need to be considered:

- Identify and order resources required (Ordering needs to go through the Logistics Section as soon as it is established)
 - How many responders are required?
 - Are any technical specialists required?
 - What support service companies to need to be contacted?
 - Consider company locations for response times.
 - Ensure a staging area has been identified before deploying equipment.
- 'Get Big Quick' and mobilize personnel, engage support services, order required equipment
- Identify and activate required incident facilities (Ex. ICP, staging area, reception centre, etc.)
- Setup the ICP and/or EOC
 - When activating the EOC specific processes must be followed (1.3.6.2 *EOC Activation and Setup*).
- Establish communications between incident locations, facilities, and responders

- Create and activate an incident specific VEOC/VICP site
 - Create and/or document initial incident documentation (I.e. ICS 201, incident pictures, etc.)
 - Record initial incident details
 - Incident name, level of emergency, and initial situation report
 - Create an incident specific Respond (emergency response mapping system) session
- Identify the applicable ERP and site specific information
- Track response resources (personnel, equipment and services) at each incident facility using *ICS 211p's* and *ICS 211e's*
- Develop a Safety Plan
 - Including applicable Standard Operating Procedures (SOPs), Field Level Hazard Assessments (FLHAs), etc.
- Update applicable ICS documentation (I.e. ICS 201, ICS 207-IMT, ICS 234)
- Prepare to conduct an Incident Briefing
 - Separate incident briefings must be conducted for IMT responders and IST responders.
- Provide a copy of the *ICS 201* to the Incident Director

Note: Some of the above actions may have already been accomplished.

1.3.6.1 ICP Activation and Setup

The Incident Command Post (ICP) must be strategically identified and outside of the EPZ. Consider the pre-identified ICP locations (*Refer to Section 9: Area Specific Information*) before identifying an alternate location. When establishing an ICP the following considerations must be made:

- Large enough to host all potential responders
- Communications and connections readily available (E.g. Internet, power outlets, phone lines, etc.)
- In close proximity to the incident but outside of the hazard area and EPZ, if possible
- Easily accessed by responders and agencies
- Security is able to control access

Refer to *1.3.6.3 ICP Layout* and utilize the following checklist when setting up the ICP:

- Configure the room and organize tables
- Establish a separate breakout room, if available, as the Unified Command / General Staff Meeting Room
- Post wall maps, charts, situation board and Emergency Response Forms Box
 - Publish incident and response details
- Setup network/internet connection
 - Create a PMC Wi-Fi spot, if required
- Access ICS vests, table cones and additional signage
- Prepare (and/or print) the appropriate forms for responders
- Prepare workstations with ICS 214a's and stationary
- Establish a check-in procedure and utilize an ICS 211p to track all personnel
- Lockdown the location and establish security protocol for the ICP and all facilities

1.3.6.2 EOC Activation and Setup

The Emergency Operations Centre (EOC) is pre-established at the Calgary PMC Plaza and will always be available 24/7 in the event of an emergency. Use the following steps to activate the EOC and Incident Support Team (IST) personnel:

1. Contact PMC Emergency Management to provide support for the duration of the response
2. Send an email to *Dist-Grp-Emergency-Calgary EOC* to advise IST responders to be on stand-by and provide a brief incident summary.
 - After hours, have personnel identify if they are available to respond.
3. Determine required IST Roles. Engage and assign available personnel.
4. IST Managers to identify required support roles and advise personnel to be on stand-by
 - Establish Scribe and Documentation Unit roles
 - Contact Communications Unit (Information Services) to support all technology in the EOC and Overflow EOC, if required
5. Coordinate and facilitate an EOC Incident Briefing.
 - In person at the EOC or virtually in the VEOC.

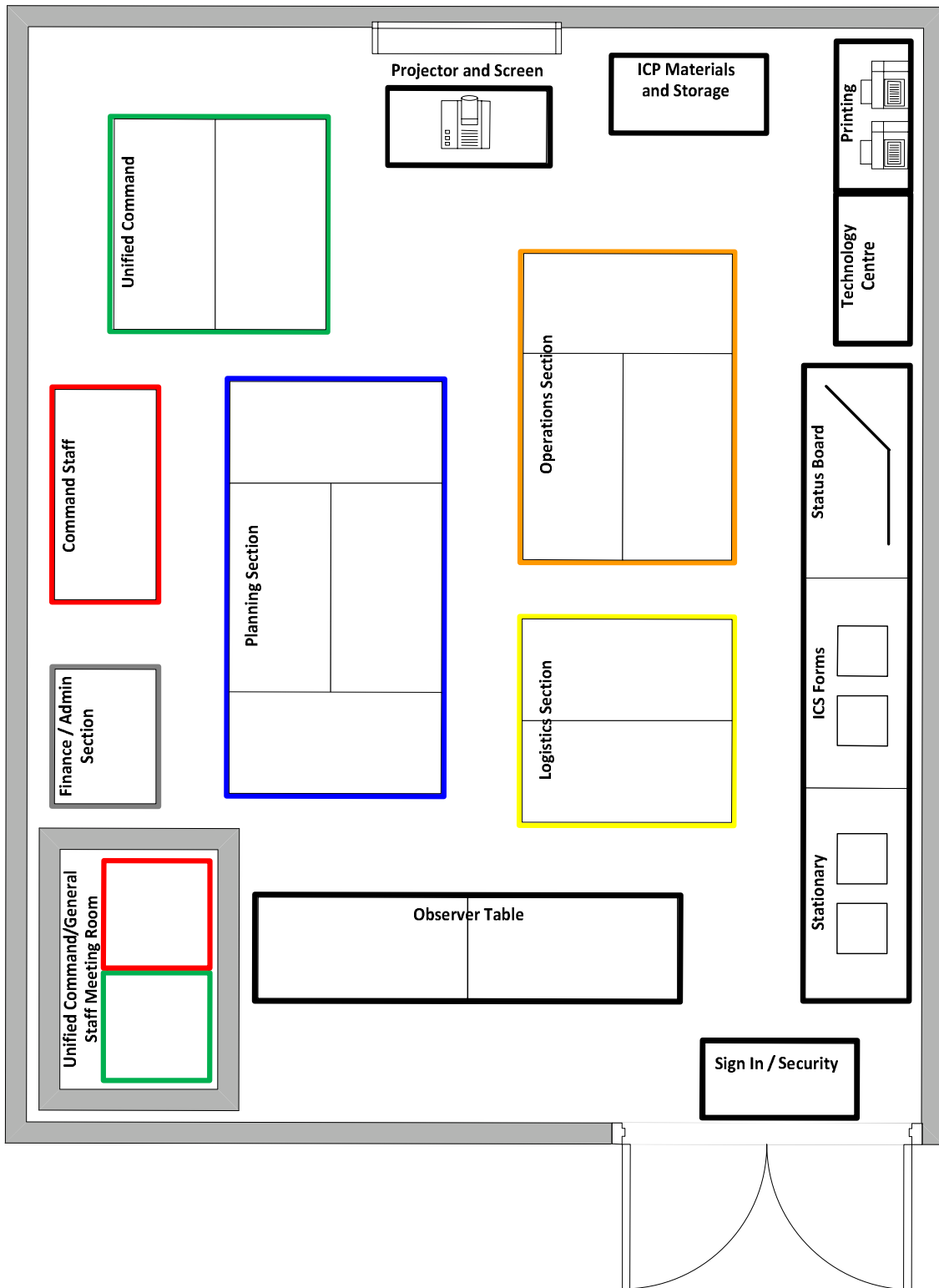
Refer to *IST Organizational Chart/Call Down List* for pre-identified IST personnel and the *EOC/IST Holiday Coverage Schedule* available on EM SharePoint site, if applicable.

Utilize the following checklist when setting up the EOC:

- Post wall maps, charts and situation board
 - Publish incident and response details
- Prepare (and/or print) the appropriate forms for responders
- Prepare workstations with *ICS 214a's* and stationary
- Setup and test EOC technology (E.g. main computer, projector, laptops, Wi-Fi connection, etc.)
- Establish a check-in procedure and utilize an *ICS 211p* to track all personnel
- Establish security protocol for all Corporate IST responders

For additional guidance, refer to PMC Emergency Management and the *EOC Activation Checklist* and *EOC Incident Briefing Agenda* available in the EOC.

1.3.6.3 Incident Command Post (ICP) Layout



NOTE: This layout is an example only. ICPs will be set up according to specific IMT needs and available resources.

1.3.7 Incident Briefing and Next Steps

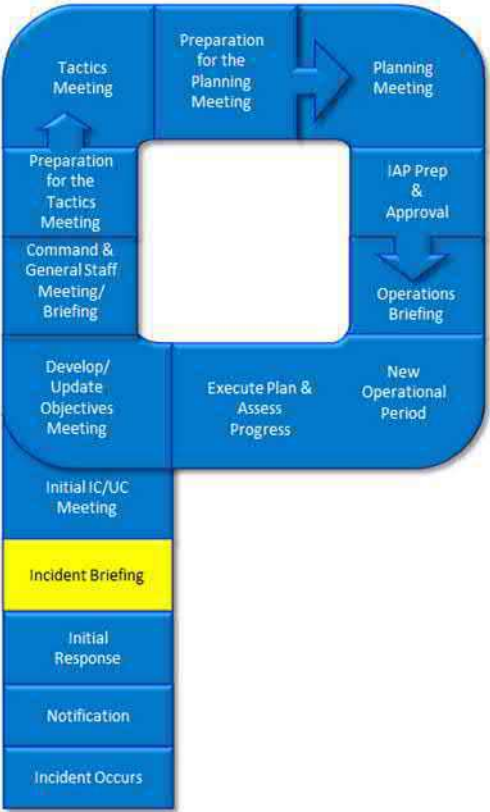
All responders (not exclusive to PMC personnel) must receive an incident and safety briefing. This is accomplished by reviewing the active *ICS 201* and any safety plans including JHA's during the Incident Briefing. During the briefing, responding personnel will receive their roles and responsibilities which include: current actions, task/expectations, reporting requirements and communications. Common responsibilities that will be assigned to personnel are outlined in *1.3.6.2 Response Actions – Next Steps*.

NOTE: Responders that are not present at the Incident Briefing must be briefed independently.

The Incident Briefing also provides the Incident Commander, and Incident Director in the EOC, the opportunity to:

- Identify safety issues and concerns
- Outline initial response actions
- Assign resources to specific strategies/tactics
- Review assigned roles and responsibilities
- Dispatch field personnel

1.3.7.1 Incident Briefing

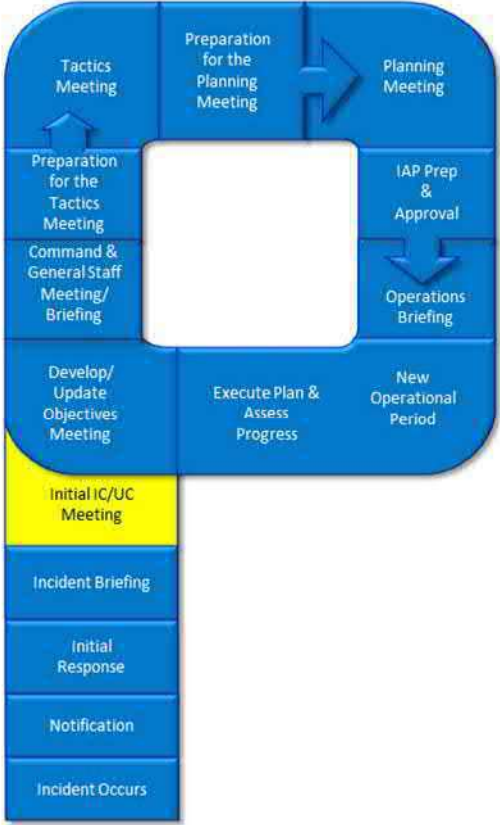
Who is Involved	
The responsible party Incident Commander (or PSC if available) facilitates the meeting, with Command and General Staff attending, as available.	
Tasks	
The Incident Briefing using the <i>ICS 201</i> enables a Transfer of Command, if required, and updates the Unified Command, Command and General staff and incoming responders to current objectives and priorities as well as the current situation. Decisions should be captured on the <i>ICS 201</i> .	
Agenda	
With the aid of <i>ICS 201</i> , the incident Briefing agenda should include:	
<ul style="list-style-type: none"> • Initial objectives and priorities • Current situation (confirmed and contingent) • Current and planned actions • Communications • Current on-scene organization • Resource assignments • Resources en-route and/or ordered • Facilities established • Incident potential 	

1.3.7.2 Response Actions – Next Steps

Additional response actions need to be considered to mitigate all hazards, that are generated from the objectives and strategies outlined within the Incident Briefing. Ensure that the following actions have been addressed, if not already completed.

- Isolate the hazard area and EPZ
 - Establish roadblock locations, search areas and dispatch rovers
 - Identify/dispatch air monitors
- Establish SMART objectives, strategies, and tactics on the *ICS 234*
- Assign roles and responsibilities to accomplish identified strategies and tactics and record all responders on the *ICS 207-IMT*.
- Determine the appropriate public protection measures to ensure public safety (shelter in place, evacuation, ignition, etc.)
- Enact public protection roles and actions (E.g. Roadblocks, Rovers, Notification Group, Air Monitoring, Reception Centre, etc.)
- Contact and advise all impacted residences, businesses and surface developments within the EPZ
 - If the EPZ impacts a city/town boundary or Aboriginal community contact the applicable representative (Ex. Director of Emergency Management) to coordinate public protection measures.
- Notify all other impacted members of the public
 - Industrial operators, trappers, guides and outfitters, grazing leases, public recreation areas, farm use areas, etc.
- Liaison Manager and/or Liaison Officer must address the following:
 - Provide an update to all previously contacted regulators, local authorities, indigenous communities, government agencies, supporting agencies, mutual aid organizations, and other local companies
 - Refer to *Section 8: Government Agencies and Local Authorities*
- Identify any other actions to achieve the incident priorities (life safety, incident stabilization and minimize impacts)
 - A Notification to Airmen (NOTAM), also known as a 'no fly zone', may be issued by the lead regulatory body for Level 2 and 3 emergencies
- Identify and record additional incident objectives and strategies on the *ICS 201*
- Populate the *Situation Status Display Board* with current information.

1.4 Initial Incident Command / Unified Command Meeting

<p>Who is Involved</p>	
<p>When a new Incident Commander is incoming or if additional lead agencies are going to form Unified Command (UC), then an Initial IC/UC Meeting must occur. This meeting is conducted by the Responsible Party Incident Commander or the Planning Section Chief.</p>	
<p>Tasks</p>	
<p>New Unified Command and General staff will review current objectives and priorities within the current situational scope of the incident and the newly created command structure and agree or revise them. The participants must identify jurisdictional boundaries and focus, and establish and agree on response priorities.</p>	
<p>Agenda</p>	
<ul style="list-style-type: none"> • Review the completed <i>ICS 201</i> <ul style="list-style-type: none"> ○ Incident details ○ Current response actions, objectives and strategies ○ Resources engaged and current statuses • Outline PMC organizational chart (IMT and IST) • Identify incident facilities • Confirm the expectations from each UC agency – including roles and responsibilities • Outline areas of responsibility and jurisdiction 	

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SECTION 2: Roles and Responsibilities

2.1 Introduction

The PMC emergency response framework is comprised of response organizations that work in conjunction with one another and are in regular communication.

There are two key teams responsible for either directing or supporting emergency response efforts.

For additional information on PMC response framework and organizations, refer to the PMC IMH.

For additional copies, request through [REDACTED]

Incident Management Team (IMT) is responsible for managing the emergency response and all field level (tactical) emergency response actions. The roles and responsibilities for IMT is located within the PMC IMH.

Incident Support Team (IST) is responsible for supporting the IMT, by managing long term impacts and business continuity.

2.1.1 Transfer of Personnel

As detailed in *0.4.7 Incident Command System*, there are 4 key steps to consider when transferring personnel in any key response role:

1. The outgoing responder should conduct an assessment with the incoming responder.
2. The Incoming responder must be adequately briefed (refer to *ICS 201 Form*)
3. After the incident briefing, the incoming responder should determine an appropriate time for transfer of responsibilities (under direction from the Incident Commander)
4. At the appropriate time, notice of a change should be made to all applicable responders.

NOTE: Refer to 2.5 Transfer of Personnel and 2.6 Transfer of Command for checklists.

2.1.2 Demobilization / Post-Incident Procedures

There are five major activities involved with demobilization. These are primarily coordinated by the Incident Commander and IMT. The IST will be responsible for any corporate, government, and media, as well as the overall evaluation of the emergency response.

Demobilization activities include:

1. Emergency stand down notifications
2. Assist the public
3. Site cleanup and/or repairs
4. Debriefs, Investigation and reports
5. Incident records management

Emergency Stand Down Notification

- The Incident Commander, in consultation with the Incident Director, the lead regulatory agencies, the appropriate Local and Provincial Disaster Service Authorities, and Health Authority, will be responsible for the downgrading of a Level 2 or 3 emergency and/or ordering a “Return to Normal” status.
- All IMT and IST members, including contract personnel and emergency services must be notified.
- All previous contacts including public, government and industrial operators must also be notified.
- Ensure a media statement is prepared and engaged media are contacted, as applicable.
- Debriefings with other engaged and/or supporting personnel (Ex. insurance, legal, human resources, etc.) should be conducted.
- Document all “Return to Normal” activities.

Assist the Public

- Prior to the “Return to Normal” signal, ensure that all evacuated areas are safe to re-enter.
- Ensure evacuees are promptly notified and assistance in returning to their homes is provided.
- Maintain security until all residents have returned to their homes.
- Ensure resident expense/damage claims are promptly collected and processed.
- Arrange to communicate with the resident further to answer questions and address concerns.
- Document assistance activities.

Site Cleanup and/or Repairs

- If serious injury or death has occurred, the scene must be left undisturbed.
- Secure the incident site for any ongoing investigation.
- Once the investigation has been completed and authorization by RCMP (or applicable authority) has been given to re-enter the area, begin clean-up activities.
- If an investigation is NOT imminent, prioritize cleanup activities and restore the site to normal operating condition utilizing all available staff and resources.
- Conduct any safety or environmental inspections.
- Document all cleanup activities.

Debriefing, Investigation and Reports

- Analyze and review all documentation and physical evidence to establish probable cause of incident. Depending on the complexity of the incident, an investigation team
- Review effectiveness of response procedures including, safety standards utilized, media and public relations actions and environmental control measures. Identify the strengths and areas that require improvement.
- Evaluate effectiveness of internal and external communications systems and notification call-down efforts.
- Identify the legal and environmental consequences resulting from the incident or response.
- Estimate current and future expenses.
- As applicable, prepare a corporate report recommending incident prevention measures, improvements to emergency response procedures and required company policy changes.
- Ensure all employees, contractors, and members of government and community agencies are recognized for their efforts.

Incident Records Management

- Collect all documentation from all field, contract services and responders.
- Photograph, video as much information as possible.
- Ensure all statements, time and event logs, forms etc. are indexed and stored for five years (or applicable retention period).

Incident Management Team (IMT)

2.2 IMT Organization

The PMC emergency response framework is comprised of response organizations that work in conjunction with one another and are in regular communication. The Incident Management Team (IMT) is based in the field at the Incident Command Post (ICP).

- Responsible for managing the emergency response and all field level (tactical) emergency response actions.
- Managed by the Incident Commander and at least initially comprised of local and nearby area personnel. Other company personnel who are trained to respond may take IMT roles as well as external agencies/company personnel as required.
- Deputy Incident Commander must be established communicates and report to the Incident Director (IST) at the EOC.

The IMT is built as best fits the demands of the incident. It is the responsibility of the Command and General Staff to build an IMT that is needed to effectively address the objectives and priorities established for responding to the incident. IMT leadership is comprised of:

- **Command Staff:** Incident Commander, Deputy Incident Commander, Safety Officer, Liaison Officer, Public Information Officer and Legal Officer.
- **General Staff:** Operations, Planning, Logistics and Finance/Administration Section Chiefs.

All field response roles, or tactical resources, are assigned to the **Operations Section** and the most hazardous activities are carried out there. Because of this, it is necessary to carefully monitor the functions and resources within this section to manage span of control.

The following supervisory levels can be added to help manage span of control and the Operations Section:

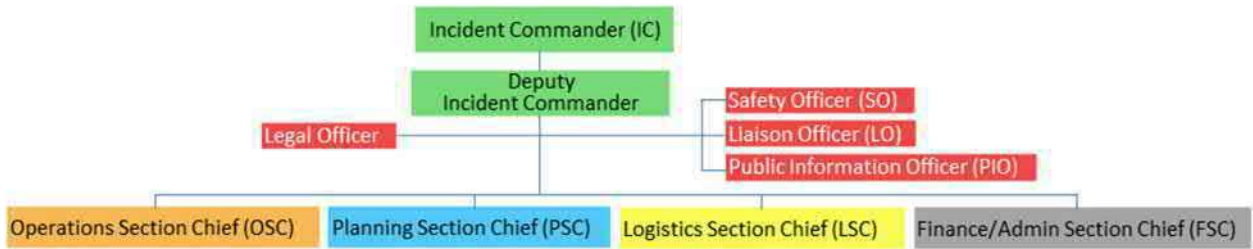
- Divisions are used to divide an incident geographically.
- Groups are used to divide functional areas of operation.
- Branches are used when the number of Divisions or Groups extends the span of control and can be either geographical or functional. Within Branches:
 - Unit – That organization element having functional responsibility for incident, logistics, or finance/administration activity.
 - Task Force – A group of unlike single resources assigned to complete certain tactical assignments.
 - Strike Team – Similar to a Task Force but comprised of the same kind and type of resources to complete tactical assignments.

Within the Operations Section, roles are titled and determined based on function. Suggestions for additional roles can be found in the Field Operator's Guide, Emergency Operations Centre and/or in the following Organizational Charts. These roles include, but are not limited to:

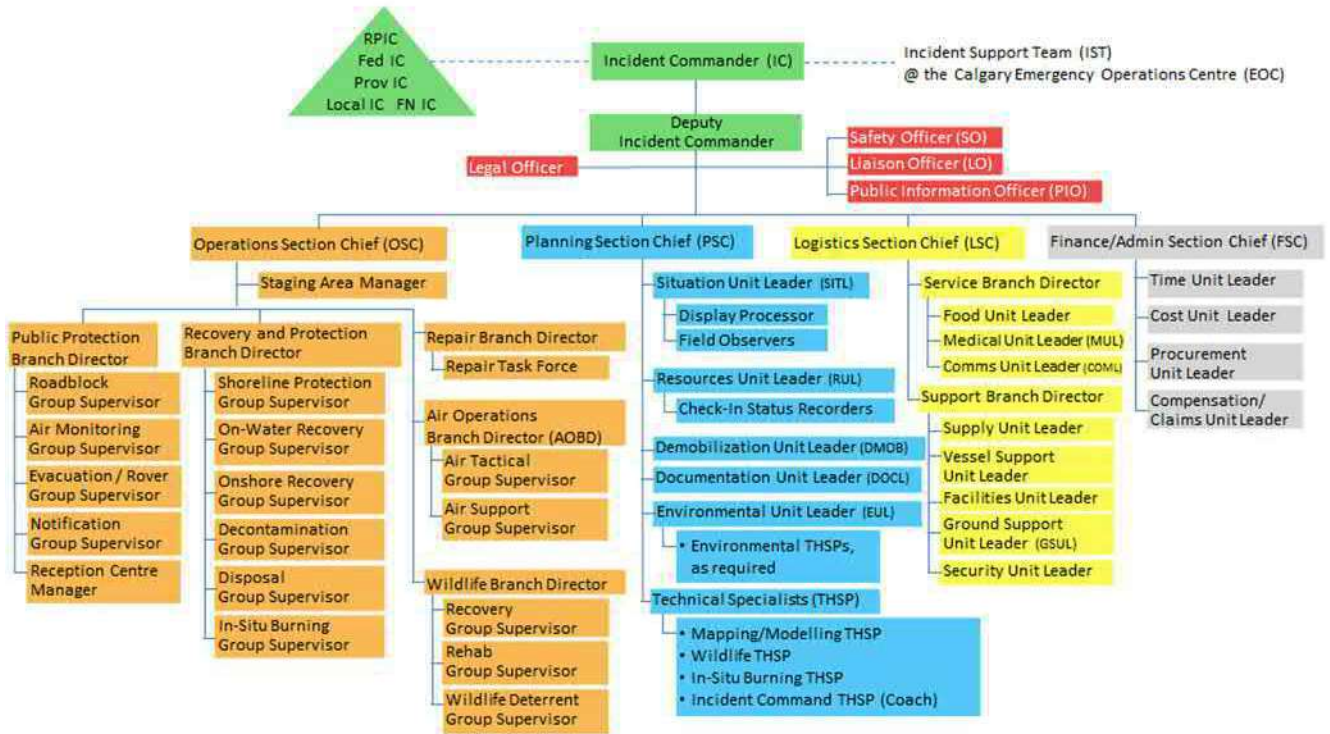
- Recovery and Protection, Repair, Air Operations, and Wildlife.

For more information on specific IMT roles, refer to the PMC IMH.

2.2.1 Command and General Staff Organizational Structure



2.2.2 IMT Organizational Structure



NOTE: All of the roles **do not** need to be filled. The organization should be customized for each incident, based on the complexities of the incident and the objectives established for the operational period.

Incident Support Team (IST)

2.3 IST Organization

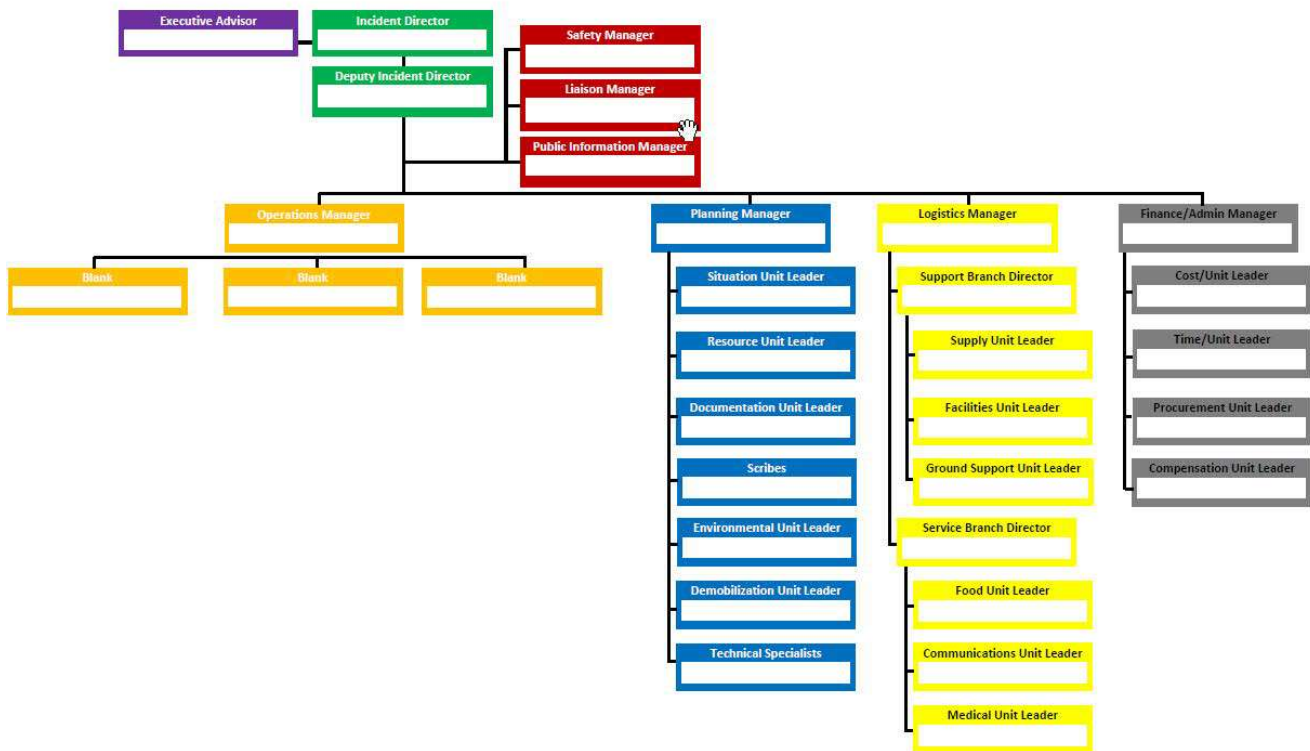
The PMC emergency response framework is comprised of response organizations that work in conjunction with one another and are in regular communication. The Incident Support Team (IST) is based in Calgary at the Emergency Operations Centre (EOC). The IST is managed by the Incident Director and comprised of Calgary Corporate personnel. Key Responsibilities include:

- Supporting the IMT, by managing long term impacts and business continuity.
- Executive Advisor communicates and reports to the Crisis Management Team at the PMC Head Office.

IST leadership is comprised of:

- **IST Command Staff:** Incident Director, Deputy Incident Director, Safety Manager, Liaison Manager and Public Information Manager.
- **IST General Staff:** Operations, Planning, Logistics and Finance/Administration Managers.

2.3.1 IST Organizational Chart



NOTE: This is a sample only and an Organizational Chart will be customized for each incident.

2.4 Executive Advisor

Role Description		
Provide support to the Incident Director as required. Update President.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • PMC President • PMC Executives • PMC All American Pipeline (PAA) 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Executive Support Tasks
<input type="checkbox"/>	Provide direction, policy and authority to the Incident Director.
<input type="checkbox"/>	Ensure all appropriate notifications have been made to PMC Executives and PAA.
<input type="checkbox"/>	Keep PMC President and Executives informed of status of incident.
<input type="checkbox"/>	Make recommendations to the Incident Director regarding requests for non-PMC owned response resources.
<input type="checkbox"/>	Notify and provide status updates to PAA, as required.
<input type="checkbox"/>	Evaluate/manage potential impacts and threats to other business units.
<input type="checkbox"/>	As required, approve AFEs/Purchase Orders.
<input type="checkbox"/>	Lead overall media position/statements.
<input type="checkbox"/>	Approve execution of Business Continuity Plan.
<input type="checkbox"/>	Maintain ICS 214a.

2.5 Incident Director

Role Description		
<p>The Incident Director is responsible for the management of the Incident Support Team (IST). The IST is developed to support an emergency response by helping the Incident Management Team and Corporate Calgary. This role is responsible for developing an appropriate IST with roles necessary to support the response. In the event that the IST support roles are not established, the Incident Director is responsible for all tasks.</p>		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Responsible for the Incident Support Team (IST) Manager Staff Supports the Incident Commander and/or Deputy Incident Commander Reports to Executive Advisor 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Incident Director Tasks
<input type="checkbox"/>	Throughout response, reiterate that personnel safety is the highest priority.
<input type="checkbox"/>	Receive briefing from Incident Commander including level of emergency. If level has not yet been calculated, support the IC in making the calculation using the Incident Classification Matrix. <i>NOTE: the Incident Classification Matrix can be found in Section 1 of any ERP in hard or soft copy and is also in poster form on the wall of the EOC. Emergency Levels to be declared to the regulators include Alert, Level 1, Level 2 and Level 3.</i>
<input type="checkbox"/>	Calculate and communicate the risk to PMC as a business using the Operations Risk Management Matrix (5x5 risk matrix).
<input type="checkbox"/>	Determine if activation of the Emergency Operations Centre (EOC) is required (consult Incident Commander and/or Executive).
<input type="checkbox"/>	Assemble Emergency Operations Centre (EOC) participants via the group folder in Outlook: Dist-Grp-Emergency-Calgary Emergency Operations Centre (EOC). <ul style="list-style-type: none"> E-mail should specify if IST is on Standby, Activated or Stand-down only, no other terms are to be used.
<input type="checkbox"/>	Prepare the check-in sheet (ICS 211p) for personnel arriving and ensure all participants sign-in. <ul style="list-style-type: none"> May delegate this responsibility if someone else is available Remind key roles (“Managers” such as the Safety Manager) are to don appropriate vests
<input type="checkbox"/>	Appoint a scribe and Deputy. Ensure Emergency Operations Centre (EOC) is adequately staffed by activating core Incident Support Team (IST) positions. <ul style="list-style-type: none"> Engage PMC Commercial (Non-Operations) to determine if there are business impacts and establish a team as necessary. <p>Consider if Security is required for the incident response by the IMT, IST or field responders and engage PMC corporate Security.</p>

☑	Incident Director Tasks
☐	Ask the ICS Coach if the EOC is ready for a briefing. <ul style="list-style-type: none"> • Coach must answer yes before briefing the IST is to begin
☐	EOC Briefings: Provide the IST with an incident briefing and establish a meeting schedule/frequency. <ul style="list-style-type: none"> • Use the Briefing Agenda to conduct briefings
☐	Assign/delegate tasks to the IST as required
☐	Define communications protocols including between the IST and the IMT
☐	IC/ID Briefings: Direct IST to write any questions they have for the IMT on the white board in preparation for the IC/ID briefing <ul style="list-style-type: none"> • Remind IST that room is to be quiet during the IC/ID briefing
☐	Conduct update briefings (teleconference) with the Incident Commander (IC) as and when determined in consultation with the IC.
☐	In consultation with the Incident Commander, determine which Calgary-based personnel should be immediately deployed to the site to assume key IMT roles and responsibilities. These may include for example: <ul style="list-style-type: none"> • Liaison Officer based on likelihood of on-site regulatory representation. • Public Information Officer based on likelihood of and media presence. • Environmental Unit Leader based on environmental receptors and the need for oversight of an Environmental Plan. • ICS Technical Specialist (Coach) is deployed based on the training and capabilities of the IMT.
☐	Establish a work shift and ensure replacement personnel are available and prepared. This task may be delegated to the Logistics Manager.
☐	Review the Incident Commander checklist in preparation for assisting them.
☐	Keep PMC senior management informed of the incident status. (The Executive are part of the email distribution, but an individual update to the appropriate Executive will prepare them for telephone notification to the President).
☐	Discuss with Executive the approval for non-PMC owned response resources, allocation of critical resources, and authorization for demobilization of resources.
☐	Support the completion of source control and response operations safely and effectively.
☐	Review and approve press releases and statements in consultation with the IC and legal.
☐	Review and comment on Incident Action Plans (IAPs).
☐	Monitor action lists, assign delegate to ensure each item is closed.
☐	Maintain ICS 214a and ensure your forms are filled in completely including the Incident Name, Operational Period, Name, etc.

2.6 Safety Manager

Role Description		
<p>Assist the Safety Officer position of the IMT with developing and recommending measures for ensuring personnel safety, and assessing and/or anticipating hazardous situations. The Safety Manager/Safety Officer has four core responsibilities:</p> <ol style="list-style-type: none"> 1. Recognize potentially hazardous situations 2. Inform personnel of hazards 3. Ensure that special precautions are taken when extraordinary hazards exist 4. Ensure that adequate rest is provided to all personnel 		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • Incident Director • Safety Manager Assistants • Safety Officer 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Safety Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Provide support to the Safety Officer to ensure site safety is maintained.
<input type="checkbox"/>	Review the Safety Officer checklist in preparation for assisting with any item.
<input type="checkbox"/>	Assist with the Safety Plan if necessary.
<input type="checkbox"/>	Assemble technical safety information, such as gathering the appropriate Material Safety Data Sheet (MSDS), and inquire as to the last product sample so that safety procedures can be tailored.
<input type="checkbox"/>	Provide status report to the Incident Director.
<input type="checkbox"/>	Maintain ICS 214a.

2.7 Assistant Safety Manager

Role Description		
Assist the Safety Manager with ensuring the safety, welfare and accountability of incident personnel. Provide Human Resource consideration to both the IST and IMT.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Safety Manager Incident Director 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Assistant Safety Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Consider employee safety for the Emergency Operations Centre (EOC) staff [Incident Support Team (IST)].
<input type="checkbox"/>	Work with the Public Information Manager to ensure the employee safety communications are timely and effective.
<input type="checkbox"/>	Request all required resources (equipment, supplies and personnel).
<input type="checkbox"/>	Provide status report to the Safety Manager or Incident Director.
<input type="checkbox"/>	Consider Critical Incident Stress Debriefing services.
<input type="checkbox"/>	Maintain ICS 214a.

2.8 Liaison Manager

Role Description		
Assist the Liaison Officer position of the IMT including point of contact for the assisting and cooperating agency representatives and stakeholder groups.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Incident Director Liaison Manager Assistants Liaison Officer 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Liaison Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Support the Liaison Officer to ensure contact with the government and regulatory bodies are maintained throughout the emergency.
<input type="checkbox"/>	Review the Liaison Officer checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies, and personnel) are available.
<input type="checkbox"/>	Schedule and manage VIP visits
<input type="checkbox"/>	Determine outreach efforts (e.g., community meetings)
<input type="checkbox"/>	Ensure contact with the government agencies and regulatory bodies are maintained throughout the emergency.
<input type="checkbox"/>	Participate in planning meetings; provide current resource status information, including limitations and capabilities of assisting agency resources.
<input type="checkbox"/>	Provide status report to the Incident Director.
<input type="checkbox"/>	Maintain ICS 214a.

2.9 Assistant Liaison Manager

Role Description		
Assist the Liaison Manager.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Liaison Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Assistant Liaison Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Work with the Liaison Manger to ensure contact is maintained throughout the emergency.
<input type="checkbox"/>	Notify joint venture partners and other parties, as directed by the Incident Director.
<input type="checkbox"/>	Notify suppliers of potential transportation stoppage with official notices. Receive approval from the Incident Director.
<input type="checkbox"/>	Provide status report to the Incident Director.
<input type="checkbox"/>	Maintain ICS 214a.

2.10 Public Information Manager

Role Description		
<p>Assist the Public Information Officer position of the IMT.</p> <p>The Public Information Manager, a member of the Command Staff reporting to the Incident Director, is responsible for developing a crisis communications strategy and overseeing its implementation. This begins with the development of key messages and then ensuring key stakeholders such as the news media, public, community and employees receive timely updates. The Public Information Manager leads the Crisis Communications Team or may delegate to the Assistant Public Information Manager. Refer to the Crisis Communications Manual to support this role.</p>		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Incident Director Public Information Manager Assistants Public Information Officer 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Public Information Manager Tasks
<input type="checkbox"/>	Check-in with the Incident Director at the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Participate in the first incident briefing at the Emergency Operations Centre (EOC), collect information for the initial Incident Fact Sheet. See Crisis Communication Plan for templates.
<input type="checkbox"/>	Refer to the Plains Crisis Communications Manual – To request the manual email [REDACTED]
<input type="checkbox"/>	Review the Public Information Officer checklist in preparation for assisting with any item.
<input type="checkbox"/>	Determine the crisis (communications) severity level.
<input type="checkbox"/>	<p>Activate Crisis Communications Team members, brief them on the incident and assign roles. Refer to Crisis Communications Plan for Team Contact Information.</p> <ul style="list-style-type: none"> Mobilize resources according to the crisis communications severity level. If necessary, delegate activation and management of the Crisis Communications Team. Notify the PAA communications team of the incident, but only after the PAA Executive Team has been notified by the PMC Executive Team.
<input type="checkbox"/>	<p>Begin drafting the holding statement or delegate. Refer to Crisis Communications Plan:</p> <ul style="list-style-type: none"> Use the Media Holding Statement Template. Seek appropriate approvals. Provide the initial holding statement to all PMC Executives as directed by the Incident Director prior to public release. Release initial holding statement when approved.
<input type="checkbox"/>	<p>Begin developing a Crisis Communications Plan for the incident.</p> <ul style="list-style-type: none"> Perform a detailed analysis of all potentially impacted stakeholders and provide information to the Incident Director as appropriate.

☑	Public Information Manager Tasks
	<ul style="list-style-type: none"> • Develop initial crisis communications objectives/strategies/tactics.
☐	<p>Determine the need to dispatch Calgary personnel to the incident site to assume the Public Information Officer role.</p> <ul style="list-style-type: none"> • Discuss with the Incident Director. • Assign members of the Crisis Communications Team as approved. • Arrange an appropriate schedule for regular updates once the team member has reached the field location. On-going communication between the Public Information Manager and Public Information Officer is essential.
☐	<p>Identify and assign the appropriate spokesperson.</p> <ul style="list-style-type: none"> • Be prepared to act as Speaker Support Specialist. • Brief the Public Information Officer and assign Speaker Support Specialist duties.
☐	<p>Begin developing key messages.</p>
☐	<p>Act as the single point of contact with the PAA Communications Team for all communications material approvals. Consider Communications Tactics Approvals.</p>
☐	<p>Discuss all matters regarding investor relations with PAA communications and coordinate a strategy.</p> <ul style="list-style-type: none"> • Brief team members as they arrive and assign work as required.
☐	<p>Obtain approval from the Incident Director and implement the communications strategy.</p> <ul style="list-style-type: none"> • If authorized, activate the dark site. This can be delegated. • Assign a Website Specialist to manage the dark site and advise the Public Information Manager to provide guidance on language and content development for the site. • Ensure all dark site content is approved before publishing.
☐	<p>Find out which regulators the Liaison Officer has notified and assess the need to contact the communications staff at those regulators. Ensure regulator staff receives the attention and support they require.</p>
☐	<p>Ensure the Public Information Manager contacts Human Resources to discuss employee communications as outlined in the communications strategy.</p> <ul style="list-style-type: none"> • Employee communications is the responsibility of Public Information Manager except in situations involving a serious injury or fatality. Next of Kin communication is the responsibility of Human Resources.
☐	<p>Direct the Public Information Manager Content Production to use the approved key messages to develop the required communications materials (e.g. script for community, press release, employee email, board email, dark site content, etc.). If required, instruct the Public Information Manager Content Production to work with the appropriate PMC subject matter experts.</p>
☐	<p>Verify the facts used in all communications materials with the Incident Director.</p>
☐	<p>Facilitate the timely approval of all communications materials.</p>
☐	<p>Delegate the distribution of approved materials.</p>
☐	<p>Maintain ICS 214a.</p>

☑	Information Released at the Onset of and During an Incident
☐	<p>At the onset of an incident, evacuated or Sheltered-In-Place persons must be informed of the:</p> <ul style="list-style-type: none"> • Incident type, status, current and future actions to respond to incident. • Incident location and proximity of the incident to people in the area. • Public protection measures to follow along with instructions for evacuation and Sheltering-In-Place (and any necessary information to protect themselves). • Anticipated incident duration. • Contact name, number, and website for additional information.
☐	<p>During the incident, evacuated or sheltered-in-place persons must be informed of the:</p> <ul style="list-style-type: none"> • Product description and the possible short and long-term effects. • Possible incident effects to persons in the area. • Incident impact area. • Recommended actions for persons experiencing adverse effects.
☐	<p>During an incident the general public must be informed of the:</p> <ul style="list-style-type: none"> • Incident type, status, current and future actions to respond to incident. • Incident location and proximity of incident to people in the area. • Incident impact area. • Product description. • Anticipated incident duration. • Public protection measures to follow, evacuation instructions, and any other public information to consider. • Contact name, number and website for additional information.

2.11 Legal Manager

Role Description		
<p>In support of the Legal Officer or where one isn't assigned, the Legal Manager is responsible for providing advice and direction on all matters that may have a legal impact on PMC or the response operation. This may include legal matters such as related to the response, risk management, liability exposures and prevention of them, claims, contracts, insurance, information releases, and documentation retention.</p>		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • Reports to the Incident Director • Communicates directly with Liaison Manager/Officer and Public Information Manager/Officer 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Legal Manager Tasks
<input type="checkbox"/>	Review common responsibilities. Coordinate responsibilities in support and with Legal officer.
<input type="checkbox"/>	Develop team as needed. For example, may require Human Resources (HR) or other legal Assistants.
<input type="checkbox"/>	<p>Activate HR as needed to provide support where human issues have been created by the emergency including the following:</p> <ul style="list-style-type: none"> • Employee injury/fatality: notifications, employee and family support • Engaging and communicating with Unions • Supporting response team in management of volunteers • Providing communications to company employees on the emergency response • Providing crisis/grief counselling and critical incident stress debriefing where needed • Assisting with drug and alcohol issues <p><i>NOTE: please refer to existing company policies and procedures as appropriate.</i></p>
<input type="checkbox"/>	Support Liaison Manager or Officer in determination of what, if any courtesy notifications are to be made to any agency (ex. cooperating and supporting agencies, local authorities)
<input type="checkbox"/>	Provide advice and direction to the Incident Director on all legal matters related to the response operations. This may include risk identification and mitigation measures to be taken.
<input type="checkbox"/>	Establish documentation guidelines including what type of information needs to be documented and provide advice regarding document storage.
<input type="checkbox"/>	Assist Documentation Unit and Claims Unit with legal issues.
<input type="checkbox"/>	Review any public information/messages, press releases, contracts, and other matters such as responder communication protocols.
<input type="checkbox"/>	Participate in appropriate briefings as requested.
<input type="checkbox"/>	Participate in incident investigations and damage assessments.
<input type="checkbox"/>	Plan for relief personnel for the Legal Manager team
<input type="checkbox"/>	Brief relieving staff upon arrival
<input type="checkbox"/>	Maintain ICS 214a.

2.12 Operations Manager

Role Description		
<p>Provide assistance to the tactical (field) portion of the emergency response as needed. This role reports directly to the Incident Director but may, if approved, communicate directly with the Operations Section Chief. This role works closely with Safety, Public Information, Planning and Logistics roles. This role may be required to develop tactical plans for field implementation.</p>		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • Reports to the Incident Director • Communicates with Engineering • Communicates with Operations Section Chief (OSC) 	Emergency Operations Centre (EOC)	ICS 214a ICS 204 (Assignment List) ICS 220 (Air Operations) Resident Notification (ERP form) Roadblock (ERP form) Resident Registration (ERP form) Air Monitoring (ERP)

<input checked="" type="checkbox"/>	Operations Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Establish a team as needed i.e. public protection, containment and recovery, etc.
<input type="checkbox"/>	Establish communications protocols between you and the OSC and for your team.
<input type="checkbox"/>	Obtain directions on where to save materials produced by team (filing system) from Planning, if not already provided.
<input type="checkbox"/>	Review the Operations Section Chief checklist in preparation for assisting with any item.
<input type="checkbox"/>	Support the Operations Section Chief with execution of tactical strategies, where required. May include for example: <ul style="list-style-type: none"> • Aerial overflights • Waste management (Disposal) • Public notifications
<input type="checkbox"/>	Support the response by developing tactical plans and ICS 204s as requested. May include for example: <ul style="list-style-type: none"> • Containment and recovery plan • Air monitoring plan (in conjunction with Safety) • Aerial overflight plan • Pipeline/facility repair plan • Decontamination plan • Resource/equipment plan
<input type="checkbox"/>	Ensure all required resources (equipment, supplies, and personnel) are available.
<input type="checkbox"/>	Review each checklist of direct reports to ensure that all actions are completed.
<input type="checkbox"/>	Provide status report to the Incident Director.
<input type="checkbox"/>	Plan for role continuity by establishing a work shift and replacement plan. Ensure this is done for your role and the Operations team.
<input type="checkbox"/>	Maintain ICS 214a.

2.13 Planning Manager

Role Description		
Assist the Planning Section Chief position of the IMT.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • Reports to the Incident Director • Communicates with Planning Section Chief • Communicates with Safety, Operations and Logistics Managers 	Emergency Operations Centre (EOC)	ICS 204s ICS 207 (IST Org Chart) ICS 209 (Incident Status) ICS 211p and e (Check-in for EOC) ICS 214a (Individual Log) ICS 215 (Operational Planning Worksheet) ICS 230 (Daily Meeting Schedule) ICS 232 (Resources at Risk) ICS 233 (Incident Open Tracker) ICS 234 (Work Analysis Matrix)

<input checked="" type="checkbox"/>	Planning Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Establish a team which may include Situation, Resources, Environment, Documentation, Technical Specialists, etc.
<input type="checkbox"/>	Support the Incident Director (IST) and Planning Section Chief (IMT) by encouraging structure and process throughout the emergency.
<input type="checkbox"/>	Review the Planning Section Chief checklist in preparation for assisting with any item.
<input type="checkbox"/>	Conduct, organize and receive Emergency Operations Centre (EOC) briefing and situation reports and ensure Incident Director is informed.
<input type="checkbox"/>	Provide situation reports, maintain records and reports.
<input type="checkbox"/>	Provide Intel updates. May include for example: <ul style="list-style-type: none"> • Draindown volumes • Trajectory and fates models
<input type="checkbox"/>	Develop and facilitate the development of plans as needed. May include for example: <ul style="list-style-type: none"> • Wildlife hazing plan • Repair plan
<input type="checkbox"/>	Review each checklist of direct reports to ensure that all actions are completed.
<input type="checkbox"/>	Confirm that each direct report has reviewed checklists of their direct reports for completion.
<input type="checkbox"/>	Performs additional tasks or duties as assigned.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies, and personnel) are available.
<input type="checkbox"/>	Ensure continuity of role by establishing shifts and replacement personnel.
<input type="checkbox"/>	Provide status report to the Incident Director.
<input type="checkbox"/>	Maintain ICS 214a.

2.14 Situation Unit

Role Description		
Situation Unit is responsible for supporting the Situation Unit Leader by collecting and evaluating intelligence about possible future status of response operations.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Situation Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager.
<input type="checkbox"/>	Support the Situation Unit Leader.
<input type="checkbox"/>	Review the Situation Unit Leader checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure that the Incident Status Boards at the Emergency Operations Centre (EOC) and Incident Command Post (ICP) are identical.
<input type="checkbox"/>	Provide situation reports, maintain records and reports.
<input type="checkbox"/>	Performs additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain a log of activities/decisions ICS 214a.

2.15 Resources Unit

Role Description		
Resources Unit is responsible for maintaining the status of all Emergency Operations Centre (EOC) resources.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Resources Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager.
<input type="checkbox"/>	Assist Situation Unit with maintaining the Incident Status Display (ISD) (organization chart, resource allocation and deployment sections).
<input type="checkbox"/>	Provide resource reports, maintain records and reports.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.16 Environment Unit

Role Description		
Environment Unit is responsible for supporting the Environment Unit Leader.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Environment Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager.
<input type="checkbox"/>	Support the Environment Unit Leader.
<input type="checkbox"/>	Review the Environment Unit Leader checklist in preparation for assisting with any item.
<input type="checkbox"/>	Assist with the creation of the Environment, Wildlife and Sampling Plans.
<input type="checkbox"/>	Assist with identifying required permits, consultations or other authorizations.
<input type="checkbox"/>	Assist with guiding local environmental consultants, as necessary.
<input type="checkbox"/>	Provide situation reports, maintain records and reports.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.17 Documentation Unit

Role Description		
Documentation Unit is responsible for maintaining accurate, up-to-date Emergency Operations Centre (EOC) incident files.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Documentation Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager.
<input type="checkbox"/>	Assist Situation Unit with maintaining the Incident Status Display (ISD) (organization chart, resource allocation and deployment sections).
<input type="checkbox"/>	Establish and organize incident files.
<input type="checkbox"/>	Support the Documentation Unit Leader.
<input type="checkbox"/>	Review the Documentation Unit Leader checklist in preparation for assisting with any item.
<input type="checkbox"/>	Coordinate with Situation Unit to ensure accuracy and security of intelligence portrayed on the Incident Status Display (ISD).
<input type="checkbox"/>	Performs additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.18 Modeling Unit

Role Description		
Modeling Unit is responsible for supporting the Modeling Technical Specialist on the IMT.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Modeling Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager.
<input type="checkbox"/>	Support the Modeling Technical Specialist.
<input type="checkbox"/>	Review the Modeling Technical Specialist Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Assist with guiding trajectory modeling consultants, as necessary.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.19 ICS Technical Specialist (Coach)

Role Description		
ICS Technical Specialist is responsible for encouraging Emergency Operations Centre (EOC) alignment with the Incident Command System.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	ICS Technical Specialist (Coach) Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager.
<input type="checkbox"/>	Support the Incident Support Team (IST) by guiding actions within the Incident Command System processes.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.20 Logistics Manager

Role Description		
<p>Provides support to the response organization by providing materials, services and facilities as required. This role and/or the team are responsible to order, track and receive every item necessary to keep the response organization equipped, sheltered and fed. It is also required to maintain or repair response equipment.</p>		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • Reports to the Incident Director (ID) • May communicate with Logistics Section Chief (LSC) (if approved by ID) • Communicates with the Safety Manager, Operations Manager and Finance/Admin Manager 	Emergency Operations Centre (EOC)	ICS 205 and 205 a (Radio Communications Plan and Communications List) ICS 206 (Medical Plan) ICS 214a (Individual Log) ICS 218 (Support Vehicle Inventory)

<input checked="" type="checkbox"/>	Logistics Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Receive briefing and directions on assignments from ID/DID as well as communications protocols such as can you communicate directly with the Logistics Section Chief in the Incident Management Team. Other intel needed includes: <ul style="list-style-type: none"> • Incident Name • Operational Period • Clarification on your ordering authority • Already established facilities and resources ordered
<input type="checkbox"/>	Develop team as needed, delegate responsibilities and define communications protocols. <ul style="list-style-type: none"> • Support roles that can be activated are outlined in the ERP, IMH and the IST organization chart. • This role may have a Deputy, a person who is equally qualified to perform the role of the Logistics Manager. • Establish at minimum, a Security Manager to provide support (may be development of plans and hiring resources, etc.) for the field, ICP and EOC. This role is to be filled by a PMC Security Management Specialist.
<input type="checkbox"/>	Review the Logistics Section Chief Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Establish a PO or other ordering system and inform IST members how resource orders are to be made. This may include for example:

☑	Logistics Manager Tasks
	<ul style="list-style-type: none"> • Who can request orders (authority structure), • What form to be used to make requests (i.e. ICS 213RR or other) • Financial value limits
☐	Implement a method for tracking resources requested and ordered such as a matrix or spreadsheet
☐	Develop a communications plan (ICS 205 or/205a) if needed.
☐	Develop a transportation plan (ICS 217) if needed.
☐	Support the field with <u>facility</u> needs such as the Incident Command Post, Staging Area(s), Base
☐	Provide situation reports to members of the IST including any excessive costs.
☐	Confirm that each direct report has reviewed checklists of their direct reports for completion.
☐	Ensure all required resources for your team (equipment, supplies, and personnel) are available.
☐	Provide updates to the Incident Director. If you receive important intel, don't wait for a scheduled update.
☐	Ensure continuity of role by establishing work shifts and replacement personnel. Provide briefing to incoming personnel.
☐	Work closely with Planning to ensure a Demobilization Plan is developed.
☐	Maintain ICS 214a and ensure form(s) are fully completed including incident name, operational period, name of person, etc.

2.21 Respond Technical Specialist

Role Description		
<p>Respond Technical Specialist is responsible for operating the emergency response mapping program which outlines details of the emergency response and impacted area. This includes: Emergency Planning Zone (EPZ), other response boundaries, impacted stakeholders (including their confidential resident/business information), asset locations & details (PMC and other operators), response details, responder functions/locations (such as roadblocks, Divisions, etc), weather, etc.</p> <p><i>NOTE: Respond does NOT conduct analysis or modelling. If detailed mapping/GIS is required, a GIS or other Technical Specialist must be activated.</i></p>		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Planning Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Respond Technical Specialist Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Planning Manager or if the Planning Manager hasn't arrived, the Incident Director.
<input type="checkbox"/>	Inform Planning Manager or ID of your role and capabilities (i.e. mapping EPZ, providing resident data, etc) and establish communication intervals and protocols.
<input type="checkbox"/>	Request incident location including system (i.e. Rangeland) and other info that is available such as: <ul style="list-style-type: none"> wind direction weather level of emergency product type (because this may affect the EPZ depending on if product is HVP or LVP)
<input type="checkbox"/>	Request IS support if needed for connectivity with printers, plotters, etc.
<input type="checkbox"/>	As soon as possible, but at minimum prior to the Incident Director performing the initial incident briefing to the IST, initiate an Incident in Respond based on data received about location of incident and type of incident.
<input type="checkbox"/>	Update and revise EPZ if and as needed with additional intel such as adding bump outs to include residents, etc.
<input type="checkbox"/>	Provide stakeholder contact information to the Liaison Manager or Operations Manager, who may need it to conduct notifications or evacuations.
<input type="checkbox"/>	Provide intel such as surface developments and water bodies in proximity to the incident location and at minimum within the EPZ.
<input type="checkbox"/>	Update Respond as needed with new intel.
<input type="checkbox"/>	Provide printed versions of the map as requested.
<input type="checkbox"/>	Save versions of maps in the incident folder. Ask for details from Documentation if unsure.
<input type="checkbox"/>	Maintain a log of activities/decisions ICS 214a and indicate if the "log" and "chat" functions were used to record major activities.

2.22 Service Branch

Role Description		
Responsible for food, medical and communications for the Emergency Operations Centre (EOC).		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Logistics Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Service Branch Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Logistics Manager.
<input type="checkbox"/>	Support the Logistics Manager by managing food, medical and communications for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Service Branch Director by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Service Branch Director (and direct report) Checklists in preparation for assisting with any item.
<input type="checkbox"/>	Review each checklist of direct reports to ensure that all actions are completed.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies, and personnel) are available.
<input type="checkbox"/>	Provide update to the Logistics Manager.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.23 Food Unit

Role Description		
Responsible for organizing food for the Emergency Operations Centre (EOC) and providing support to the IMT roles where required.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Service Branch Director 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Food Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Logistics Manager by managing food for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Food Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Food Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies) are available.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.24 Communications Unit

Role Description		
Manages Emergency Operations Centre (EOC) incident communications and facilities.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Service Branch Director 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Communications Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Logistics Manager by managing communications for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Communications Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Communications Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies) are available.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.25 Support Branch

Role Description		
Manages logistics plans for the Emergency Operations Centre (EOC).		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Logistics Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Support Branch Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Logistics Manager.
<input type="checkbox"/>	Support the Logistics Manager by managing supplies, facilities and security for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Support Branch Director by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Support Branch Director (and direct report) Checklists in preparation for assisting with any item.
<input type="checkbox"/>	Review each checklist of direct reports to ensure that all actions are completed.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies, and personnel) are available.
<input type="checkbox"/>	Provide update to the Logistics Manager.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.26 Supplies Unit

Role Description		
Orders personnel, equipment and supplies for the Emergency Operations Centre (EOC).		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Service Branch Director 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Supplies Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Logistics Manager by managing supplies for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Supply Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Supply Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies) are available.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.27 Facilities Unit

Role Description		
Organizes the layout of the Emergency Operations Centre (EOC) and arranges hotels for the Incident Support Team (IST) response personnel.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Service Branch Director 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Facilities Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Logistics Manager by managing facilities for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Facilities Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Facilities Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies) are available.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.28 Security Unit

Role Description		
Manages Emergency Operations Centre (EOC) safeguards for protecting personnel and property.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Service Branch Director 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Security Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Logistics Manager by managing security for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Security Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Security Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies and personnel) are available.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.29 Finance/Administration Manager

Role Description		
Responsible for providing support to the Finance/Administration Section Chief.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> • Reports directly to Incident Director • Communicates with Finance/Administration Section Chief, Logistics Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Finance/Administration Manager Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC) and report to the Incident Director.
<input type="checkbox"/>	Develop team as needed, delegate responsibilities and define communications protocol.
<input type="checkbox"/>	Receive directions on assignments from ID/DID
<input type="checkbox"/>	Determine with ID/DID if you can communicate directly with the FSC and what protocols must be followed.
<input type="checkbox"/>	Review the Finance/Administration Section Chief Checklist to assist the FSC where and if needed.
<input type="checkbox"/>	Support the Finance/Administration Section Chief by sharing duties when possible.
<input type="checkbox"/>	Review each checklist of direct reports to ensure that all actions are completed as needed.
<input type="checkbox"/>	Ensure all required resources (equipment, supplies, and personnel) are available.
<input type="checkbox"/>	Provide updates to the Incident Director.
<input type="checkbox"/>	Ensure continuity of role by establishing work shifts and replacement personnel.
<input type="checkbox"/>	Maintain ICS 214a, ensure form(s) are fully completed including incident name, operational period, name of person, etc

2.30 Time Unit

Role Description		
Records Emergency Operations Centre (EOC) personnel time.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Finance/Administration Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Time Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Finance/Administration Manager by managing personnel time for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.31 Cost Unit

Role Description		
Records Emergency Operations Centre (EOC) costs and provides support to Cost Unit Leader.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Finance/Administration Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Cost Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Finance/Administration Manager by managing costs for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Cost Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Cost Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.32 Procurement Unit

Role Description		
.Administers financial matters, providing support to Procurement Unit Leader.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Finance/Administration Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Procurement Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Finance/Administration Manager by managing procurement for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Set up an AFE/Purchase Order for the incident as required.
<input type="checkbox"/>	Support the Procurement Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Procurement Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.33 Compensation/Claims Unit

Role Description		
Records Emergency Operations Centre (EOC) costs and provides support to Compensation/Claims Unit Leader.		
Key Communications	Incident Facility	Forms
<ul style="list-style-type: none"> Finance/Administration Manager 	Emergency Operations Centre (EOC)	ICS 214a

<input checked="" type="checkbox"/>	Compensation/Claims Unit Tasks
<input type="checkbox"/>	Upon notification of an emergency, proceed to the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Finance/Administration Manager by managing compensation/costs for the Emergency Operations Centre (EOC).
<input type="checkbox"/>	Support the Compensation/Claims Unit Leader by assuming some of their tasks, if required.
<input type="checkbox"/>	Review the Compensation/Claims Unit Leader Checklist in preparation for assisting with any item.
<input type="checkbox"/>	Provide update.
<input type="checkbox"/>	Perform additional tasks or duties as assigned.
<input type="checkbox"/>	Maintain ICS 214a.

2.34 Intelligence/Investigation Function

Role Description			
<p>This role would typically be activated in the event of a security/criminal incident or casualty. This role would be filled either by a PMC Security Specialist or Law Enforcement agency representative, and is responsible for providing the Incident Commander/Unified Command with intelligence and investigation information. This advice is intended to ensure the safety of response personnel and the public, help to stabilize the incident, minimize the impacts of the incident, and preserve evidence. To support this need, this role is also responsible for establishing a system for collection, analysis and sharing of information during intelligence and investigation efforts. This role is also be responsible for ensuring that sensitive information is handled in accordance with prescribed requirements by PMC’s Security Management Program, Information Management Program and policing agencies.</p> <p>There are four organizational options available to the Unified Command when staffing the Intelligence/Investigation function (in order of likelihood):</p> <ul style="list-style-type: none"> • An Intelligence/Investigation Officer (reporting directly to the UC) • An Intelligence/Investigation Section Chief (reporting directly to the UC) • An Intelligence/Investigation Branch Director (reporting directly to the OSC) • An Intelligence/Investigation Technical Specialist (reporting directly to the PSC) <p>It is the intent that information gathered during the response will lead to the detection, prevention, apprehension and prosecution of criminal activities or the individuals involved as well as assist in determining the cause of an incident. Generally, this information is shared within the response organization only, and not with stakeholders and/or the public.</p>			
Key Communications	Incident Facility	Meetings	Forms
<ul style="list-style-type: none"> • Unified Command • Incident Commander • Command Staff and General Staff • OSC or PSC depending on chain-of-command • External Policing Agencies 	Incident Command Post (ICP)	Unified Command Objectives Meeting Tactics Meeting Planning Meeting	ICS 214a

☑	Intelligence/Investigation Function Tasks
☐	Review IMT common responsibilities.
☐	Assess the situation and/or obtain a briefing from the Incident Commander.
☐	Review the Site Specific STRP or STRP Standard
☐	Liaise with, and coordinate response efforts with all Policing Agencies.
☐	Advise the PMC IC on the standard operating procedures of Policing Agencies.
☐	Safeguard sensitive information including classified, law enforcement, proprietary information as well as witness statements, case files and export control.
☐	Participate in the Unified Command/Objectives Meeting, providing intel and ensuring that the preservation of evidence is included as an incident Objective.
☐	Collect and analyse incoming intelligence/investigation info from all sources.
☐	Determine the applicability, significance and reliability of incoming intelligence/investigation information.
☐	Determine, from agency sources, if there is any corroborating intel (chatter) from social media/dark sites.
☐	Provide Intell/Investigations briefings to the IC/UC.
☐	Answer intel/Investigations questions and advise Command and General Staff as appropriate.
☐	Supervise, coordinate and participate in the collection, analysis, processing and dissemination of Intell/Investigations information.
☐	Evaluate Intell/Investigations operations and make adjustments to the organization, strategies, tactics, and resources as necessary.
☐	Help to determine and/or understand causation of incident.
☐	Attend appropriate meetings, briefings and press briefings.
☐	May support the security function within Logistics to ensure protection of responders and incident facilities by developing security plans, etc.
☐	Place additional personnel and resources on standby, if required.
☐	Determine and communicate the need for specialised resources.
☐	Monitor the need for and request additional resources to support Intelligence/Investigations operations.
☐	Work with the PSC and OSC to develop Intell/Investigations aspects and components of the IAP, including incident objectives, strategies, tactics, and priorities; information on resources, reserves, services, and support; and Intell/Investigations operations.
☐	Participate in the Tactics and Planning Meetings, providing intel and providing insight into the capabilities and limitations of security-related resources and tactics.
☐	Review and approve final Intell/Investigations related ICS 204s prior to IAP approval.

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SECTION 3: Responder Safety and Public Protection

3.1 Introduction

Beyond meeting regulatory requirements, the primary purpose of an Emergency Response Plan (ERP) is to clearly define the framework, tools and procedures that facilitate the ability of PMC personnel to respond safely, quickly, consistently and effectively to operational and non-operational incidents.

PMC's incident priorities in order of importance are:



The key goals of the ERP are to:

- Protect the safety of the public, personnel (all responders including contractors), the environment and property.
- Provide personnel with established procedures to respond to an emergency.
- Provide personnel with access to critical information required to respond to an emergency.
- Eliminate or minimize the effects that incidents have on PMC operations.

3.2 Responder Safety

An essential element to effectively and safely responding to any incident is the establishment of responder safety/ site control zones. These zones are established by the Incident Commander or Safety Officer to:

- Ensure responder safety by limiting access to authorized personnel based on the risk(s) posed within the zone.
- Reduce the accidental spread of hazardous substances by workers and responders.
- Reduce exposure to hazards through restricted access and appropriate mitigative measures including but not limited to personal protective equipment (PPE).

Responder safety zones specify:

- The type of operations that can occur in each zone;
- The degree of hazard(s) at different locations within the incident site/impacted area; and
- The areas at the incident site that should be avoided by unauthorized or unprotected employees.

It is impossible to determine the responder safety zones before an incident occurs as they are specific to the incident and its location and must be identified based on site specific hazards. The incident will most likely include the definition of the Support and Exclusion zones and possibly the Contamination Reduction zone, as required. An additional Decontamination Corridor may also be defined for personnel and equipment to safely enter and exit the incident site, as well as remove any harmful chemicals or infectious organisms that may have adhered to them. The responder safety zones are defined specifically for each incident based on the nature and severity, as approved by the Incident Commander.

The three most frequently identified zones include:

1. The **Exclusion (Hot) Zone** is the area with actual or potential contamination and the highest potential for exposure to hazards. This is where the incident is taking place and where people, the environment, and/or property are at risk. The Incident Commander must clearly define the Hot Zone through analysis of available information. The Hot Zone must be clearly defined and marked to prevent unauthorized entry.

This Zone has the highest life safety hazard and therefore extreme caution, planning and protection needs to be taken prior to entry. Typically, the Hot Zone will be extended on the downwind side.

When determining the size of the Hot Zone, consider the following:

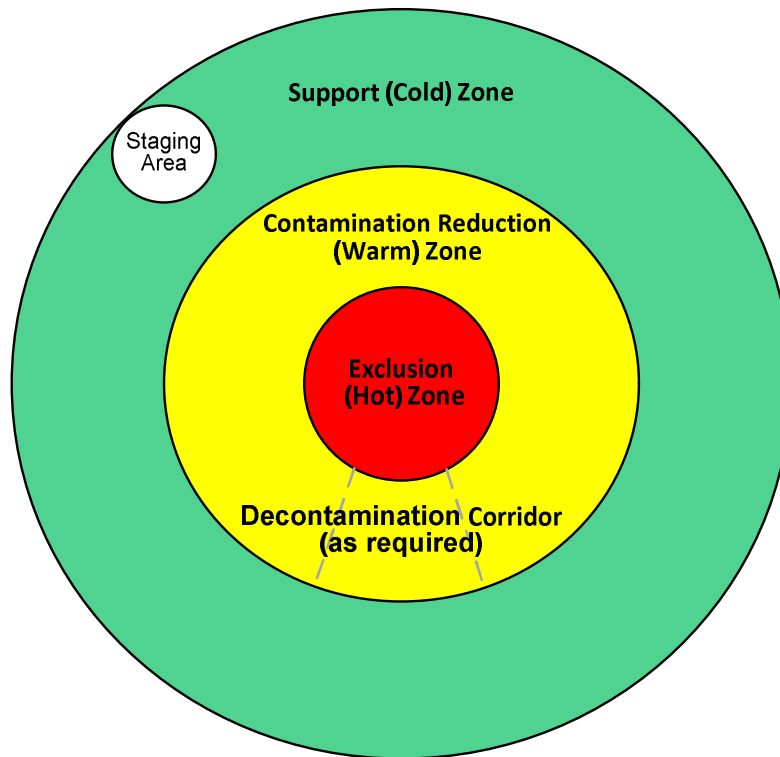
- Results of vapour monitoring;
- Location of vapour plume and potential direction of drift as well as the footprint of spilled product and it's possible trajectory;
- Location of access routes, power lines, other buried infrastructure such as pipelines
- Areas where vapours are likely to accumulate (downwind, low-lying areas, confined spaces, etc.)
- Site stability (steep slopes, overhanging banks, unstable soil, thin ice, flooding, etc.)
- Weather conditions
- Toxicity and/or evacuation data for product involved (refer to the MSDS and ERG 2016)

When addressing public safety, this zone must be evacuated of non-authorized personnel.

2. The **Contamination Reduction (Warm) Zone** is the transition area between the Exclusion (Hot) and Support (Cold) Zones. This area is where responders and equipment enter and exit the Hot Zone and where decontamination activities take place, as applicable. The Warm Zone must be clearly defined and marked to prevent unauthorized entry and typically be located uphill and upwind from the emergency site. If the emergency escalates, the Hot Zone could expand to include the Warm Zone.
3. The **Support (Cold) Zone** is the area near the site that is free from contamination and may be safely used for support services and facilities, including staging areas. The Cold Zone is where tactical responders will assemble prior to responding to the incident. No PPE is required to operate in the cold zone. The Cold Zone where responders are working must have clearly defined boundaries to prevent unauthorized access during the incident response.

When addressing public safety, members of the public outside of the working area are not at risk but awareness of changing conditions require planning in the event the risk to public safety escalates.

The following diagram illustrates the three Responder Safety Zones.



3.3 Emergency Planning Zone Determination

3.3.1 Emergency Planning Zone

The Emergency Planning Zone (EPZ) is a geographical area surrounding a well, pipeline, or facility containing hazardous product that requires specific emergency response planning. Responses for public protection in this area can include shelter-in-place, evacuation, and release ignition. All personnel must ensure they are familiar with the size of the EPZ.

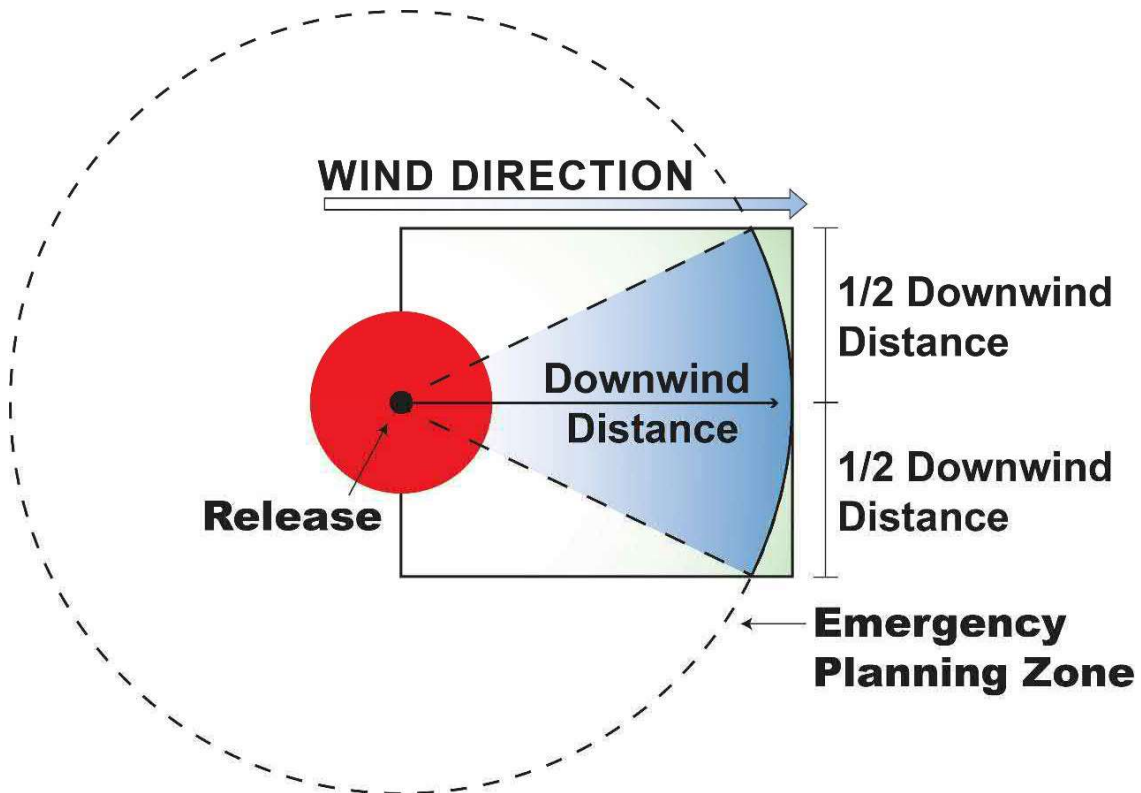
Whereas the EPZ is used for planning purposes and reflect an area where significant exposure could result without prompt action, actual conditions during an incident need to be assessed to ensure an appropriate initial response. The response zones are where resources are focused during an incident to protect public safety.

Calculating EPZs for Hydrogen Sulphide (H₂S or Sour Gas)

PMC determines EPZs using the applicable methodology as per provincial requirements industry and program standards. For example, in Alberta wells, facilities and pipelines that either produce or transport hydrogen sulphide (H₂S) have EPZs calculated by the ERCBH2S software program.

Calculating EPZs for HVP Product

The primary hazard associated with high vapour pressure (HVP) products is direct exposure to flame. The largest hazard area for emergency response planning is based on a flash fire. HVP pipeline EPZs are calculated using a standard industry table such as the *CAPP Companion Planning Guide to ERCB (now called the Alberta Energy Regulator) Directive 071* or by conducting plume dispersion modelling specific to the asset.



NOTE: Initial isolation and protective action zones are outlined for illustration purposes only.

3.3.2 Initial Isolation Zone

The Initial Isolation Zone (IIZ) defines an area in proximity to a continuous hazardous release where the public may be exposed to toxic concentrations of release, and sheltering may provide limited protection. All evacuation efforts must be initially focused in this zone.

3.3.3 Protective Action Zone

The estimated size of the Protective Action Zone (PAZ) is calculated using ERCBH2S modelling. Immediately following a release of the H₂S or HVP product, the approximate size and direction of the PAZ can be determined using actual conditions at the time.

The PAZ is based on current wind conditions, the product released and other factors. The PAZ is an area downwind of a hazardous release where outdoor pollutant concentrations may result in life threatening or serious and possibly irreversible health effects on the public. The PAZ is the area within the EPZ in which parties may be at most risk of exposure during an incident, and it is intended to assist responders to focus and prioritize their emergency response efforts there.

To determine the size of the response zones, response personnel should approach the perimeter of the response zone cautiously so as not to exceed personal exposure limits and begin monitoring with handheld equipment at the nearest residence to the outer perimeter.

From this location the response personnel should continue to approach any additional downwind residences that may be closer to the release until the outer boundary of the response zone is validated.

3.4 Isolation of the Emergency Planning Zone

PMC may be required to establish and manage manned roadblocks in order to prohibit unauthorized entry into the response zones. It may also become necessary to obtain a fire hazard order, NOTAM, or to declare a state of local emergency to restrict access to a designated area.

Roads Roadblock personnel can set-up roadblocks on lease roads. The local authority must authorize the roadblocks on public roads within the municipality. Provincial Transportation Authority must authorize road closures on Provincial highways. Municipal personnel may assist with maintaining roadblocks during an emergency response.

Trails Access to trails may be restricted with roadblock personnel and/or municipal or provincial personnel.

Railroads CN, CP or private railroad companies will need to be notified of the situation and will stop or relocate rail traffic.

Rivers Rivers may need to be monitored to ensure that recreational users do not travel into the EPZ. This may be accomplished by working with municipal, provincial or private companies.

Air Notification to NAV Canada may be required to issue a Notice to Airmen (NOTAM) to advise pilots of airspace restrictions above the EPZ.

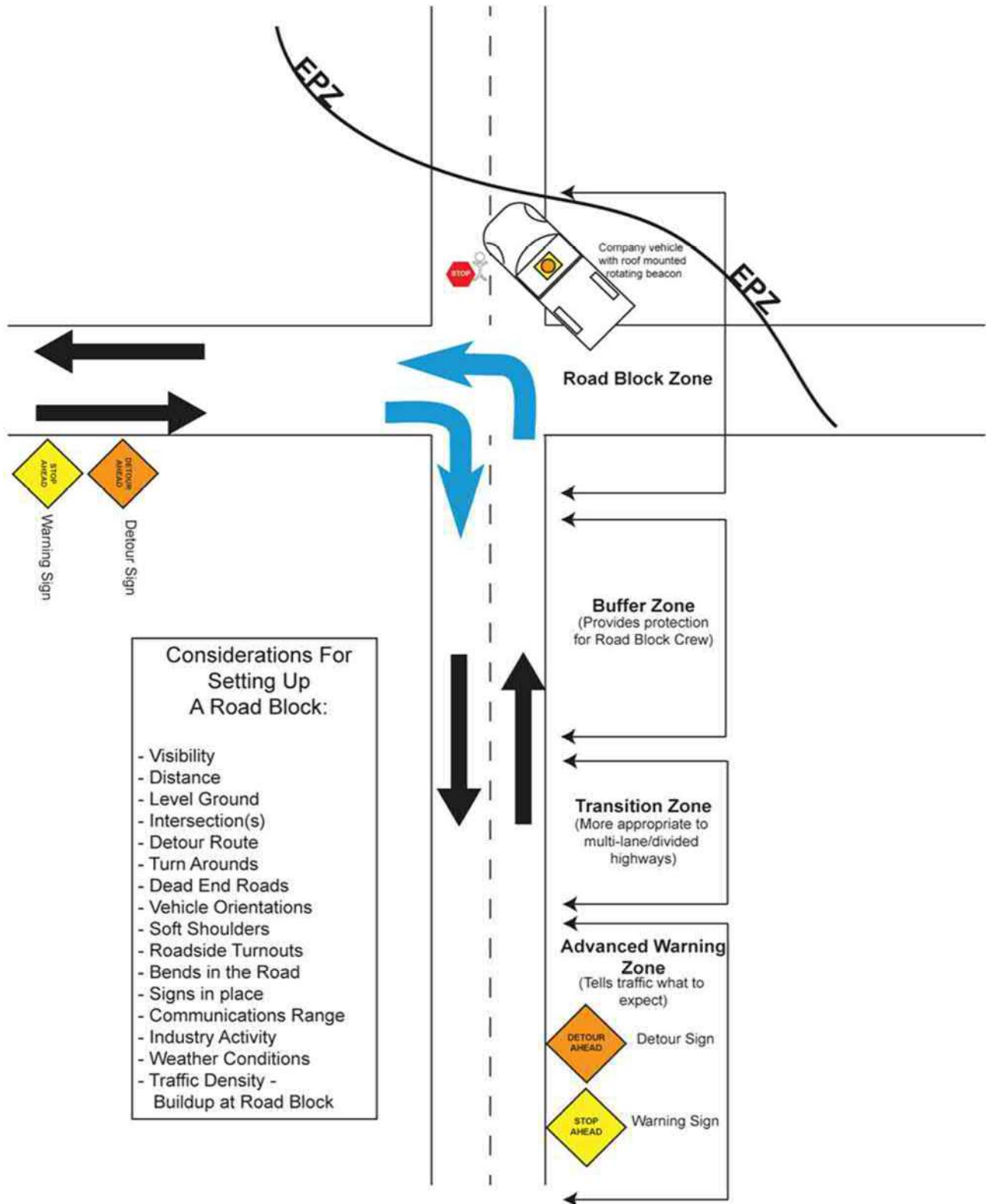
Roadblocks can be staffed by:

- PMC personnel
- Contracted personnel
- RCMP/Police
- Fire Department
- Municipal representatives

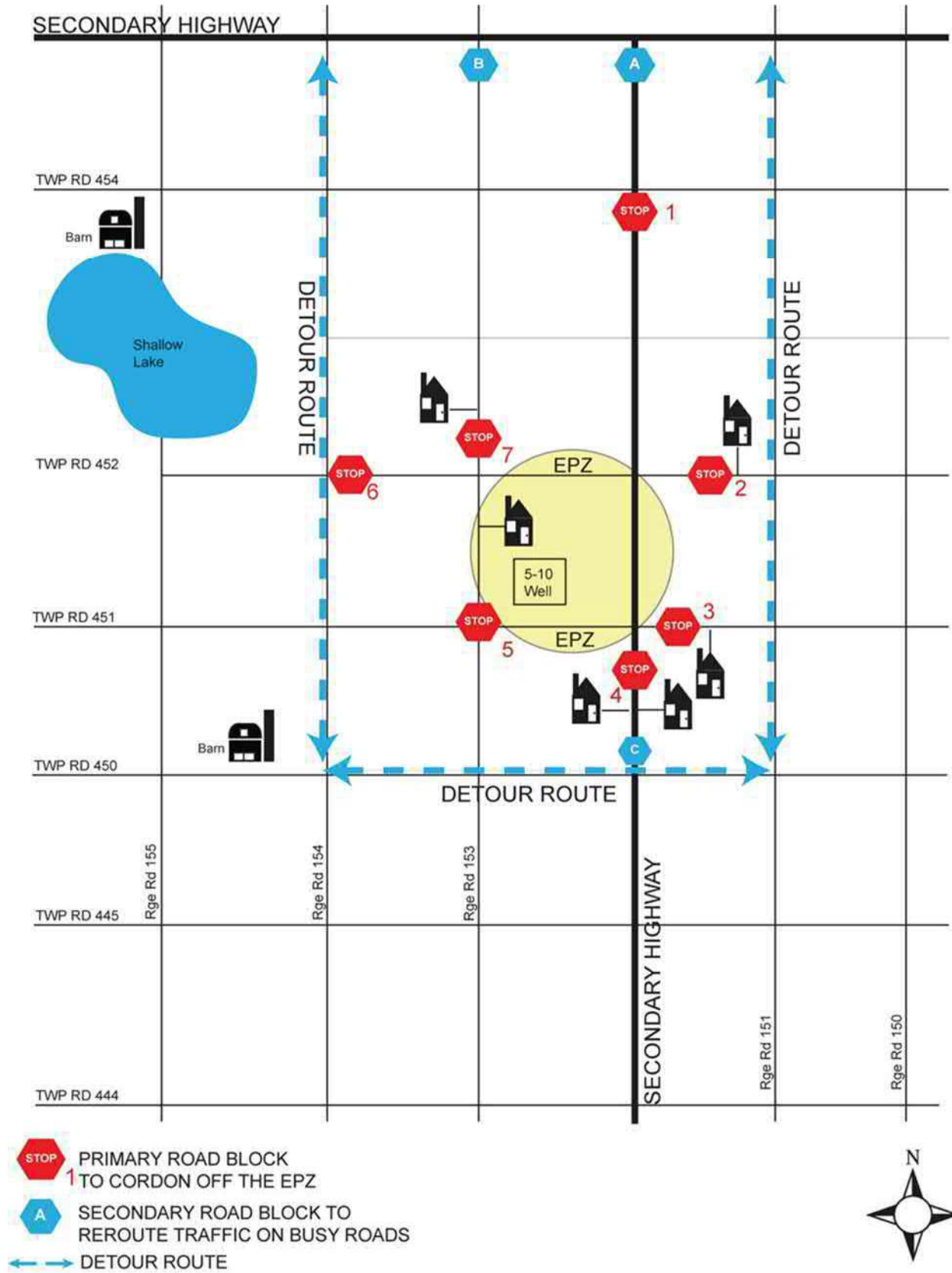
Roadblock personnel stationed at the roadblock locations will be equipped with the appropriate PPE. Roadblock Units shall restrict access into the area to authorized personnel only and maintain a record of persons entering or exiting the EPZ.

Persons allowed entry into the area will be checked in, briefed on the existing conditions and equipped with the appropriate PPE.

3.4.1 Primary Roadblock Example (for Single Lane Roads)



3.4.2 Roadblock Placement Example



3.5 Air Quality Monitoring

Air quality monitoring is used to track and record the presence, concentrations and lower explosive limit levels (LEL) of hazardous products such as hydrogen sulfide, sulphur dioxide and HVP product following a release.

Air quality monitoring occurs downwind, with priority being directed to the nearest un- evacuated residence or area where people may be present. Detailed records of monitored H₂S and SO₂ information will be kept and provided upon the request.

Air monitoring is used for:

- Tracking an H₂S / SO₂ plume
- Determine if ignition criteria is met
- Determine if evacuation or sheltering is required based on criteria
- Determine response zones and roadblock locations
- Determine H₂S / SO₂ concentrations in areas being evacuated to ensure safe evacuation
- Determine if the emergency can be downgraded based on readings
- Determine if response actions need to be taken beyond the EPZ

The type of air monitoring units and the number of monitors required are based on site specific information, including:

- Access and egress points
- Population density and proximity to urban density developments
- Local conditions
- Incident severity

Air quality monitoring occurs downwind, with priority being directed to the nearest unevacuated residence or areas where people may be present.

See Section 7 for characteristics of H₂S and SO₂ vapours.

3.6 Evacuation

Within the EPZ, notification and evacuation is based on the risks associated with the release. Evacuation is the primary public protection measure when the public may be exposed to a hazardous situation and can be safely removed from the area. Evacuation begins in the IIZ and expands outward into the PAZ (downwind of the release).

If safe to do so, evacuation should take place before a hazardous situation has the potential to affect people in proximity. Careful consideration will be given to designate the safest evacuation route(s) for personnel and members of the public to evacuate the area

PMC will monitor air quality within the EPZ and surrounding area. Monitoring results will identify areas where evacuation is required. In the absence of monitored readings, responders should advise residents to shelter in place. Typically, residents within the EPZ, but outside of the PAZ, will be contacted and advised to initially shelter in place pending further instructions. PMC will evacuate the public based on air quality results and information gathered from incident assessment. This assessment will include incident

location, wind direction and wind speed, temperature, and geographical features such as rivers and mountains.

A shift in wind direction may require immediate re-evaluation of the PAZ and may prompt the need for additional evacuation and/or sheltering. Ignition will occur if criteria are met. If the release has been ignited, PMC will continue to monitor response zones for hazardous situations.

At an **Alert** or **Level 1** emergency, evacuation is not required; however, all those who requested early notification must be notified of the incident by telephone, personnel or rovers. Evacuation is not mandatory at this level; however, residents may wish to vacate if they so choose. A Reception Centre should be considered at the declaration of a Level 1 in the event that residents wish to vacate the area.

If the potential exists due to deteriorating conditions, or the emergency level has been designated at a **Level 2** or **3**, evacuation will commence of all residents closest and downwind from the release. This will occur through telephone calls, rover visits and pre-determined roadblock locations.

NOTE: PMC can recommend evacuation, but cannot force evacuation of the public. Mandatory evacuations can only be issued by the RCMP/Local RCMP and/or local jurisdiction.

Evacuation beyond the EPZ

In the unlikely event that public protection measures are required beyond the EPZ, they will be conducted in conjunction with the local authority.

Notification procedures are outlined in the Municipal Emergency Plan (MEP) may be used by the local authority to notify residents outside the EPZ. PMC supports Unified Command. PMC will work with the local authority to determine and execute appropriate public protection measures beyond the EPZ.

H ₂ S Concentrations in Un-Evacuated Areas	Requirements
1 to 10 ppm (3-minute average)	Individuals who requested notification so they can voluntarily evacuate before any exposure to H ₂ S must be notified
Above 10 ppm (3-minute average)*	Local conditions must be assessed and all persons must be advised to evacuate and/or shelter
* If monitored levels over the 3-minute interval are declining (i.e. three readings show a decline from 15 ppm to 10 ppm to 8 ppm over 3-minutes), evacuation may not be necessary even though the average over the 3-minute interval would be 11 ppm. PMC will use proper judgment in determining if evacuation is required.	

SO ₂ concentrations in Un-Evacuated Areas	Requirements
5 ppm (15-minute average)	Immediate evacuation of the area must take place.
1 ppm (3-hour average)	
0.3 ppm (24-hour average)	

Rovers

Rovers are responsible for travelling and monitoring the EPZ during an emergency situation. Rovers ensure all transients, recreational users, residents and other area users are properly notified and/or evacuated if the situation warrants. Rovers should be equipped with vehicles capable of carrying passengers allowing them to assist in the evacuation of the EPZ. Rovers will also be equipped with the appropriate PPE.

Prolonged Evacuation

If the incident is prolonged, PMC may:

- Provide instructions how to claim for incurred expenses.
- Provide assistance in arranging food and temporary accommodation.
- Provide area security.
- Arrange to replace responders.

Reception Centre

PMC may establish a resident Reception Centre when members of the public are evacuated as a result of a PMC incident. During an evacuation PMC will work together with local authorities and emergency social services to provide care for evacuees at the Reception Centre. Refer to the 2.21. *Reception Centre Group Supervisor* checklist in *Section 2: Roles and Responsibilities - IMT* for more information.

Return of Evacuees

Once the emergency is over, the decision to permit the return of persons will be made by the Incident Commander in consultation with regulatory agencies and local authorities.

Refer to the 2.16. *Public Protection Branch Director* checklist in *Section 2: Roles and Responsibilities - IMT* for more information.

3.7 Shelter-In-Place

Shelter in place is the practice of going or remaining safely indoors during an outdoor release of a hazardous substance.

Shelter in place has been demonstrated to be an effective response during the first few hours of a substance release where public would be at the highest risk outdoors. Sheltering creates an indoor buffer to protect an individual from high concentrations that may exist outside.

The goal of sheltering is to reduce the movement of air into and out of the building until either the hazard has passed or other appropriate emergency actions can be taken.

If evacuation is not possible, then sheltering in place can be used to protect members of the public, under certain conditions.

Depending on the volume, size, duration, or meteorological conditions, sheltering in place may not be a viable public protection measure within the IIZ during release. In this situation the public safety aspects of sheltering in place will have to be continuously re-evaluated during the incident and assisted evacuation may be necessary to ensure public safety.

Members of the public within the EPZ but outside of the PAZ may be contacted and advised to initially shelter in place pending further instructions from a PMC representative.

Sheltering indoors is a viable public protection measure when:

- There is insufficient time or warning to safely evacuate the public that may be at risk.
- Residents are waiting for evacuation assistance.
- The release will be of limited size and/or duration.
- The location of the release has not been identified.
- The public would be at higher risk if evacuated.

3.7.1 Shelter-in-Place Instructions

- Immediately gather everyone indoors and remain there.
- Close and lock all windows and outside doors. If convenient, tape the gaps around the exterior door frames.
- Extinguish indoor wood burning fires. If possible, close flue dampers.
- Turn off appliances or equipment that either:
 - Blow out inside air, such as bathroom and kitchen exhaust fans, built-in vacuum systems, gas stoves, gas fireplaces, clothes dryers.
 - Suck in outside air, such as heating ventilation and air conditioning systems (HVAC) for apartments, commercial or public facilities, fans for heat recovery ventilators or energy recovery ventilators (HRV/ERV).
- Turn down furnace thermostats to the minimum setting and turn off air conditioners.
- Leave all inside doors open.
- Do not use the telephone, except for emergencies, so that emergency personnel can contact you.
- Contact emergency number provided at time of notification if you are experiencing symptoms or smelling odours or if you have contacted local emergency services, this allows responders to coordinate their response.
- Stay tuned to local radio and television for possible information updates.
- If you see people outside, do not leave until told to do so.
- If you are unable to follow these instructions, please contact the emergency number provided at time of notification.

Once the emergency situation has been corrected you will receive an “all-clear” message from the emergency response personnel and advised to:

- Ventilate the building.
- Open all windows and doors.
- Turn on indoor fans.
- Turn on the furnace.
- Avoid remaining inside during this time as the outdoor air may be fresher.
- Once the building is ventilated, return all heating, ventilating and other equipment to normal.

If sheltering procedures are implemented, continuous telephone contact with sheltered individuals will be maintained until a safe evacuation can be conducted or the emergency is resolved.

3.8 Ignition

PMC will monitor the incident continuously and take immediate measures to ignite a hazardous release if criteria are met. Ignition does not negate the need for continuing with evacuation as there may be residual hazards in the area. When gas is ignited, it is carried higher into the atmosphere by the heat of combustion. This causes any toxic gases to disperse over a larger area which will also be monitored.

Ignition discussions between the Incident Commander and the regulatory agency should occur at pre-set intervals until the situation is brought under control. Refer to *3.8.2. Ignition Checklist* for guidance pertaining to igniting a vapour cloud. Any decision to ignite an H₂S plume must be made in conjunction with the regulatory body and the regulatory body should be notified of the ignition of an HVP plume. The following factors should be considered before the decision to ignite proceeds:

- If evacuation is impractical and the health and safety of people are at risk, and therefore the release should be ignited promptly.
- The decision to ignite would be supported or directed by the regulatory agency.

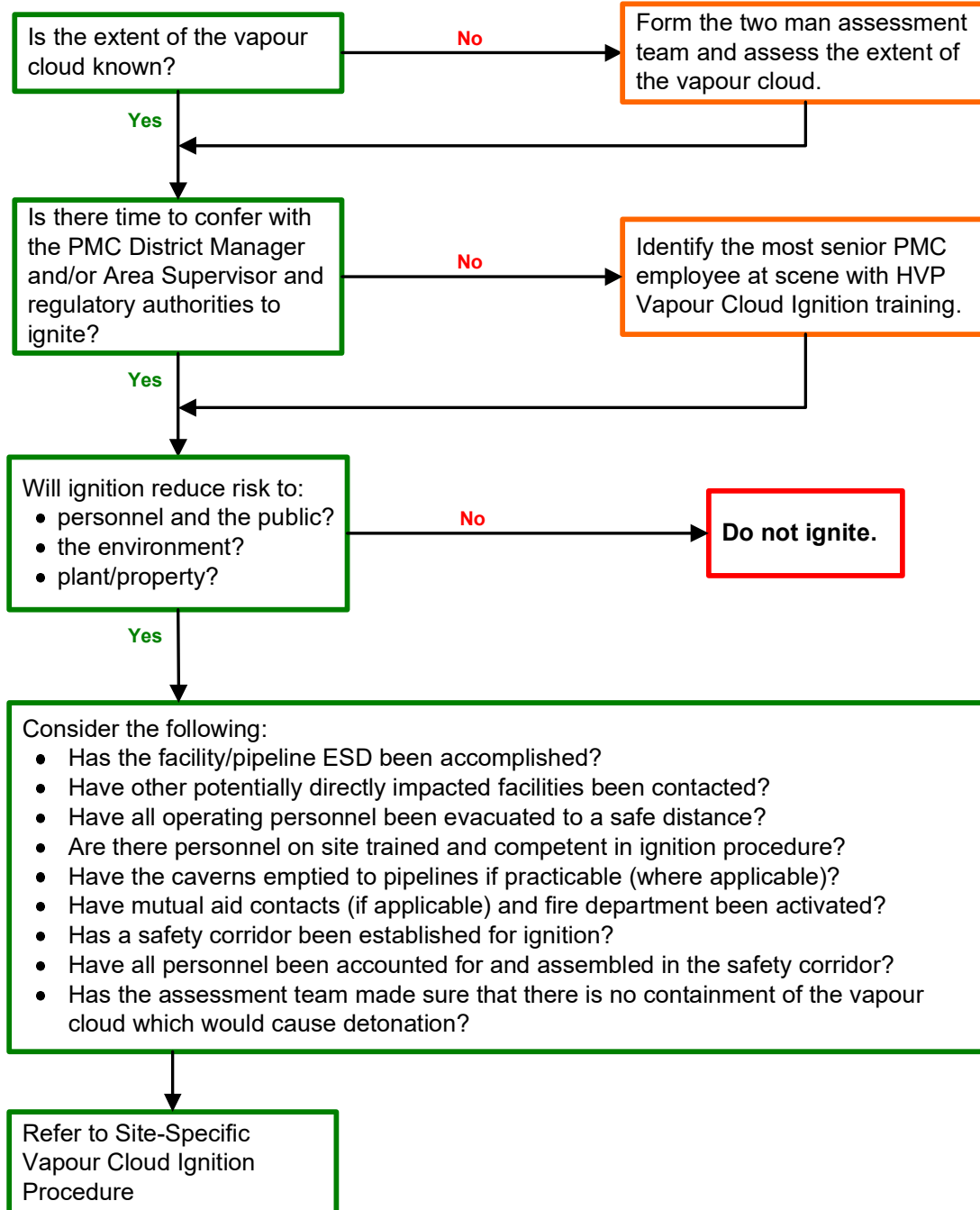
The Incident Commander must utilize the *3.8.1. Ignition Flowchart* and has authority to direct ignition of the release. This may be directed to an external service company or delegated to a qualified and trained company representative.

Ignition does not negate the need for continuing with evacuation, as there may be residual pockets of H₂S or SO₂ in the area.

NOTE: Ignition criteria can be found in 3.8.3. Public Protection Measures Flowchart and, if applicable, site specific vapour cloud ignition procedure may be referred to.

3.8.1 Ignition Flowchart

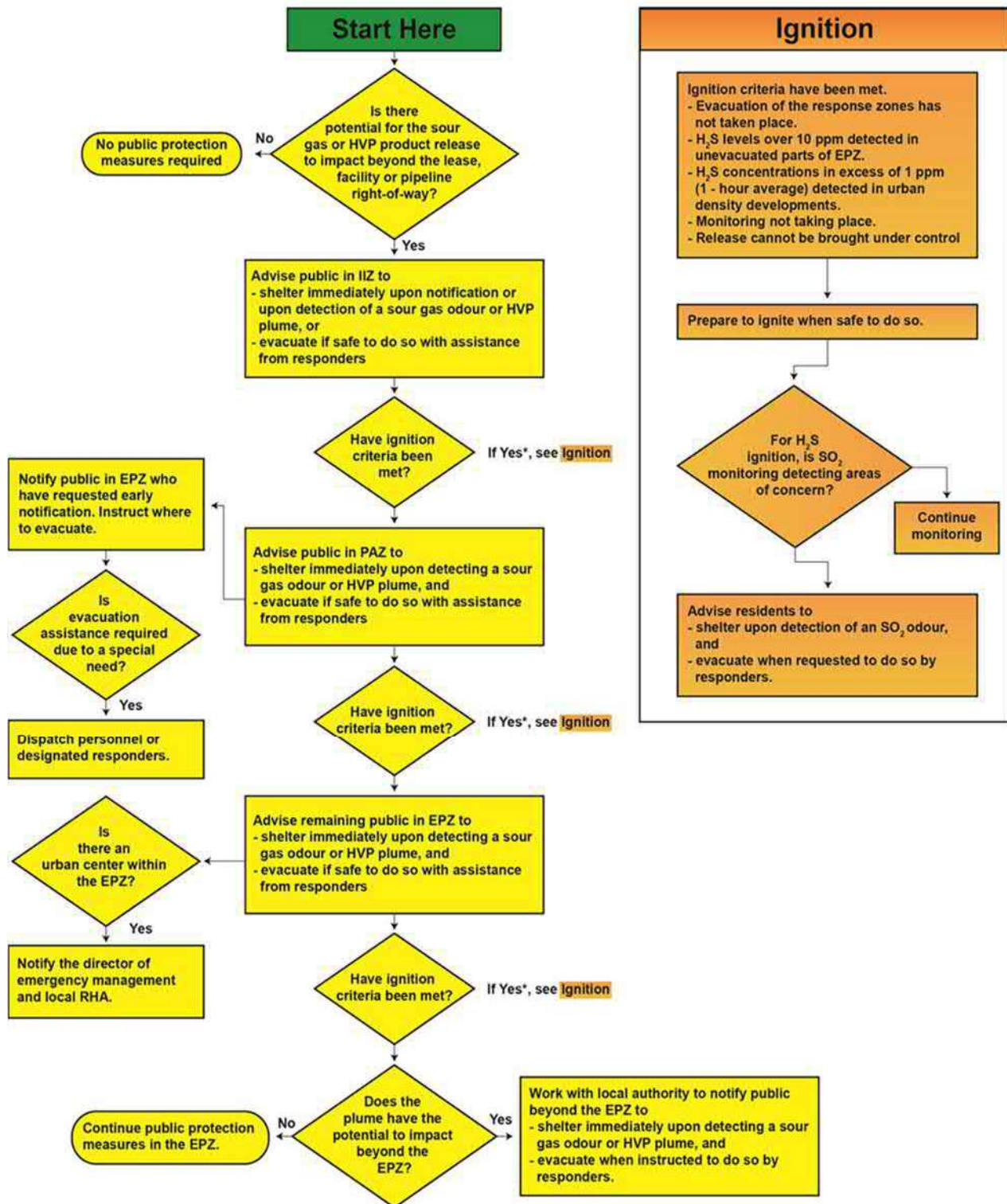
The following vapour ignition flowchart will be used in order to make the decision to ignite a release.



3.8.2 Ignition Checklist

IGNITION DECISION CHECKLIST	Yes / No
Facility / Pipeline Emergency Shut Down (ESD) accomplished	
Possible vapour cloud containment assessed in order to prevent detonation	
Vapour cloud extent assessed	
Potential for property and/or environmental damage due to accidental ignition and/or explosion assessed	
Risk to members of the public and response workers assessed	
Proximity to residences, public facilities, towns and urban centers assessed	
Fire hazard after ignition in relation to buildings, facilities, forested or cropland areas assessed	
Potentially directly impacted facilities contacted	
All personnel have been evacuated to a safe distance	
Personnel on site are trained and competent in ignition procedure	
Caverns emptied to pipelines if practicable (where applicable)	
Mutual aid (if applicable) and fire department have been activated	
Safety of ignition team is assured by clearly identifying the emergency hazard areas	
Safety corridor has been established for ignition	
All personnel have been accounted for and assembled in the safety corridor	

3.8.3 Public Protection Measures Flowchart



NOTE: AER Directive 071 – 14.3 Public Protection Measures (Figure 3).

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SECTION 4: Incident Specific Measures

The Incident Specific Measures section provides procedures and additional information specific to various emergency situations. This section is designed to support the existing procedures outlined within the Core ERP and pertain primarily to on-site tactical actions.

Additionally, PMC has established a response equipment program that includes:

1. Response Equipment Manual - Equipment lists, equipment location, custodian contacts, and maintenance requirements.
2. Spill Control Points - Location, access, local contacts, deployment procedures, and required equipment.
3. Specialized Emergency Response Tactical Training - Exercises and specialty training sessions that involve the deployment of response equipment to train responders for spill response on land, water and ice.

Available equipment includes, but is not limited to:

- Spill response workboats
- Spill response equipment
- Oil spill containment and recovery trailers
- Command trailers

NOTE: Refer to Section 9: Area Specific Information for more details regarding PMC Response Equipment.

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4.1 Functional Support Plans

There are Functional Support Plans (FSP) available at the PMC Corporate Calgary Office, on PMC MyPlains (and associated PMC Department SharePoint sites), and a copy of each is available in the Corporate Emergency Operations Centre (EOC). These have been developed internally and/or provided by industry partners to support specific responses and our responding groups / departments. Each FSP outlines specific emergency situations and in some cases points to documents that reside within other departments for that functions support during an incident.

The FSPs that are available, but not limited to, for reference include:

Developed by PMC

- Crisis Communications Manual
 - Outlines crisis communication resources, procedures and protocols.
 - Some of the primary functions include:
 - Executive media conferences, media releases, preliminary statements, general holding statements, etc.
- Cyber Security Plan
 - Outlines resources and procedures for responding to a cyber-attack at Corporate, facility and field offices.
- Environmental Plan
 - Outlines resources and procedures for creating environmental plans specific to incident types and area surrounding. To be utilized in conjunction with incident specific measures outlined within the Core ERP.

Provided by Industry Partners

- Western Canadian Spill Services Ltd. (WCSS) Oil Spill Contingency Manuals
 - Manuals specific to responding to oil spills in the WCSS defined areas and zones.
- Emergency Response Assistance Canada (ERAC)
 - A generic ERAC manual that outlines their response protocol and expectations from the licensee.
 - PMC has ERAP numbers specific to each mode of transportation (truck, rail and commercial) that are specific to the products that PMC handles, stores and transports.
 - Refer to *8.7.2 Emergency Response Assistance Canada (ERAC)*.
- Industrial Wildfire Control Plans
 - Identifies manned locations that fall within identified Alberta Wildlife Management Areas and includes (not limited to):
 - Number of personnel on-site, length of time on-site (minimum 4 hours per day), response equipment and safety equipment
 - PMC has developed a GIS based alert system for impinging wildfires that is linked to the PINS process.

In addition, the following support groups will assist in minimizing the risk to PMC assets, stakeholders and employees:

Land

The Land FSP provides support by minimizing the risk to PMC's assets through informing stakeholders, municipalities, communities and Indigenous Communities as required during an incident. This group also maintains the land contract records for all of PMC's assets and will provide land ownership and contact information for access.

This FSP primarily focuses on supporting the incident response through consulting with those affected members of the public. Land and the Community Relations Advisor's primary function will be as the Liaison Officers or the Operations Team within the Public Protection Branch.

Damage Prevention

The Damage Prevention (DP) FSP provides support by minimizing the risk to PMC's underground infrastructure as required during an incident. This FSP primarily focuses on supporting the incident response through aerial and ground patrol. In addition, DP is involved with ROW surveillance and monitoring, line locating through On-Call notification and minimizing unauthorized activities. DP functions as Technical Specialists primarily found under the Planning Section, however they may reside in the Operations Section.

Cavern Integrity

The Cavern FSP provides support by minimizing the risk to PMC's assets through providing technical advice and recommendations for asset integrity for underground storage caverns and associated wells as required during an incident. The Integrity Management Program (IMP) has been developed to meet or exceed applicable regulatory requirements and relevant standards, and considers industry best practices. The Cavern Integrity Management (CIM) Program provides the processes and procedures required to meet technical requirements for cavern and well integrity management.

This FSP primarily focuses on supporting the incident response through providing technical cavern data and information during a response. The Cavern Integrity group will be serving as Technical Specialist in the Planning Section.

Supply Chain Management (Logistics)

The Supply Chain Management FSP provides support for purchasing, procurement and contracting for goods and services in an incident as required. These services and tasks are supported through the Logistics Section function and occasionally through the Finance & Administration Section. This FSP primarily focuses on supporting the incident response through arranging for necessary equipment, materials, and support services to any incident facility (location), as well as to ensure that responders have the necessary transportation, lodging, medical, security, amenities, etc. to safely and properly respond.

Information Technology/Information Services (IT/IS)

The IT/IS Functional Support Plan (FSP) provides support for all information technology and related services in an incident, and more specifically as it relates to the Incident Command Post (ICP), Emergency Operations Centre (EOC), other incident facilities, and general responder communications. These services and tasks are supported through the Logistics Section via the Communications Unit and Facilities Unit. The FSP primarily focuses on the initial setup of the ICP and other incident facilities requiring technology and connectivity, as well as the ongoing maintenance and troubleshooting to ensure that all responders have the necessary equipment, communications, and capabilities to optimally perform their roles.

4.2 Fire / Explosion

Shutdown the equipment in the affected area, isolate and de-pressure from a remote location if it is safe to do so. For the safety of our workers, it would only be acceptable for workers to fight incipient fires (fires in the beginning stages).

The first person on scene will:

- Assume the role of Incident Commander until relieved by a more qualified individual.
- Assess the situation to ensure personal and others' safety.
- Evacuate personnel from hazard area, consider the following:
 - The availability of safe evacuation routes and ability to attend and transport injured personnel.
 - Determine need for backup or outside resources. Contact emergency services as needed (911, where available).
 - Initiate the evacuation alarm.
 - If dealing with fire, ensure backup is present or en route before attempting to contain or control the fire.
 - Assess the need to shut down the plant to minimize risk to personnel and equipment, execute if necessary.
 - Assess risk of controlling an incident with available personnel and equipment, execute if risk is deemed low.
 - Contact Control Room/Supervisor giving an initial assessment including location, area potentially affected and other hazards.

In addition, the Incident Commander will:

- Call the PMC 24-Hour Emergency Number.
- Ensure evidence is documented and secured for investigation.
- Review Incident Commander Checklist.

Boiling Liquid Expanding Vapour Explosion (BLEVE)

BLEVE is a process whereby the flammable liquid in a vessel is heated through an outside source (flame impingement). The added heat causes the liquid to vaporize and the pressure to rise in the vessel. When the pressure reaches the release pressure of the vessel's pressure safety valve (PSV) the valve will lift and return the pressure in the tank to a safe level and then close. If the external heated source cannot be eliminated, this process will continue. When the liquid level in the tank drops below the level of the flame impingement, the vessel will begin to weaken and will eventually result in a catastrophic failure or BLEVE. BLEVE's are not predictable. The vessel failure may occur within the first few minutes of the impingement or may take several hours.

NOTE: Fires that have potential for becoming a BLEVE would not be considered incipient fires and as such there is to be no approach attempts made for the purpose of attempting to fight the fire.

4.3 Hazardous Product Releases

4.3.1 Gas Release

The first person on scene will:

- Maintain a safe distance from gas release in the upwind or other safe direction.
- Assume the role of Incident Commander until relieved by a more qualified individual.
- Notify the Olds or Local Authorized Control Centre. Provide the following information:
 - Your name, location and contact number.
 - Location of the emergency.
 - Nature of the emergency.
 - Estimated size and/or seriousness of the emergency.
 - Initial indication of the equipment and manpower needed to respond the emergency.
- Don appropriate PPE. Isolate leak if it can be done safely, otherwise evacuate the area.
- Evacuate all personnel from hazard area to upwind or other safe location.
- Evaluate situation and provide information to the Control Centre as it becomes available.
 - Other hazards.
 - Wind direction and speed.
 - Ambient air temperature.
 - Location of release.
 - Product has been released.
 - Size of release. On or off site.
 - Vapour cloud location. Rate of travel.
 - Security and roadblocks.
 - Maintain the area secure until assigned a different duty.

In addition, the Incident Commander will:

- Use all available means of gathering information.
- Dispatch an Investigative Team, if safe to do so.
- Call the PMC 24-Hour Emergency Number.
- Communicate with Operations Section Chief.
- Sound any available alarm. Do not hesitate to muster when situation is unclear.
- Account for all personnel on site.
- Alert other personnel in area about nature and location of incident and, if necessary, isolate the area and evacuate non-essential personnel to a safe area.
- Determine the Level of Emergency. (Refer to the *Section 1*)
- Assign a Documentation Unit Scribe/Aide.
- Notify the Regulator and other appropriate agencies as required.
- Ensure own safety and that of fellow responders; work closely with the Site Safety Officer, if assigned.
- Initiate defensive (e.g., vacate area) and/or, if qualified, initiate offensive response actions (e.g. isolate, depressurize) consistent with the level of expertise and training, knowledge of problem(s) and understanding of hazards.

- Make decision on what processes to shut down, which valves to close, etc.
- Communicate with On Site Personnel to evaluate situation on ongoing basis.
- “Size up” situation to identify problem(s) to be addressed by incident site personnel.
 - Is gas going offsite?
 - Are there ignition sources in area?
 - Will gas supply diminish?
 - Can gas supply be eliminated?
 - Is ignition a safe or better option (Refer to the *Public Protection* Section)?
 - Determine if local residents and businesses are potentially at risk. (Refer to the *Public Protection* Section).
- Refer to Incident Commander Checklist.

4.3.2 Vapour Cloud

The first person on scene will:

- Assume the role of Incident Commander until relieved by a more qualified individual.
 - Evacuate all personnel from hazard area.
 - Move to a safe area immediately.
 - Move upwind if release is downwind of your location.
 - Move crosswind if release is upwind of your location.
 - Move to higher ground if possible.
 - Sound the alarm.
 - Assess the situation to ensure personal and others’ safety.
 - Account for all personnel.
 - Consider other hazards.
 - Protect yourself by donning appropriate Personal Protective Equipment (PPE) as required before attempting a rescue.
 - Move victim(s) to a safe area and administer first aid as necessary.
 - Request emergency medical services, as required.
 - Arrange transport of victim to medical aid.
 - Provide information to Emergency Medical Services (EMS).
 - Determine need for backup or outside resources.
 - Notify the Olds or Local Authorized Control Centre and direct Supervisor.
 - Document all information by completing the required forms in the Forms Section.
 - Isolate the source of the leak, provided there is no danger to life in doing so.
 - Establish roadblocks to prevent any unauthorized personnel from entering the incident site and monitor air quality at roadblocks.

In addition, the Incident Commander will:

- Call the PMC 24-Hour Emergency Number.
- Account for personnel on site.
- Ensure all potential sources and concentrations of product are identified on site.
- Ensure required communication occurs between internal and external people.

- Ensure appropriate air quality monitoring is taking place.
- Request additional resources, as required.
- Ensure evidence is documented and secured for investigation.

Vapour clouds are formed when a hydrocarbon or other material is released to the atmosphere. The release can occur as a vapour jet, a liquid jet, or a liquid spill. The type of release affects the characteristics of the vapour cloud.

The vapour jet is formed when a leak occurs on a service that is operating at a pressure that is lower than the vapour pressure of the fluid at the given operating temperature. When a leak occurs, the vapour is expelled at a velocity that is dependent upon the pressure of the system. The higher the operating pressure, the higher the velocity. At relatively high pressure, this velocity approaches the speed of sound.

Liquid jets occur when a leak occurs on a system that is operating at a pressure above the vapour pressure of the fluid at the given operating temperature. Liquid is released and a portion will vaporize if the normal boiling point of the material is below ambient temperature. In addition, as the liquid droplets mix with air and contact the ground, additional liquid will vaporize due to heating from these media. The pool that forms on the ground will continue to vaporize as it absorbs heat from the ground.

The liquid pool is formed when a leak occurs on a service that has a vapour pressure that is lower than the atmospheric pressure at the ambient temperature. The fluid spills to the ground and will begin to evaporate. The rate of evaporation is dependent upon the vapour pressure of the fluid at the ambient temperature – the higher the vapour pressure, the higher the rate of evaporation – and characteristics of the surface on which it spills. The vapour that is formed will produce an explosive mixture in the vicinity of the spill.

Vapour Plume Management

A vapour plume is the visible cloud or fog of hydrocarbon vapours emanating from an HVP piping leak site. It is a result of the hydrocarbon vapours condensing moisture out of the surrounding air. The visible vapours do not necessarily determine or indicate the extent of the hydrocarbon vapours. On a windy dry day, the visible portion may only exist for a short distance while on a calm day it will be visible for a much greater distance.

The size of the leak and normal operating pressure on the line may also be a large factor in the size of the plume. A large break on a small line will produce a large cloud for a short time period after which it will reduce to the steady “boil off period”. If the line is large this “boil off period” may last several days.

It should be noted that the actual size and safe limits of a plume’s boundary would only be determined by using a combustible gas detector.

4.3.3 Pipeline Release

The first person on scene will:

- Assume duties of Incident Commander until relieved by a more qualified individual.
- Contact Control Centre to provide information, giving an initial assessment including location, area potentially affected and other hazards. Provide the following information:
 - Your name, location and contact number.
 - Location of the emergency.
 - Nature of the emergency.
 - Estimated size and/or seriousness of the emergency.
 - Initial indication of the equipment and manpower needed to respond to the emergency.
- Don appropriate PPE.
- Determine leak location, maintaining safe distance from the release in the upwind direction. Use gas detection to ensure safe distances.
- Eliminate all sources of ignition.
- If safe to do so, isolate leak (e.g. close manual valves).
- Alert personnel in area and control access to area.
- Evacuate all non-essential personnel from hazard area.
- Evaluate situation and convey information to the Control Centre on an ongoing basis.
 - Other hazards
 - Wind direction and speed.
 - Ambient air temperature.
 - Location of release.
 - Product released.
 - Size of release. On or off site.
 - Vapour cloud location. Rate of travel.
 - Security and roadblocks.

An investigative team may:

- Ensure team members are properly equipped, including:
 - Vehicle
 - Radio or telephone
 - Monitors and/or explosion meters
 - Flare gun and flares
 - Danger/ warning markers
- Travel to incident scene; observe safe approach guidelines.
- Ensure own safety and safety of all responders.
- Obtain the status of the incident from the Control Centre before approaching the leak.
- Advise the Control Centre of safe routes to leak area.
- Confirm that the Control Centre has shut down the pipeline section or system, if appropriate, and/or has remotely closed valves in the suspect location.
- Approach the leak from an upwind direction, if possible, using explosion meters and/or LEL monitors
- Check any buildings within the vicinity of the leak and evacuate any persons potentially in danger.
- Determine the extent of the danger area and if the hazard can be reduced by ignition.
- Maintain communications with the Control Centre.
- Maintain watch over leak area and warn person(s) away from danger.
- Locate suitable locations along pipeline for stopple installations on each side of leak. Locations must have regard for safe working condition, access and location of existing valves.
- Give direction to emergency crew to excavate for stopple installations.
- Request additional support or resources as needed.

In addition, the Incident Commander will:

- Travel to incident scene; observe safe approach guidelines.
- Call PMC 24-Hour Emergency Number.
- Notify the Regulator and other appropriate agencies as required.
- Account for all personnel on site.
- Ensure own safety and safety of all responders; work closely with Safety Officer.
- Determine the Level of Emergency. (Refer to Section 1).
- Assign a Documentation Scribe/Aide.
- Alert other personnel in area about nature and location of incident and, if necessary, establish an Isolation Perimeter and evacuate non-essential personnel to a safe area outside the perimeter.
- “Size up” situation to identify problem(s):
 - Is product going offsite?
 - Are there ignition sources in area?
 - Will energy supply diminish?
 - Can source be eliminated?
- Determine if local residents and businesses are potentially at risk.

- Determine type and level of security needed to maintain Isolation Perimeter.
- Develop solutions to problems and delegate work that needs to be done into manageable tasks.
- Place additional personnel and resources on standby, if required.
- Compile and maintain appropriate documentation.

Third Party Identification of a Potential Pipeline Release/Leak

- Establish/record details of incident from caller or SCADA/Leak detection system.
- Record the following information:
 - Caller's name, phone number, incident location (including LSD, if available), date and time.
 - Pipeline damage, vapour cloud, fire explosion, natural disaster or terrorist activity.
 - Conditions (burning, blowing, cloud), wind direction and speed.
 - Parties notified: Police, Fire Department, and Municipalities.
 - People on site, injuries.
 - Immediate danger to; town, farm, residence, industry, traffic.
- In the case of a vapour cloud, inform the caller of dangers, advise to evacuate the area.
- Only if safe to do so, and if possible, request caller to remain in contact until pipeline personnel arrive.

Shutdown and Isolation Procedures

Refer to the **Pipeline Control Centre Event Checklist** for additional guidance on shutdown actions.

- Immediately shutdown injections into pipeline and all pumps upstream of incident.
- Continue with deliveries upstream and downstream and run downstream pumps until pressures are as low as possible at incident location.

4.4 Spill or Leak

4.4.1 Spills

The first person on scene will:

- Assume the role of Incident Commander until relieved by a more qualified individual.
- Assess the situation to ensure personal and others' safety. Consider other hazards.
- Sound alarm and evacuate all personnel from hazard area, consider the following:
 - Move to a safe area immediately.
 - Move upwind if release is downwind of your location.
 - Move crosswind if release is upwind of your location.
 - Move to higher ground if possible.
- Protect yourself by donning appropriate Personal Protective Equipment (PPE) as required before attempting a rescue.
- Move victim(s) to a safe area and administer first aid as necessary.
- Determine need for backup or outside resources. Contact emergency services as needed (911, where available).
- Notify the Olds or Local Authorized Control Centre to provide information, giving an initial assessment including location, area potentially affected and other hazards. Provide the following information, if available:
 - The location of the leak.
 - The nature of the substance being released.
 - An estimate of the size and seriousness of the leak.
 - Indication of the equipment and manpower needed to control the release, and the action planned prior to additional staff arrival.
- Establish roadblocks to prevent any unauthorized personnel from entering the incident site and monitor air quality at roadblocks.
- Use barricades and/or flagging to secure the area, if necessary.
- Implement control procedures to minimize the impacts. For a spill utilize the appropriate absorbents and/or berms downstream of the impacted area and only once safe to do so.
- Document actions on an ICS 201.

In addition, the Incident Commander will:

- Call the PMC 24-Hour Emergency Number.
- Account for personnel on site.
- Ensure all potential sources and types of products are identified.
- Ensure appropriate air quality monitoring is taking place.
- Ensure required communication occurs between internal and external people.
- Ensure evidence is documented and secured for investigation.

Initial Response to a Spill

A hazard assessment must be completed prior to conducting tactical operations and appropriate safety measures put into place. The Incident Commander directs the immediate isolation of the source and containment of the spill as long as there is no immediate danger to health or safety. The containment may include closing or blocking culverts, temporary ditching or berms and using absorbents. The IC will also ensure an Emergency one-call is placed before any possible ground disturbance.

Possible spill impacts must be assessed, including areal extents. Aerial overflights should be established as soon as possible. Specific tactical measures to respond to spills can be found in the WCSS Spill Response Manual.

The emergency phase of a spill response will continue until all parties in Unified Command agree there is no further risk to people, property and the environment. At this time, remediation and restoration activities may still be underway, but will become a project rather than an emergency response.

Spills - Waterway

Always approach a spill with caution, from upwind and uphill, testing with a gas detector. A specific plan of action must be implemented when a leak is reported to be near or into a body of water. The immediate priority when tactically responding to spilled product in or near water is to prevent migration. Containment, recovery and storage tactics must be established as quickly as safely possible. The fate and behavior of the product will have an impact on response measures and thus should be assessed as early as possible.

Immediate actions will include:

- Public and official authorities downstream from the leak shall be contacted and informed of the situation. They may also be invited as a Stakeholder or member of Unified Command if they are providing response resources.

Containment of Natural Gas Liquids (NGL) mix when spilled in a waterway is not safe, nor feasible. These products are typically flammable and explosive and should not be contained to a pooled area. Feasibility wise, the nature of the liquid, rapid evaporation and low film strength will not permit absorption or the use of a floating dam to contain it.

Spill - Land

Always approach a spill with caution, from upwind and uphill, testing with a gas detector. Keep sources of ignition away from the area covered by the vapour. Special caution must be used downwind and downhill from the spill as liquid spills will spread and pool in low lying areas.

The appropriate tactical response measures to contain, recover and store spilled product should be developed at the time and are dependent on the situation. Recovery should not begin until storage and/or transport is arranged.

Depending on the specific product, the fate of the spill will vary and must be assessed in order to maximize response efforts.

NGL Mix Spilled In Waterway

Leaking natural gas liquid mix will boil into the atmosphere creating a vapour cloud that will, if trapped in a valley, move downwind. The cloud of vapour is extremely volatile and the outer fringes may be at, or near, the lower explosive limit (LEL).

- All sources of ignition in the path of the vapour cloud shall be eliminated.
- The cloud of vapour shall be monitored from upwind until it is obvious that it has dispersed into the atmosphere. The refrigerating effect of the rapid boiling and gas expansion can freeze the soil surrounding the pipe. The amount of freezing is directly related to the size and movement of the body of water and the severity of the rupture.
- Plume ignition must be considered as a tactical response and only carried out once approved by the Incident Commander and by trained personnel.

4.4.2 Leaks

- Immediately and safely shut down the source.
- All shut-down procedures to be recorded and confirmed before work commences at the accident site.
- Implement emergency action plan for the isolated section.
- Dispatch fully equipped contract crews.
- Dispatch resources including bulldozers, backhoes, air compressors, as the need requires. Ensure One-Call has been completed and responded to prior to any ground disturbance and crossings.

Small Leak

A small Leak of NGL will not usually present a significant hazard in an open area where the liquid is vaporizing as it leaks and the vapours are dispersing in the air as they form. A small leak of this substance may cause a hazardous condition if the vapours collect in a confined space in quantities sufficient to form a flammable mixture.

Response Actions

- PMC personnel dispatched to leak area.
- Outline a safe perimeter around the leak and set up necessary road blocks.
- Determine if evacuation is necessary.
- Determine and carry out repair.
- Arrange for surveillance of any temporary repair until permanent repairs are completed
- Arrange for permanent repairs and area clean up.

Medium Leak

A leak of a size such that the vapour does not disperse within a small area creates a very hazardous condition. The cold vapour, heavier than air, will tend to flow downwind and into depressions and form a flammable mixture with air.

The area downwind of a leak of adjacent lower areas should be approached only with an explosion meter to avoid flammable concentrations of vapour mixtures.

If a quantity of liquid has escaped and vapourizes, all sources of ignition, such as car and truck engines, must be kept well away from the probable hazardous area.

Response Actions

- Contact Control Centre to shut down pipeline.
- Investigate leak, report the conditions.
- Outline a safe perimeter around the leak and set up necessary road blocks.
- Call the PMC 24-Hour Emergency Number.
- Advise local police, request assistance to control people in the area. Direct police to site with a safe approach route.
- Approach leak site from upwind.
- Determine if evacuation is necessary.
- Determine if the hazard can be reduced by igniting the vapour. Plume ignition may only be carried out by trained personnel.
- Advise the Emergency Operations Center (EOC) of proposed actions including ignition decision and repair plans.
- Maintain communications with all affected parties.
- Carry out all possible safety measures. Arrange for surveillance of any temporary repair until permanent repairs are completed.

Large Leak

A large leak of NGL may be caused by damage to the pipe by external sources. This can quickly be detected at the Control Centre due to volume balance upset and changes in operation pressures. The Leak Detection Model should detect a large leak within minutes of its occurrence. Such a leak will also probably be reported from the site.

There will be an immediate outflow of liquid at the failure followed by intermittent slugs of liquid and vapour. About one-third of the liquid will flash into vapour. The remainder will form a pool of super cooled liquid and vapourize as rapidly as the heat flow from the surrounding air and ground will permit.

If the flammable vapour-air plume formed at the leak has not ignited, it will have reached its greatest size within the first half hour from the time the leak occurred. Every effort should be made to prevent ignition of the vapour-air plume until the line fill available to the leak is depleted and the plume becomes diluted below the lower flammability limit.

Response Actions

- Shut down equipment with leak and close remotely operated valves upstream from leak.
- Investigate leak, report the conditions.
- Outline a safe perimeter around the leak and set up necessary road blocks.
- Notify PMC 24-Hour Emergency Number
- Advise local police, request assistance to control people in the area. Direct police to site with a safe approach route.

- Approach leak site from the windward direction.
- Determine if evacuation is necessary.
- Determine if the hazard can be reduced by igniting the vapour from the leak following evacuation of the area. Plume ignition may only be carried out by trained personnel.
- Advise Emergency Operations Center (EOC) of proposed actions including ignition decision and repair plans.
- Maintain communications with all affected parties.
- Carry out all possible safety measures. Arrange for surveillance of any temporary repair until permanent repairs are completed.

4.5 Transportation of Dangerous Goods

Transport Canada develops safety standards and regulations, provides oversight, and gives expert advice (through the Canadian Transport Emergency Centre — CANUTEC) on dangerous goods accidents to promote public safety in the transportation of dangerous goods by all modes of transport in Canada.

In the event of an emergency involving dangerous goods, call CANUTEC at 1-888-CANUTEC (226-8832); 613-996-6666 or *666 on a cellular phone. CANUTEC is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada.

4.5.1 Trucking / Rail

The first priority following any must be the health and safety of all persons involved. The response will depend on the incident and resources readily available, and include the administration of:

- Securing the scene (prevent access, further injury or damage and to assist with investigation).
This OHS regulation
- Provide first aid or CPR.
- Use of small-scale fire suppression.
- Execute evacuation.
- Shut-down equipment.
- Notify responders-police, fire, ambulance.
- Notify company representatives.
- Notify additional responders ERAC, CANUTEC, or Chemtrec, as required.

Drivers are responsible to have responder contact information for transportation jurisdictions.

Packing Group information (refer to the product MSDS) may be required for emergency response planning.

Incidents involving rail transportation will be jointly managed by both the product consignor and transporter (rail operator) as applicable.

Once the situation is secured, additional assistance may be sought as required. The ERP notification procedures may be initiated based on the corporate assessment.

Vehicle Incident

The first person on scene will:

- Assume the role of Incident Commander until relieved by a more qualified individual.
- Assess the situation to ensure personal and others' safety.
- Determine the necessary Personal Protective Equipment (PPE) needed to safely carry out response actions.
- Shut off all ignition sources if safe to do so.
- Evacuate non-essential personnel from hazard area.
- Administer first aid as necessary.
- Determine need for backup or outside resources. Contact emergency services as needed (911, where available).

- Contact immediate supervisor giving an initial assessment including location, area potentially affected, injuries and other hazards.
- Gather names/addresses/phone numbers of any witnesses.
- Establish roadblocks, if necessary.

In addition, the Incident Commander will:

- Call the PMC 24-Hour Emergency Number.
- Account for personnel on site.
- Ensure required communication occurs between internal and external people.
- Establish and maintain a secure incident scene.
- Request additional resources, as required.
- Complete the appropriate documentation.
- Ensure evidence is documented and secured for investigation
- Review Incident Commander Checklist.

4.5.2 Emergency Response Guidebook (ERG)

The Emergency Response Guidebook (ERG) was developed jointly by Transport Canada (TC), the U.S. Department of Transportation (DOT), the Secretariat of Transport and Communications of Mexico (SCT) and with the collaboration of CIQUIME (Centro de Información Química para Emergencias) of Argentina, for use by fire fighters, police, and other emergency services personnel who may be the first to arrive at the scene of a transportation incident involving dangerous goods.

The ERG was last updated in 2020 and is primarily a guide to aid first responders in quickly identifying the specific or generic hazards of the material(s) involved in the incident, and protecting themselves and the general public during the initial response phase of the incident.

This guidebook will assist responders in making initial decisions upon arriving at the scene of a dangerous goods incident. It should not be considered as a substitute for emergency response training. The ERG does not address all possible circumstances that may be associated with a dangerous goods incident. It is primarily designed for use at a dangerous goods incident occurring on a highway or railroad.

To view the ERG - 2020: <https://www.tc.gc.ca/eng/canutec/emergency-response-guidebook.html>

4.6 Natural Disasters or Severe Weather

(Including a grass fire, forest fire, flooding, tornado or thunderstorm)

The first person on scene will:

- Assume the role of Incident Commander until relieved by a more qualified individual.
- Assess the situation to ensure personal and others' safety.
- Evacuate personnel from hazard area.
- Administer first aid as necessary.
- Determine need for backup or outside resources. Contact emergency services as needed (911, where available).
- Notify the Olds or Local Authorized Control Centre to provide information, giving an initial assessment including location, area potentially affected and other hazards.
- If dealing with fire, ensure backup is present or en route before attempting to contain or control the fire.
- Assess risk of controlling an incident with available personnel and equipment, execute if risk is deemed low.
- If alerted of severe weather patterns seek shelter and remain indoors, if possible.

In addition, the Incident Commander will:

- Call the PMC 24-Hour Emergency Number.
- Account for personnel on site.
- Ensure required communication occurs between internal and external people.
- Implement control procedures to minimize impact including deciding what gets shut in or isolated or when the facility should be evacuated.
- Request additional resources as required.
- Ensure evidence is documented and secured for investigation.
- Review Incident Commander Checklist.

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4.7 Next-of-Kin Notification

When an employee, contractor or member of the public is seriously injured, missing or pronounced dead, the next of kin must be notified as promptly as possible.

Responsibility for Notification

Employee	Notification of an employee’s next of kin is the responsibility of the RCMP or local police. The Incident Commander will designate a PMC representative to participate in the notification.
Contractors	Notification about contractors should be made by the RCMP or local police together with the employer. The Incident Commander will ensure that the contractor’s management is notified. Some independent contractors may not have a head office. In such cases, the Incident Commander will designate a PMC representative to participate in the notification.
Public	If a member of the public is injured or killed as a result of PMC operations, notifications will be coordinated through the RCMP or local police.

Consider involving the PMC Human Resource department for additional and ongoing support.

Before Notifying the Next of Kin

- Never release names before the next of kin are notified.
- Whenever possible, a senior company representative will participate with the RCMP, or local Police.
- Be prepared to support the next of kin. Consider assistance such as transportation, child care, alternative accommodation, reimbursements for daily expenses and the temporary care of the family home if required.
- Make the notification in person, not by telephone or through an intermediary.
- Provide the relatives with as much information as possible. Present only the facts; do not speculate.
- Do not discuss personal views of liability or fault.
- Be prepared to listen to what people are saying. Allow the next of kin to vent their emotions.
- Attempt to support and reunite families as quickly as possible.
- Offer assistance; document key issues and concerns.
- Document the details of anyone who appears to be having trouble coping with the incident so that he / she can be given prompt support.
- Do not leave the next of kin alone.
- Offer to contact a neighbour, friend, relative, minister, doctor or counsellor.
- Leave your name and telephone number with family members

4.8 Security Incidents

4.8.1 General Security Response Actions

To activate a response to a security incident refer to the Security Threat Response Plan (STRP) Standard or Security Procedures & Security Plans.

Security Procedures and Plans listed below provide detailed response measures. Standards, Procedures & Plans are available on PMC MyPlains (2.9 Security Sharepoint Site and/or Policies and Governance).

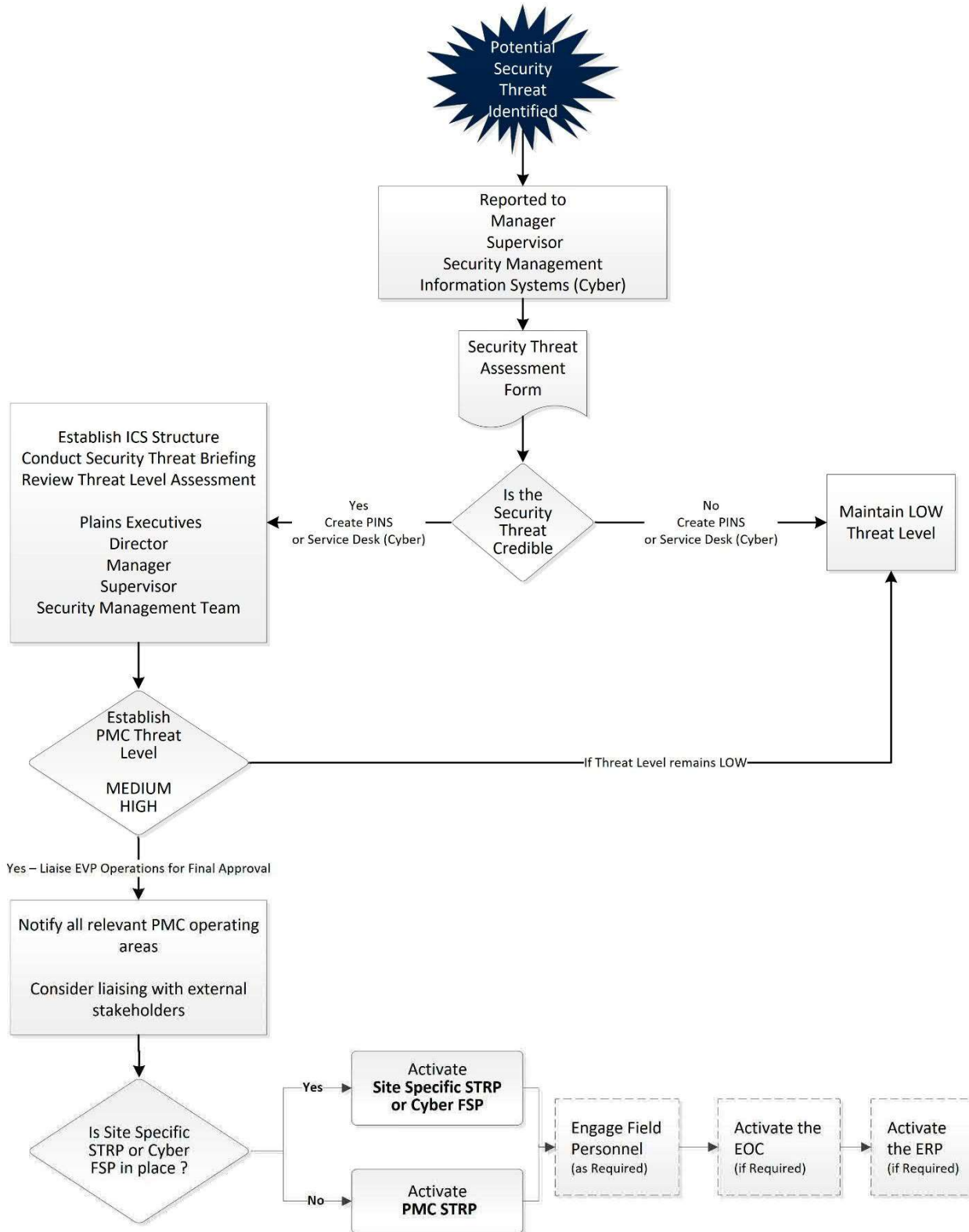
Security Procedures & Security Plans

- Bomb Threat Procedure
- Suspicious Activities Procedure
- Suspicious Package Procedure
- Civil Disturbance Procedure
- Terrorism Procedure
- Theft Procedure
- Unauthorized Entry Procedure
- Vandalism Procedure
- Workplace Violence Procedure
- Security Incident Procedure
- Control System – IT Attack Procedure
- Cyber Security Incident – Functional Support Plan
- Site Specific Security Threat Response Plans

Initial Actions

- Review Figure 1: STRP Activation process map below or in the STRP Standard
- Begin documenting on the Security Threat Assessment Form (Refer to 8.1 in Security Threat Response Plan Standard) and on the **ICS 201** Incident Briefing Form (*Refer to Section 6: Forms in ERP*)
 - Record initial incident details (Type of Incident, location, personnel, communications, response details, etc.)
 - Record initial response objectives and strategies to achieve incident priorities

STRP Standard – Figure 1: STRP Activation



Note: Activate countermeasures as per threat levels

4.9 Dams (Brine Ponds)

4.9.1 Potential and Imminent Emergencies

Potential Flood Emergency

When an abnormal condition is observed at the brine ponds or the brine ponds performs abnormally and, without swift and effective intervention, the condition could deteriorate and lead to brine ponds breach.

Imminent Flood Emergency

When the brine ponds have failed, or there is a severe abnormal condition that has a significant probability of leading to a brine ponds breach.

Drawdown procedures:

As required, in a potential or imminent flooding situation, begin drawdown operations of the pond level in a controlled manner by:

Activating the appropriate discharge pumps for the control structure affected, as required:

- If water is being transferred to an injection well or back to the cavern, notify the applicable personnel of the transfer.
- If transfer is initiated to another pond, monitor the level of that pond.
- Operate pump and discharge line
- Monitor pump and discharge lines for proper operation
- Continue frequent monitoring of structures, embankments and water levels for unusual or changed conditions.
- Restrict access along roads threatened by a potential flood emergency.

A Brine Pond Breach or potential Brine Pond Breach at a site may present the following hazards:

4.9.2 Potential Abnormal Conditions

Water Levels Above Normal High Operating Level

In case of high inflows due to a condition that could cause brine pond levels to rise higher than the normal maximum operating level, the following procedures shall be followed:

- Initiate drawdown procedures
- Inspect the brine pond toe and abutments of the brine pond for any new seeps, an abnormal increase in quantities of seepage, or any indication of muddy/silty/cloudy flow.
- Inspect the dykes for signs of slope instability, such as slumps, cracking, settlement and any new deformity or misalignment, however unlikely
- Continue frequent monitoring of structures, embankments and water levels for unusual or changed conditions.
- Restrict access along roads threatened by a potential flood emergency.
- Put resources (personnel and heavy equipment) on standby or mobilize resources or and equipment to the site, to repair damages

Slumping or Cracking of Brine Ponds

In case of slumping or cracking, the following shall be determined and/or conducted:

- Location of the slumping or cracking.
- Size and severity of affected area(s) in height, width and depth.
- Estimated leakage discharge (clear or muddy/silty/cloudy) and reservoir and elevations.
- Report findings, or threats of imminent flood
- Whether the brine pond needs to be drawn down with injection pumps.
- Whether to undertake shelter-in-place, a site or an EPZ evacuation.
- Put support services (personnel and heavy equipment) on standby or mobilize resources to repair damages in the pond embankment, as required.
- Continue frequent monitoring of structures, embankments and water levels for unusual or changed conditions. Implement appropriate additional response actions as necessary.
- Restrict access along roads threatened by a potential flood emergency.

Failure of Operating Equipment

In case of failure of operating equipment at the water control structure, the following shall be determined and/or conducted:

- Probable cause of failure, durations and effects on water control structure operation.
- Whether immediate assistance is required to remedy the problem.
- Whether temporary replacement or temporary alternatives are available.
- Report findings, including imminent deteriorating conditions, and assess the potential impacts of the situation on site operations and all stakeholders (public and private).
- Determine whether the brine pond needs to be drawn down with injection pumps.
- Decide whether to undertake shelter-in-place, a site or an EPZ evacuation.
- Activate brine pond pumping equipment, or if that has failed, alternate pumping equipment.
- Continue frequent monitoring of structures, embankments and water levels for unusual or changed conditions. Implement appropriate additional response actions as necessary.
- Restrict access along roads threatened by a potential flood emergency.

Springs, Seeps or Soft Areas

In the event of the development of new springs, seeps or soft areas, or any changes in the condition of existing areas, the following shall be determined and/or conducted:

- Location of the spring, seep or soft spot.
- Size of affected area.
- Estimated leakage discharge rate.
- Nature of the discharge (whether clear or muddy/silty/cloudy water).
- Brine pond elevation.
- Report findings and assess the potential impacts of the situation on site operations and all stakeholders.

In the event of rapid increase or muddy/silty/cloudy appearance in seepage, the following shall be done immediately to stabilize the berm:

- Notify area leadership especially in the event of imminent deteriorating conditions.
- Cover the areas with filter fabric.
- Ballast filter fabric with a thick layer of gravel or free draining material.
- Consult with additional technical experts, as required, to evaluate and stabilize the berm.
- Decide whether to begin drawing down the pond level in a controlled manner, as required.
- Put support services and/or resources (personnel and heavy equipment) on standby or mobilize resources or and equipment to the site, to repair damages in the pond embankment, as required.
- Continue frequent monitoring of structures, embankments and water levels for unusual or changed conditions. Implement appropriate additional response actions as necessary, based on changing conditions.
- Consult with civil/dam consulting/engineering firm to develop next steps

Abnormal Instrumentation Readings

In the event of abnormal instrumentation readings, the following shall be determined and/or conducted:

- Interstitial space (between the pond liner and secondary containment) to get no levels, unless it's rained.
- Whether the pond level (pond level stick readings) has changed significantly.
- Ensure a visual inspection the brine pond levels has occurred.
- Put support services and/or resources (personnel and heavy equipment) on standby or mobilize resources or and equipment to the site, to repair damages in the pond embankment, as required.
- Consult with civil/dam consulting/engineering firm to develop next steps

SECTION 5: Communications, Media & Public Engagement

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SECTION 5: Communications, Media & Public Engagement

The development and implementation of timely, strategic and effective communications during an incident is critical to protect employees, responders, the public and Plains' reputation.

The Incident Commander (IC) is responsible for establishing communication among the Incident Management Team (IMT) in the Incident Commanded Post (ICP), and ensuring that communication is clear, effective and timely. The Incident Director (ID) is responsible for establishing communication amongst the Incident Support Team (IST) in the Emergency Operations Centre (EOC), and ensuring that communication is clear, effective and timely. The IC connects with the ID to establish a line of communication between the two teams.

The Liaison Officer is responsible for communicating with government, regulatory and local agencies involved in the response, and obtains support from the Liaison Manager in the IST, as required.

The Operations Section Chief supervises tactical planning and Emergency Planning Zone (EPZ) activities to maximize public protection (including communication of EPZ information to the directly affected members of the public) and, as required, obtains support from the Operations Manager in the IST.

Plains supplies the communications systems and equipment required to allow for communication between the ICP and the following response personnel and operation centres:

- Evacuation, roadblock and air monitoring personnel
- Staging Area
- Reception Centre
- Plains EOC

Communications equipment will be dependent on the logistics associated with the incident, local cellular coverage and availability of land lines.

Public Information Officer (PIO) and Crisis Communications

The Public Information Officer (PIO) gathers incident information and implements Plains' communication strategy (internally and externally) to interface with media and vital stakeholders. The PIO also supports the communications efforts within the ICP, including the development of messages for positions such as the Liaison Officer and Public Protection Branch.

The IC assigns the PIO at the onset of the emergency. Ideally, the PIO position is filled by a member of the Crisis Communications Team or designated company spokesperson.

The PIO is assisted by the Public Information Manager (PIM) in the IST. The PIO and the PIM coordinate their activities to ensure that all stakeholders and Plains employees are informed about the incident using various tools and channels.

5.1 Crisis Communications Team Support

The PIO determines requirements for crisis communications support. This may include introducing additional crisis communications team members to assist with:

- Development and execution of communications activities and materials
- Public Protection measures, such as supporting roadblocks and reception centres
- Site tours for regulatory, government or media representatives
- Working with local agencies in the dissemination of public notifications
- Press conferences and media availabilities
- Community meetings and open houses
- Development and activation of various communication tools
- Activation of media monitoring and public sentiment

5.2 Information Collection Requirements

The goal of communications during a crisis is to protect those involved, which can be accomplished by governing the messages received by the public through various channels, including the media.

To gain and maintain control of the message, critical and factual information must be collected and provided to the PIO or PIM to be shared during an incident. The information in the charts in section 5.2.2 will be used to inform the appropriate individuals/agencies and to produce materials, including media holding statements, public protection branch scripts, evacuation or shelter-in-place notifications and reception centre fact sheets.

5.2.1 Information Collection Sources

Necessary information can be collected via documentation, tools and intelligence from the Planning Section and/or other responders in the ICP (or Virtual Incident Command Post). Relevant forms include:

- ICS 201 – Incident Briefing Form
- ICS 202 – Incident Objectives
- ICS 204 – Assignments List
- ICS 207 – Organizational Chart
- ICS 234 – Work Analysis Matrix
- ICS 232 – Resources at Risk
- Initial Response Checklist
- Incident Action Plan (IAP)
- Incident and emergency response maps

5.2.2 Information Collection Checklists

<input checked="" type="checkbox"/>	INCIDENT SPECIFICS	
<input type="checkbox"/>	Time of incident	<input type="checkbox"/> Injuries
<input type="checkbox"/>	Location	<input type="checkbox"/> Illnesses
<input type="checkbox"/>	Product type(s)	<input type="checkbox"/> Fatalities
<input type="checkbox"/>	Asset/facility	<input type="checkbox"/> Control/Stabilization
<input type="checkbox"/>	Cause	<input type="checkbox"/> Product recovery
<input type="checkbox"/>	Quantities	<input type="checkbox"/> Responders on scene
<input type="checkbox"/>	Affected area/EPZ	<input type="checkbox"/> Dangerous hazards
<input checked="" type="checkbox"/>	PUBLIC PROTECTION ACTIONS COMPLETED	
<input type="checkbox"/>	Shelter-in-place	<input type="checkbox"/> Notifications (RESPOND)
<input type="checkbox"/>	Evacuations	<input type="checkbox"/> Reception Center
<input type="checkbox"/>	Rovers	<input type="checkbox"/> Evacuation Center
<input type="checkbox"/>	Roadblocks	<input type="checkbox"/> Air monitoring
<input type="checkbox"/>	Closures/restrictions	<input type="checkbox"/> Water monitoring
<input type="checkbox"/>	Ignition sources	<input type="checkbox"/> Noise abatement
<input checked="" type="checkbox"/>	STAKEHOLDER NOTIFICATIONS COMPLETED	
<input type="checkbox"/>	Indigenous Communities	<input type="checkbox"/> Mutual Aid Groups
<input type="checkbox"/>	Landowners/residents within and outside EPZ	<input type="checkbox"/> Hospitals/medical centers
<input type="checkbox"/>	Businesses	<input type="checkbox"/> Critical service providers
<input type="checkbox"/>	Regulators	<input type="checkbox"/> Industry
<input type="checkbox"/>	Agencies	<input type="checkbox"/> Schools/childcare
<input type="checkbox"/>	Government (county, provincial, federal)	<input type="checkbox"/> Industry Partners

5.3 Regulatory Requirements

The PIO, in conjunction with the PIM and/or Crisis Communications Team, is required to develop a detailed communications plan which may be shared with regulators to outline how and when we will communicate information with affected stakeholders.

The PIO may also be required to engage with the communications teams of regulators, cooperating agencies and/or in a Unified Command to coordinate activities, messages and approvals.

Additionally, detailed communications protocols and plans for emergencies are outlined throughout the Emergency Response Plan.

- **Section 1: Initial Response** – Internal notifications, external notifications and maintaining communications.
- **Section 3: Responder Safety and Public Protection** – Notifications and maintaining communication with members of the public.
- **Section 8: Government Agencies and Local Authorities** – Identifying applicable government agencies and local authorities.
- **Section 9: Area Specific Information** – Contact information for internal personnel, government agencies, local authorities, support services and members of the public.

5.4 Approval Requirements

The PIO leads the development, approval process and distribution of all communications efforts related to the response. The IC has the authority to approve and request distribution of incident-related communications and can delegate this responsibility to the Deputy Incident Commander (DIC). Before any materials or information can be distributed publicly, approval from the IC/DIC is required, and should be approved by the appropriate/available executive and Plains' Legal Team. If in a Unified Command, approvals should be obtained through these Command Staff members or a related delegate.

Sensitive topics (guidelines provided in parentheses)

- **Cause of incident** (Do not speculate as to a cause, an investigation into root cause is required)
- **Volume of release** (Until a definitive number is known, stick with qualified statements and a volume range if needed)
- **Time to complete clean-up and return to service** (Avoid speculation and use appropriately qualified language)
- **Overall cost** (As with volumes, qualify as appropriate)
- **Market/customer impact** (Avoid speculation of market impact, line or facility outage or any mention of customer volumes, commitments or production)
- **Joint Venture assets and agreements** (Do not forget that some assets are joint ventures and an appropriate communications process will need to be followed)
- **Earnings impact from incident** (Do not speculate. Indicate that the company is focused on responding to the incident and will assess any impact to earnings at a later time)
- **Significant/material regulatory implications or actions** -- either directly from an incident or due to several incidents of a similar nature (Avoid speculation; work with regulators proactively)

5.5 Media Policy

The Media Policy applies to all employees, contractors and third-parties who represent Plains.

The policy is in place to:

- Prevent the improper use or disclosure of material, sensitive or confidential information pertaining to company operations and plans.
- Avoid exposing employees, contractors or third-parties to risk that could result from unapproved or inaccurate disclosure of company information via the media or public.

Outlined in the policy is a limited number of spokespeople who have been provided the proper training and granted permission to address the media with approved messages. All others must adhere to the policy and refer media to the Crisis Communications team.

5.6 Media & Public Interaction Guidelines

During an incident:

- Information moves faster
- Everyone has a voice and a camera
- Conversation is amplified
- Information “right now” trumps “right” information
- Emotion often outweighs fact

During an emergency, media and public access to the incident site is strictly prohibited, unless the PIO or an approved designate has received approval from the IC and it is safe to do so.

Depending on the nature and location of an incident, media representatives, social media bloggers, citizen journalists or activists may attempt to contact or approach Plains representatives, including Public Protection Branch members, local response teams, Calgary office personnel, etc.

If approached, direct all inquiries to the PIO at [REDACTED] or [REDACTED]. Media cards for response personnel with contact information will be distributed by the PIO.

If approached by the media or the public:

- Always act polite and professional. Remember, when you are interacting with external audiences, you are representing Plains.
- State you are not the appropriate person to speak with and not a company spokesperson, and direct them to PIO – refer to the media card.
- Assume that the interaction is being recorded and you’re “on camera.”
- Be careful not to deny or confirm information or facts. Simply state that you are not the Public Information Officer and you will immediately redirect their inquiry.
- Never disclose any information about the names of those deceased or injured, or the extent of injuries.
- Be firm – people will press for information. It’s okay to repeat yourself.

- Never use the phrase "No comment."
- Document the individual's contact information and inform your supervisor and the PIO immediately.
- For media representatives, gather the information on the Media Inquiry Form (Section 6: Forms). Forward the Media Inquiry Form or any call back commitments to your supervisor, PIO and [REDACTED] as soon as possible.
- Do not share photos and information regarding the incident online or share sensitive or incident-related information such as pictures, emails or voicemails with family and friends.
- Remember that conversations can be overheard and/or eavesdropped by others, especially in public settings.

5.7 General Media & Public Statements

STATEMENT FOR MEDIA REPRESENTITIVES

I am not a company spokesperson. If you would like more information or to talk to a company representative, I can take your name and contact information and pass it along to our Media Relations team and they will get in touch with you.

You can also email your inquiry to [REDACTED] or call our media line at [REDACTED].

STATEMENT FOR MEMBERS OF THE PUBLIC

I'm not the best person to answer your questions. Our Community Response team is available to provide you with more information.

They can be reached at [REDACTED] or by calling [REDACTED]

5.8 Initial Holding Statements

An integral part of crisis response is the timely development of appropriate and effective communications which share reliable and accurate information. The initial holding statements below is one of the first communication tactics which may be used in an incident and should be completed by the PIO with support from the PIM. The initial holding statement will be reviewed by required parties listed in section 5.3: Approval Requirements.

5.8.1 Pipeline / Facility Release Initial Holding Statement

Pipeline/Facility Release Initial Holding Statement
<p>At approximately _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m. on _____ (date), PLAINS experienced a _____ (type of) release at our _____ (pipeline / facility)</p> <p><input type="checkbox"/> east <input type="checkbox"/> west <input type="checkbox"/> north <input type="checkbox"/> south of _____ (city/town/municipality).</p> <p>We have initiated our emergency response plan, and the (regulator) has been notified. Our staff is working with local first responders on site. Our current priorities are to ensure the safety of all involved, protection of the environment and stabilization of the incident.</p> <p>The cause of the incident is not yet known. We will provide additional updates as information becomes available.</p> <p>If you have a media inquiry, please contact _____ or call our media line at _____</p> <p style="text-align: right;">Approved by Incident Commander: _____</p> <p style="text-align: right;">Date: _____</p> <p style="text-align: right;">Time: _____</p>

5.8.2 Non-Spill Initial Holding Statement

Non-Spill Initial Holding Statement
<p>At approximately _____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m. on _____ (date), a _____ (type of incident) occurred/was reported at PLAINS _____ (pipeline / facility) <input type="checkbox"/> east <input type="checkbox"/> west <input type="checkbox"/> north <input type="checkbox"/> south of _____ (city/ town/municipality).</p> <p>We have initiated our emergency response plan, and the (regulator) has been notified. Our staff is working with local first responders on site. Our current priorities are to ensure the safety of all involved, protection of the environment and stabilization of the incident.</p> <p>The cause of the incident is not yet known. We will provide additional updates as information becomes available.</p> <p>If you have a media inquiry, please contact _____ or call our media line at _____.</p> <p style="text-align: right;">Approved by Incident Commander: _____</p> <p style="text-align: right;">Date: _____</p> <p style="text-align: right;">Time: _____</p>

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	<i>Public Protection Forms</i>	
	<i>WCSS Ice Safety Plan</i>	

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SECTION 6: Forms

6.1 Form Index

Form	Description
Government First Call Communication Form	
Executive Update Form	
AER Release Reporting Form	
Security Threat Assessment Form	
ICS Forms	
Incident Action Plan (IAP) Cover Sheet	
ICS 201	Incident Briefing
ICS 202	Incident Objectives
ICS 203	Organization Assignment List
ICS 204	Assignment List
ICS 204a	Assignment List Attach
ICS 205	Incident Radio Communication Plan
ICS 205a	Communications List
ICS 206	Medical Plan
ICS 207 (IMT)	IMT Organizational Chart
ICS 207 (IST)	IST Organizational Chart
ICS 209	Incident Status Summary
ICS 210	Status Change
ICS 211e	Check-in List (Equipment)
ICS 211p	Check-in List (Personnel)
ICS 213	General Message
ICS 214	Unit Log
ICS 214a	Individual Log
ICS 215	Operational Planning Worksheet
ICS 215a	IAP Safety Analysis
ICS 220	Air Operations Summary
ICS 221	Demobilization Check Out
ICS 230	Daily Meeting Schedule
ICS 231	Meeting Summary
ICS 232	Resources at Risk Summary
ICS 233	Incident Open Action Tracker
ICS 234	Work Analysis Matrix
ICS 234 Example	Work Analysis Matrix Example
Public Protection Forms	
Air Monitoring Form	
Resident Notification Form	
Resident Registration Form	
Roadblock Form	
Media Inquiry Form	
WCSS	
WCSS Ice Safety Plan	

NOTE: For additional employee guidance and tools for initial response activities, please refer to the Plains Initial Response Guidebook.

(For copies please request through [REDACTED])

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6.2 Government First Call Communication Form

PMC has adapted the Alberta Energy Regulator (AER) First Call Communication Form to create the Government First Call Communication form. This is to be utilized by PMC personnel for the collection of essential incident details in all operating areas.

General Incident Information		
Regulator contact:	Agency:	Field centre:
Licensee:	Caller:	Phone:
E-mail address for release report:		
License #:	Pipeline line #:	Approval #:
Incident location: ___/___/___/___ W ___M		
Emergency level:		
Serious event? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, what kind of serious event? <input type="checkbox"/> Blowout <input type="checkbox"/> Explosion <input type="checkbox"/> Fire <input type="checkbox"/> Other control loss <input type="checkbox"/> Fracking <input type="checkbox"/> Casing failure		
Land type (jurisdiction): <input type="checkbox"/> Freehold <input type="checkbox"/> First Nations <input type="checkbox"/> Métis <input type="checkbox"/> CFB <input type="checkbox"/> Crown – Disposition #:		
Agencies notified:		Date:
FIRST duty office (DO) contacted: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, date & time DO was contacted:		
DO contact name:		

Release Details			
Volumes			
Substance*	Released (m ³ /10 ³ m ³)	Recovered (m ³ /10 ³ m ³)	Disposal/storage location
* For emulsion, break down oil & water if possible.			
Description of how the release volume was determined and verified (including calculations; e.g., spill length × width × depth):			
Area affected (length × width): m ²			
How was the area affected determined? (Aerial survey, perimeter walk, range finder, samples taken, etc.):			
Who delineated the spill area (environmental technologist, operator, etc.) and what process was used?			

<input type="checkbox"/> Reminded licensee to update the Regulator immediately if release volumes or area changes from what was originally reported		
<input type="checkbox"/> Asked for the immediate submission of photos of the entire spill site to the Regulator and communicated that photos of the cleanup will need to be submitted with the release report.		
Cause of release (suspected or actual)		
Impact		
Release off lease? <input type="checkbox"/> Yes <input type="checkbox"/> No (pipeline right-of-way is off lease)		
If yes, was the landowner notified? <input type="checkbox"/> Yes <input type="checkbox"/> No Name of landowner/agency:		
Release within disposition boundary? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Outside disposition – was leaseholder notified? <input type="checkbox"/> Yes <input type="checkbox"/> No Name of leaseholder:		
If outside disposition, reminded licensee that they will need a TFA.		
Actual incident H ₂ S concentration (if applicable): % / ppm / mol/kmol		
Nearest town:		Distance and direction to town:
Environment affected: <input type="checkbox"/> Air <input type="checkbox"/> Land <input type="checkbox"/> Water		
Distance of release to the nearest water body, watercourse, or waterway:		
How was this distance determined?		
Wildlife/waterfowl/livestock affected: <input type="checkbox"/> None <input type="checkbox"/> Habitat affected <input type="checkbox"/> Animals injured/killed		
Notes/description:		
Confirm how the release has been or will be contained:		
Confirm how the release has been or will be cleaned up:		
Evacuees (#):	People injured (#):	Fatalities (#):
Were members of the public affect? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, indicate if they were		
<input type="checkbox"/> Notified <input type="checkbox"/> instructed to shelter-in-place <input type="checkbox"/> advised to evacuate		

Notes/description:

Media Interest? None Local Regional National

Damage to public property? Minor/no damage Substantial (home covered in oil) Extensive (home destroyed)

Pipeline Specific			
Hit?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Line #:	Test failure? <input type="checkbox"/> Yes <input type="checkbox"/> No
Normal operating pressure:	kPa	Maximum operating pressure:	kPa
Is the pipeline shut in, depressured, and isolated?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, date & time:			
What is the total volume of liquid in the pipeline?			
Are there isolation valves?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, have they been activated?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are there any other pipelines that tie into the failed line?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, have they been shut in/isolated?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Reminded the company to contact the Regulator before excavating the pipeline.			
<input type="checkbox"/> Reminded, advised, or directed the company that the pipeline is not to be returned to service without the Regulators permission.			
Right-of-way (ROW)			
<input type="checkbox"/> Licensee has confirmed when the pipeline ROW and well were last checked. Date:			
How was the ROW surveillance conducted (from the air, by quad, on foot, using infrared, etc.)?			
<input type="checkbox"/> Requested that daily production volumes for the well/pipeline be submitted within 24 hours.			
Investigation information			
What operations are currently taking place (containment, sampling, line locating, retaining contractors/consultants, pipeline excavation, repair, site access, EM survey, etc.)?			

Canada Energy Regulator Event Reporting Form can be found at:

<https://apps.cer-rec.gc.ca/ERS/Contact/Edit>

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6.3 Executive Update Form

1. Incident Name	2. Operational Period (Date/Time) From: _____ To: _____	EXECUTIVE UPDATE
3. Operations:		
4. Environmental		
5. Planning		
6. Other		
7. Prepared by:		Date/Time
EXECUTIVE UPDATE FORM		

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Release Report



Initial verbal notification of the release to the AER is required prior to completing this release report.

General Information	
AER FIS incident no.:	EDGE reference no.:
Date AER notified:	Time: <input type="checkbox"/> p.m. <input type="checkbox"/> a.m. AER contact:
Type of report: Click here for list	Projected date for final report:
Incident date:	Time: <input type="checkbox"/> p.m. <input type="checkbox"/> a.m. Incident location: W
Licensee/Company name :	
Licence no.:	Public lands disposition no.: Click here for list
EPEA approval no.:	Scheme/Permit approval no.: Other AER approval no.:
Form completed by:	Phone number:

Release Volume Details					
If volumes change from what was initially reported, then verbal notification to the AER is required.					
Released Substance*	Volume released	Free Fluids recovered	Shipped to (waste receiver)*	Licence/ approval no.*	Location
	m ³	m ³	Click here for list		W
	m ³	m ³	Click here for list		W
	m ³	m ³	Click here for list		W
Gas	10 ³ m ³				
Release rate:	Duration of release:				
* If the released substance is "Emulsion" the crude oil, produced water, and gas must all be reported separately above.					
* Refer to ST107 for the list of AER-approved oilfield waste management (WM) facilities.					

Waste Recovery Volume Details				
Waste substance	Volume recovered	Shipped to (waste receiver)*	Licence/ approval no.*	Location
Excavated soil/solids removed	m ³	Click here for list		W
	m ³	Click here for list		W
Contaminated surface water and/or snow removed	m ³	Click here for list		W
	m ³	Click here for list		W
Washwater and/or freshwater used	m ³	Click here for list		W
	m ³	Click here for list		W
Vegetation/crop bagged and/or removed	m ³	Click here for list		W
	m ³	Click here for list		W
* Refer to ST107 for the list of AER-approved oilfield waste management (WM) facilities.				
Contaminated soils storage: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> On site <input type="checkbox"/> Off site – If off site, enter location: W				
On-site waste treatment: <input type="checkbox"/> Yes <input type="checkbox"/> No Waste Treatment Description:				

Release Containment Details

Within well/facility lease boundary — Contained to working surface of lease boundary: Yes No

Outside well/facility lease boundary

Release contained by berm: Yes No Release contained by liner: Yes No Liner type (*Directive 055*): [Click here for list](#)

Release onto land/soil: Yes No Surface soil type: [Click here for list](#) Subsurface soil type: [Click here for list](#)

Release Site Details

Land jurisdiction type: [Click here for list](#) Environment affected: [Click here for list](#) Area affected: m²

Within public lands disposition boundary Outside public lands disposition boundary – TFA number:

Distance to closest water body: m Distance to nearest town: km Name of nearest town:

Distance to closest water well: m Distance to nearest permanent dwelling: km

Release Impacts Details

Incident/release H₂S concentration: Unit of measurement: % ppm mol/kmol

Wildlife/livestock affected: [Click here for list](#) Equipment loss: [Click here for list](#)

Emergency response plan (ERP) activated: Yes No

Public affected Public evacuation Number evacuated:

Landowner notified* Leaseholder notified*

WH&S notified* Number of injuries: Number of fatalities:

* [Provide details in Additional Notifications box.](#)

Pipeline Details (fill in for AER-licensed-pipeline incident)

[Pipeline is not to be returned to service without permission from the AER. See \[www.aer.ca\]\(http://www.aer.ca\) for definitions for incident type and cause.](#)

Incident type: [Click here for list](#) Incident cause: [Click here for list](#)

Licence number: Line number: Installation number (if applicable):

Start location: W End location: W ABSA registration number (if applicable):

Associated facility location: W Associated facility licence number:

Test failure Retest segment Pipeline repair pretested Cathodic protection

Type of external coating: Corrosion mitigation/monitoring program:

Normal operating pressure: kPa Maximum operating pressure kPa

Date line shut in: Pipeline returned to service: No Yes Date:

Clean-up/Remediation Details

[All releases must be remediated or managed in a matter satisfactory to the AER.](#)

Clean-up status: [Click here for list](#) **Final cleanup/remediation completion date:**

In-situ remediation implemented

Remediation guidelines used (choose all applicable):

Tier 1 Tier 2 SST SCARG CCME Exposure control

Method of subsurface delineation: Confirmatory samples taken: Number of samples:

Remediation certificate applied for: Yes No

Environmental contractor: Phone number:

Additional Incident Notification Details			
Name of agency/landowner	Person notified / reference no.	Phone number	Date

Incident Details
<p>Submit photos of the incident and cleanup/remediation to the AER. Fill in all text boxes below:</p> <p>Detailed description of circumstances leading up to the release:</p> <p>How release was identified:</p> <p>Steps/procedures taken to minimize, control, or stop release:</p> <p>Steps taken to contain release:</p> <p>If release was on lease steps taken to ensure no migration off lease (including subsurface migration):</p> <p>Description of how release volume(s) was determined and verified (include any calculations used):</p> <p>How the affected area was determined (include any calculations used):</p> <p>Description of environmental impact:</p> <p>Clean-up operation details:</p> <p>Remediation operation details:</p> <p>Release cause: Click here for list</p> <p>Description of root cause:</p> <p>Steps/procedures taken to prevent similar future releases:</p> <p>Additional comments:</p>

Complete all areas (as applicable), with information that is known to be factual. Please do not add any information that has not been verified.

ASSESSMENT FORM COMPLETED BY			
Name: _____	Contact #: _____		
Title: _____	Email: _____		
Date: _____	Time: _____		
OTHERS INCLUDED IN THE ASSESSMENT			
Name: _____	Position & Business Unit: _____		
THREAT REPORTED BY THE FOLLOWING SOURCE			
<input type="checkbox"/> Employee <input type="checkbox"/> Public <input type="checkbox"/> Government Agency <input type="checkbox"/> Police <input type="checkbox"/> Other (describe): _____			
Date: _____	Name: _____		
Contact #: _____	Title: _____		
Time: _____	Email: _____		
Method of Reporting: _____	Business Unit: _____		
TYPE OF THREAT - PHYSICAL			
<input type="checkbox"/> Physical Threat <input type="checkbox"/> ICS/SCADA <input type="checkbox"/> Civil Disturbance <input type="checkbox"/> Mischief <input type="checkbox"/> Cyber <input type="checkbox"/> Verbal Threat <input type="checkbox"/> Suspicious Mail/Packages <input type="checkbox"/> Vandalism <input type="checkbox"/> Interference (blocking access to right-of-way ROW) <input type="checkbox"/> Other (describe): _____			
TYPE OF THREAT - CYBER			
<input type="checkbox"/> Malware <input type="checkbox"/> ICS/SCADA <input type="checkbox"/> Social Engineering <input type="checkbox"/> Ransomware <input type="checkbox"/> DOS <input type="checkbox"/> Breach <input type="checkbox"/> Cloud Related <input type="checkbox"/> Fraud <input type="checkbox"/> Malicious Insider <input type="checkbox"/> Identity Theft <input type="checkbox"/> Weather Related <input type="checkbox"/> Personally Identifiable Information (PII) <input type="checkbox"/> Email Compromise <input type="checkbox"/> Other (describe): _____			
ADVERSARY: PERSON OR GROUP			
<input type="checkbox"/> Resident/Occupant <input type="checkbox"/> Landowner <input type="checkbox"/> Activist <input type="checkbox"/> First Nations <input type="checkbox"/> Employee <input type="checkbox"/> Protestor <input type="checkbox"/> Public <input type="checkbox"/> Other (describe): _____			
Name: _____	Contact #: _____		
Physical Address: _____	Website/URL: _____		
Known Vehicles: _____	Email: _____		
Age: _____			
THREAT CIRCUMSTANCES			
<input type="checkbox"/> Against Employee <input type="checkbox"/> Against Company <input type="checkbox"/> Against Contractor <input type="checkbox"/> Against Industry <input type="checkbox"/> Unconfirmed			
Describe circumstances/what occurred/what location: _____			
Is there history of the same person or group making a threat? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If yes, describe: _____			
Date: _____	Place of Occurrence: _____		
Are there witnesses to the occurrence? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If yes, Name of witnesses: _____			
<input type="checkbox"/> Yes, witness statements have been completed and provided			
<input type="checkbox"/> No, witness statements have not been completed or provided			
The threat was direct and clearly understood. Explain: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
The threat was indirect/Vague/Implied. Explain: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
The threat is expected to occur in the future. Explain: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
IMPACTED ASSET(S) & USER(S)			
<u>Asset</u>	<u>Contact Name</u>	<u>Phone</u>	<u>Email</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
REPORTED TO POLICE			
Date: _____	File #: _____	Investigator Name: _____	
Police Agency: _____	Contact #: _____	Email: _____	
Is the matter under investigation? Explain: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No			
Are charges laid? Explain: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No			
Have the Police commented? Explain: _____ <input type="checkbox"/> Yes <input type="checkbox"/> No			
ASSET HISTORY			
Has the asset/user recently been victim of a physical and/or cyber-security incident? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Has the asset/user been victim of a physical and/or cyber-security incident in the past? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
RECENT EVENTS			
Are there any recent landowner issues and/or concerns? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Are there any recent termination issues and/or concerns? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Are there any recent employee performance issues and/or concerns? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Are there any recent issues with the general public? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
Are there any recent contractor issues and/or concerns? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			

ADVERSARIES		
Are physical and/or cyber-security adversaries present and active within the community, area or region? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
LANDOWNER (IF APPLICABLE)		
Has the landowner been apprised of right-of-entry information? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Has the right-of-entry (ROE) been served and explained? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Where is the person's residence in relation to the ROW? _____		
INDUSTRY THREATS		
Has another operator within the same industry and/or region received physical and/or cyber-security related threats? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Has another operator within the same industry and/or region recently been victim of a physical and/or cyber-security threat? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Does a current threat that is directed at the company exist? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
CREDIBILITY		
Does the threat specifically identify a target? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Does the threat specify a time it is to be carried out? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Is it probable that the threat will be carried out? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
Threat is: <input type="checkbox"/> Not Credible <input type="checkbox"/> Unknown <input type="checkbox"/> Believed <input type="checkbox"/> Confirmed Comments: _____		
CAPABILITY		
Is there a degree of sophistication required for the adversary to commit a crime against the asset? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Is the person or group considered capable of carrying out a physical or cyber threat (e.g., fit/health, physically imposing; young/middle aged; or elderly; physical impediment; unhealthy; unfit etc.) <input type="checkbox"/> Yes <input type="checkbox"/> No		
SUMMARY OF THREAT		
Summarize Circumstances: _____		
SECURITY THREAT ASSESSMENT		
CREDIBILITY	PROBABILITY	CONSEQUENCE
LOW (VALUE OF 1)		
■	■	■
A possible physical and/or cyber threat of harm to the company and/or to personnel has been made.	Threat is unlikely to be carried out.	Little or no impact on asset(s).
MEDIUM (VALUE OF 2)		
■	■	■
A probable physical and/or cyber threat of harm to the company and/or to personnel has been made.	Threat is likely to be carried out.	Impacts are felt, but not critical.
HIGH (VALUE OF 3)		
■	■	■
A confirmed physical and/or cyber threat of harm to the company and/or to personnel has been made.	Threat is likely to be carried out.	Critical impact(s) that could result in breach, damage, loss, and/or injury.
Credibility <input type="checkbox"/> + Probability <input type="checkbox"/> + Consequence <input type="checkbox"/> = _____ (LOW = 3 MEDIUM = 4-6 HIGH = 7-9) SECURITY THREAT LEVEL = _____		
SECURITY THREAT LEVEL CLASSIFICATION		
<input type="checkbox"/> Low Level Threat → 1-3 (Standard Operating Procedures) No Security Plan Required (Standard Operating Procedures in place) Threat deemed LOW for an illegal and/or violent act (including cyber) towards Plains assets, operations and/or other regional industry operators, or industry at large A LOW categorization of risk does not imply "no threat" but indicates the situation should or may continue to be monitored. All standard security countermeasures should remain in place.		
<input type="checkbox"/> Medium Level Threat → 4-6 (Possible Duration: Days, Weeks, Months) Activate Security Threat Response Plan Operational Security Countermeasures (Physical) and/or Information System(IS) Countermeasures (Cyber) Threat deemed to be MEDIUM for an illegal and/or violent act (including Cyber) towards Plains assets, operations and/or other regional industry operators, or industry at large. A MEDIUM categorization of risk means that there is an elevated threat for violence or illegal incident(s) and any security measures that are currently in position should remain, and further security measures should be considered as per organizational security countermeasures.		
<input type="checkbox"/> High Level Threat → 7-9 (Possible Duration: Days or Weeks) Activate Security Threat Response Plan Operational Security Countermeasures (Physical) and/or Information System(IS) Countermeasures (Cyber) Based on available information and intelligence, there appears to be a HIGH risk for an illegal and/or violent act (including Cyber) occurring towards Plains assets, operations and/or other regional industry operators, or industry at large. A HIGH categorization of risk means that Plains is at HIGH or imminent threat to experience a violent or illegal incident(s) and immediate intervention is required to prevent an act from occurring. Any security measures that are currently in position should remain, and enhanced security measures should be considered as per organizational countermeasures. Note: High-risk situations require the most intensive supervision and management strategies to be applied.		

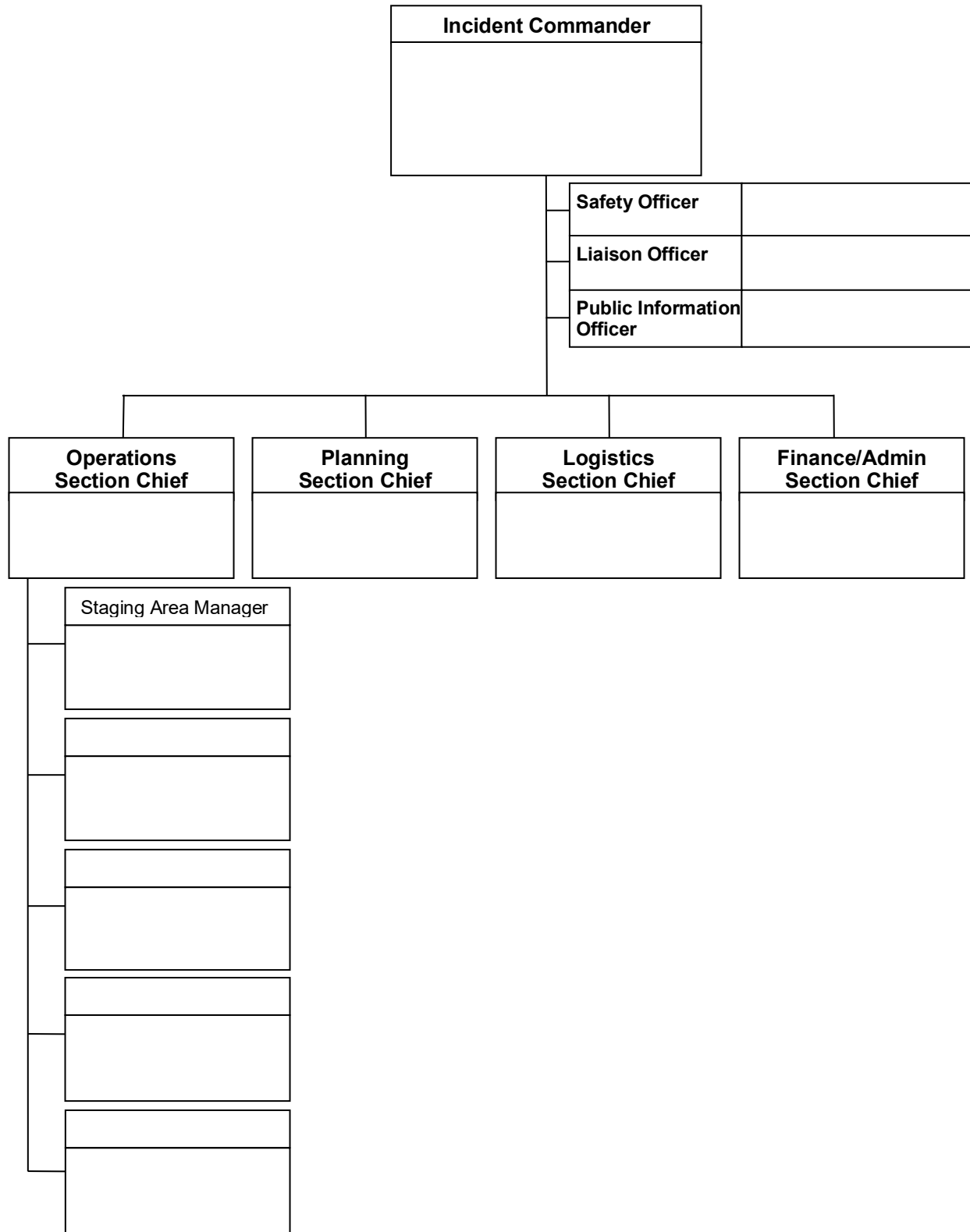
INCIDENT BRIEFING FORM (ICS 201)

1. Incident Name	2. Incident Number	3. Time of Incident Date: _____ Time: _____
4. Map/Sketch Include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment.		
5. Situation Summary and Health and Safety Recognize potential incident health and safety hazards and develop necessary measures to protect responders from those hazards (remove hazard, personal protective equipment, warn people of the hazard).		
6. Prepared By Name: _____	Position/Title: _____	Signature: _____
ICS 201, Page 1		

INCIDENT BRIEFING FORM (ICS 201)

1. Incident Name	2. Incident Number	3. Time of Incident Date: _____ Time: _____
-------------------------	---------------------------	---

10. Current Organization



6. Prepared by: Name: _____	Position/Title: _____	Signature: _____
------------------------------------	-----------------------	------------------

INCIDENT BRIEFING FORM (ICS 201)

1. Incident Name	2. Incident Number	3. Time of Incident Date: _____ Time: _____
-------------------------	---------------------------	---

11. Resources Summary					
Resources Needed	Resources Identifier	Date/Time Ordered	ETA	Arrived?	Notes (Location/Assignment/Status)
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	
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				<input type="checkbox"/>	
				<input type="checkbox"/>	
				<input type="checkbox"/>	

6. Prepared by:	Name: _____	Position/Title: _____	Signature: _____
-----------------	-------------	-----------------------	------------------

ICS 201, Page 4

INCIDENT OBJECTIVES FORM (ICS 202)

1. Incident Name _____	2. Operational Period From: _____ To: _____
3. Overall Incident Objective(s) <i>Life Safety</i> <i>Incident Stabilization</i> <i>Minimize Impacts</i>	
4. Objectives for specified Operational Period	
5. Safety Message for Specified Operational Period	
Approved Site Safety Plan Located at:	
6. Weather	See Attached Weather Sheet
7. Tides/Currents	See Attached Tide/Current Data
8. Time of Sunrise	Time of Sunset
9. Attachments (mark "X" if attached) <input type="checkbox"/> Organization List (ICS 203-OS) <input type="checkbox"/> Medical Plan (ICS 206-OS) <input type="checkbox"/> Resource at Risk Summary (ICS 232-OS) <input type="checkbox"/> Assignment List (ICS 204-OS) <input type="checkbox"/> Incident Map(s) <input type="checkbox"/> Incident Status Summary (ICS 209-OS) <input type="checkbox"/> Communications List (ICS 205-OS) <input type="checkbox"/> Traffic Plan <input type="checkbox"/> _____	
10. Prepared By: Name: _____ Position/Title: _____ Signature: _____	
ICS 202	Date/Time: _____

1. Incident Name	2. Operational Period (Date/Time) From: _____ To: _____	ORGANIZATION ASSIGNMENT LIST ICS 203-OS																																																																														
3. Incident Commander and Staff <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Primary</td> <td style="width: 50%; text-align: center;">Deputy</td> </tr> <tr> <td>Federal:</td> <td></td> </tr> <tr> <td>State:</td> <td></td> </tr> <tr> <td>RP(s):</td> <td></td> </tr> <tr> <td>Safety Officer:</td> <td></td> </tr> <tr> <td>Information Officer:</td> <td></td> </tr> <tr> <td>Liaison Officer:</td> <td></td> </tr> </table>		Primary	Deputy	Federal:		State:		RP(s):		Safety Officer:		Information Officer:		Liaison Officer:		7. OPERATION SECTION <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 60%;">Chief</td><td></td></tr> <tr><td>Deputy</td><td></td></tr> <tr><td colspan="2">a. Branch I – Division Groups</td></tr> <tr><td>Branch Director</td><td></td></tr> <tr><td>Deputy</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division Group</td><td></td></tr> <tr><td>Division Group</td><td></td></tr> <tr><td>Division Group</td><td></td></tr> <tr><td colspan="2">b. Branch II – Division/Groups</td></tr> <tr><td>Branch Director</td><td></td></tr> <tr><td>Deputy</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td colspan="2">c. Branch III – Division/Groups</td></tr> <tr><td>Branch Director</td><td></td></tr> <tr><td>Deputy</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td>Division/Group</td><td></td></tr> <tr><td colspan="2">d. Air Operations Branch</td></tr> <tr><td>Air Operations Br. Dir</td><td></td></tr> <tr><td>Air Tactical Supervisor</td><td></td></tr> <tr><td>Air Support Supervisor</td><td></td></tr> <tr><td>Helicopter Coordinator</td><td></td></tr> <tr><td>Fixed Wing Coordinator</td><td></td></tr> </table>	Chief		Deputy		a. Branch I – Division Groups		Branch Director		Deputy		Division/Group		Division/Group		Division Group		Division Group		Division Group		b. Branch II – Division/Groups		Branch Director		Deputy		Division/Group		Division/Group		Division/Group		Division/Group		Division/Group		c. Branch III – Division/Groups		Branch Director		Deputy		Division/Group		Division/Group		Division/Group		Division/Group		Division/Group		d. Air Operations Branch		Air Operations Br. Dir		Air Tactical Supervisor		Air Support Supervisor		Helicopter Coordinator		Fixed Wing Coordinator	
Primary	Deputy																																																																															
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RP(s):																																																																																
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1. Incident Name	2. Operational Period (Date/Time) From: _____ To: _____	ASSIGNMENT LIST ATTACHMENT	
3. Branch		4. Division/Group	
5. Strike Team/Task Force/Resource Identifier	6. Leader	7. Assignment Location	
8. Work Assignment Special Instructions (if any)			[Ops]
9. Special Equipment/Supplies Needed for Assignment (if any)			[Ops]
10. Special Environmental Considerations (if any)			[P.S.C.]
11. Special Site-Specific Safety Considerations (if any)			[S.O.]
Approved Site Safety Plan Located at:			
12. Other Attachments (as needed)			
<input type="checkbox"/> Map	<input type="checkbox"/> Shoreline Cleanup Assessment Team Report	<input type="checkbox"/> _____	
<input type="checkbox"/> Weather Forecast	<input type="checkbox"/> Tides	<input type="checkbox"/> _____	
13. Prepared by: (Resources Unit Leader)			
ASSIGNMENT LIST ATTACHMENT		June 2000	ICS 204a-OS

1. Incident Name		2. Operational Period (Date/Time) From: _____ To: _____		Assignment List ICS 204-OS	
3. Branch		4. Division/Group			
5. Operations Personnel					
		Name	Affiliation	Contact # (s)	
Operations Section Chief: _____					
Branch Director: _____					
Division/Group Supervisor: _____					
6. Resources Assigned This Period "X" indicates 204a attachment with special instructions					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# of Persons	Notes/Remarks	↓
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
7. Assignments					
8. Special Instructions for Division/Group					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Name/Function	Radio: Freq./System/Channel			Phone	Pager
_____	_____			_____	_____
_____	_____			_____	_____
_____	_____			_____	_____
Emergency Communications					
Medical _____		Evacuation _____		Other _____	
10. Prepared By (Resource Unit Leader)			11. Approved By (Planning Section Chief)		
Date/Time			Date/Time		
ASSIGNMENT LIST		June 2000		ICS 204-OS	

1. Incident Name	2. Operational Period (Date / Time) From: _____ To: _____	INCIDENT RADIO COMMUNICATIONS PLAN ICS 205-OS
-------------------------	---	---

3. BASIC RADIO CHANNEL USE					
SYSTEM / CACHE	CHANNEL	FUNCTION	FREQUENCY	ASSIGNMENT	REMARKS

4. Prepared by: (Communications Unit)	Date / Time
--	--------------------

1. Incident Name	2. Operational Period (Date / Time) From: _____ To: _____		COMMUNICATIONS LIST ICS 205A-OS
3. Basic Local Communications Information			
Assignment	Name	Method(s) of contact (radio frequency, phone, pager, cell #(s), etc.)	
4. Prepared by: (Communications Unit)		Date / Time	
COMMUNICATIONS LIST	June 2000		ICS 205a-OS

1. Incident Name	2. Operational Period (Date / Time) From: _____ To: _____	MEDICAL PLAN ICS 206-OS
-------------------------	---	------------------------------------

3. Medical Aid Stations			
Name	Location	Contact #	Paramedics On site (Y/N)

4. Transportation			
Ambulance Service	Address	Contact #	Paramedics On board (Y/N)

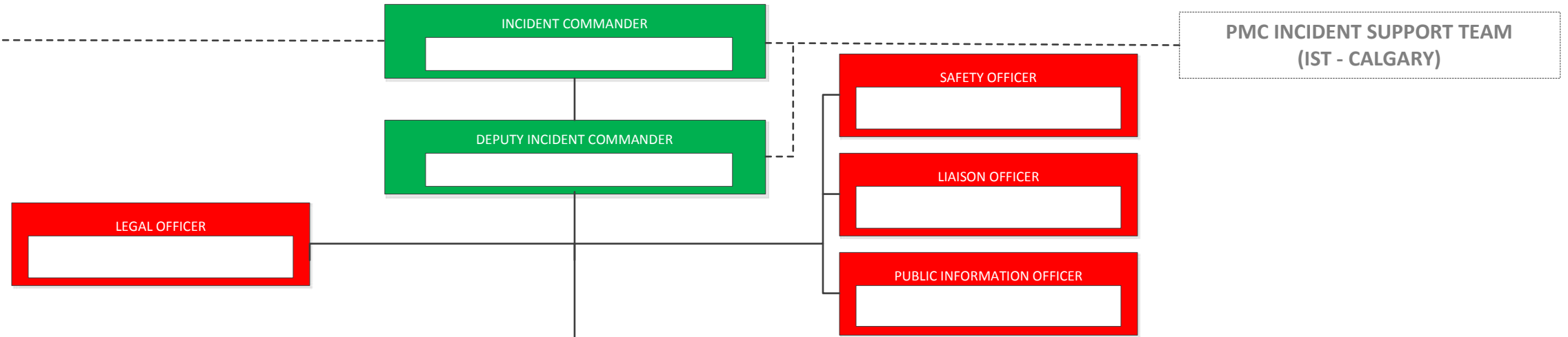
5. Hospitals						
Hospital Name	Address	Contact #	Travel Time		Burn Ctr?	Heli-Pad?
			Air	Ground		

6. Special Medical Emergency Procedures

7. Prepared by: (Medical Unit Leader) Date/Time	8. Reviewed by: (Safety Officer) Date/Time
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PMC INCIDENT MANAGEMENT TEAM (IMT) AT THE INCIDENT COMMAND POST (ICP)

UNIFIED COMMAND

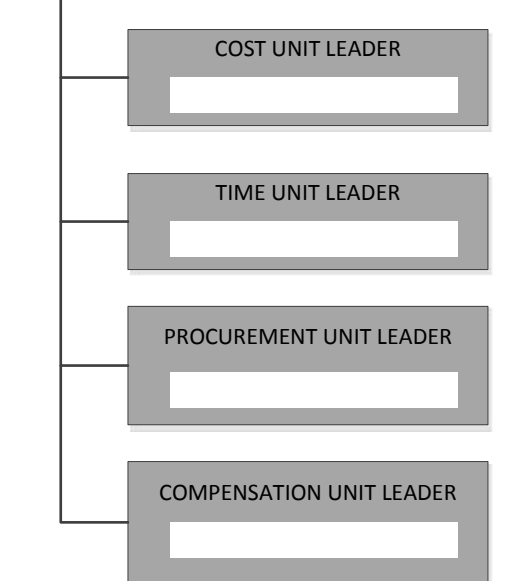
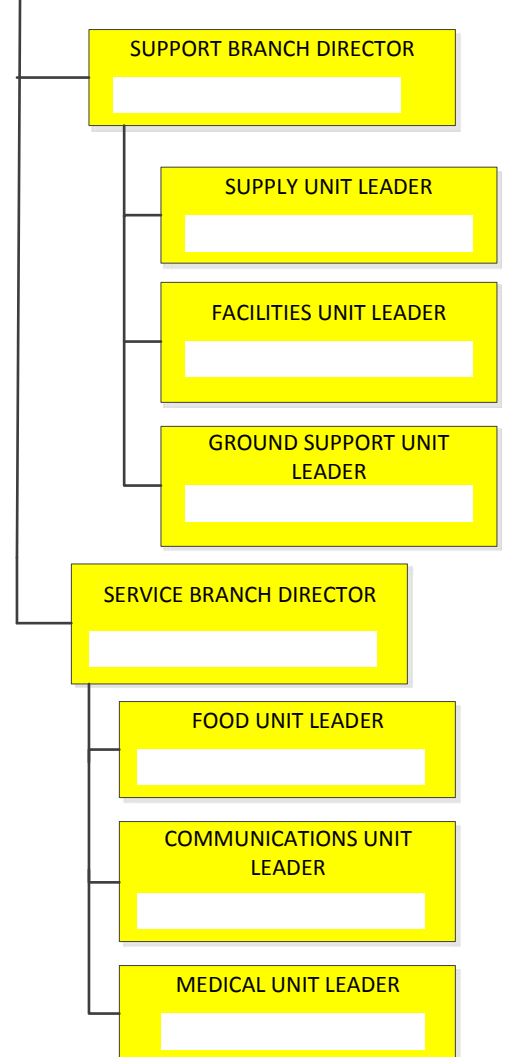
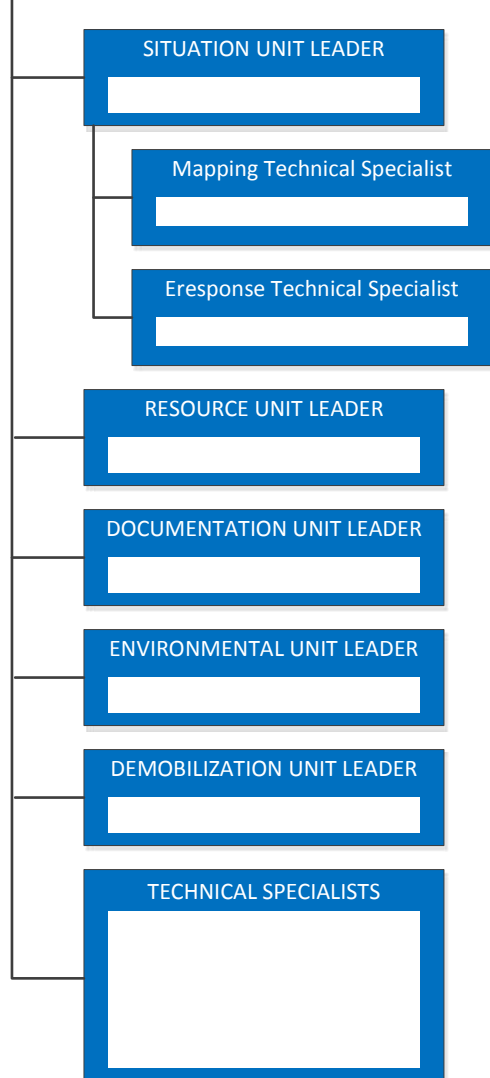
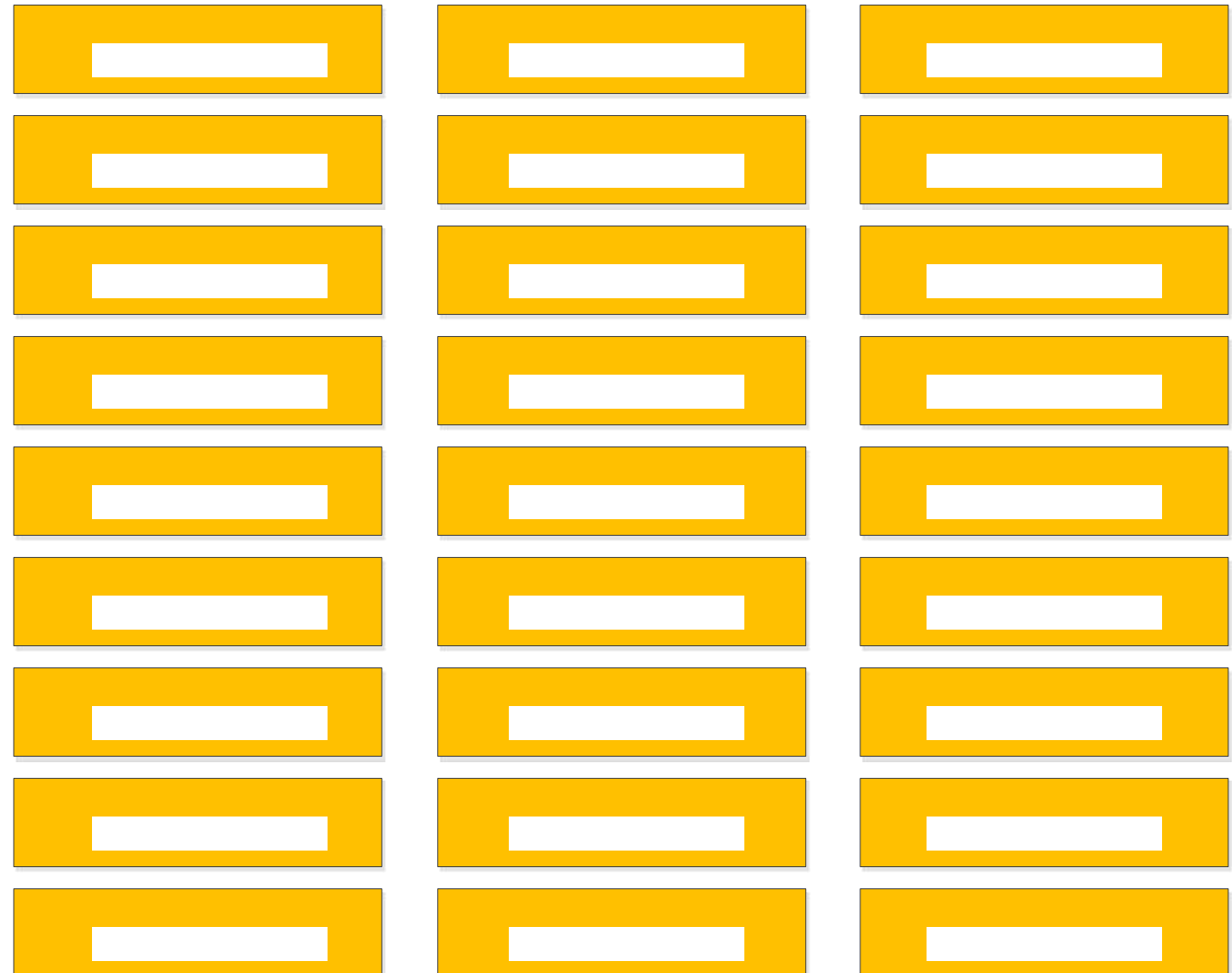


OPERATIONS SECTION CHIEF
Deputy:

PLANNING SECTION CHIEF
Deputy:

LOGISTICS SECTION CHIEF
Deputy:

FINANCE/ADMIN SECTION CHIEF
Deputy:



LEGEND
 RP IC = RESPONSIBLE PARTY INCIDENT COMMANDER
 FED IC = FEDERAL AUTHORITY INCIDENT COMMANDER
 PROV IC = PROVINCIAL AUTHORITY INCIDENT COMMANDER
 LOCAL IC = LOCAL AUTHORITY INCIDENT COMMANDER
 FN IC = FIRST NATIONS INCIDENT COMMANDER
 PMC IC = PLAINS MIDSTREAM CANADA INCIDENT COMMANDER

NOTE: Identify responder titles within the Operations Section and only indicate responder names for required positions.

1. Incident Name	2. Operational Period (Date/Time) From: _____ To: _____	Time of Report	INCIDENT STATUS SUMMARY ICS 209-OS																																																																																																																								
3. Spill Status (Estimated, in Barrels) [Ops & EUL/SSC] Source Status: Remaining Potential (bbl): _____ <input type="checkbox"/> Secured Rate of Spillage (bb/hr): _____ <input type="checkbox"/> Unsecured Since Last Report Total Volume Spilled _____ Mass Balance/Oil Budget Recovered Oil _____ Evaporation _____ Natural Dispersion _____ Chemical Dispersion _____ Burned _____ Floating, Contained _____ Floating, Uncontained _____ Onshore _____ Total spilled oil accounted for: _____		8. Equipment Resources [RUL]																																																																																																																									
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1. Incident Name	2. Operational Period (Date / Time) From: _____ To: _____	STATUS CHANGE ICS 210-OS
3. Personnel / Resource Name or I.D.		
4. New Status <input type="checkbox"/> Available / Staged <input type="checkbox"/> Assigned _____ <input type="checkbox"/> Out of Service		
5. FROM Location or Status	6. TO Location or Status	
7. Time of Location / Status Change		
8. Comments		
9. Prepared by:		Date / Time
10. Processed by: (Resource Unit)		Date / Time
STATUS CHANGE	June 2000	ICS 210-OS

CHECK-IN LIST EQUIPMENT - (ICS 211e)

1. Incident Name: _____	2. Operational Period: From: _____ To: _____	3. Check-In Location <input type="checkbox"/> Command Post <input type="checkbox"/> Staging Area <input type="checkbox"/> DOC <input type="checkbox"/> Other (Shelter, C-POD, etc.)
-----------------------------------	--	--

4. Equipment Description	5. Equipment Identifier	6. Supplier/Owner	7. Assignment	8. Contact Information	9. Time In	Time Out

10. Prepared by: Name: _____	Position/Title: _____	Signature: _____
-------------------------------------	-----------------------	------------------

ICS 211e	Date/Time: _____
-----------------	------------------

CHECK-IN LIST – PERSONNEL (ICS 211 P)

1. Incident Name: _____	2. Operational Period: From: _____ To: _____		3. Check-In Location <input type="checkbox"/> Command Post <input type="checkbox"/> Staging Area <input type="checkbox"/> Other (Shelter, C-POD, etc.) <input type="checkbox"/> DOC _____		
4. Name (First, Last)	5. Company/Agency	6. ICS Section	7. Contact Information	8. Time In Time Out	

6. Prepared by: Name: _____ Position/Title: _____ Signature: _____	
ICS 211p	Date/Time: _____

1. Incident Name	2. Date and Time of Message	GENERAL MESSAGE ICS 213-OS
3. TO: ICS Position		
4. FROM: ICS Position		
5. Subject:		
6. Message		
7. Reply		
8. Signature / Position (person replying)		Date / Time of reply
/		June 2000
GENERAL MESSAGE		ICS 213-OS

General Message (ICS213)

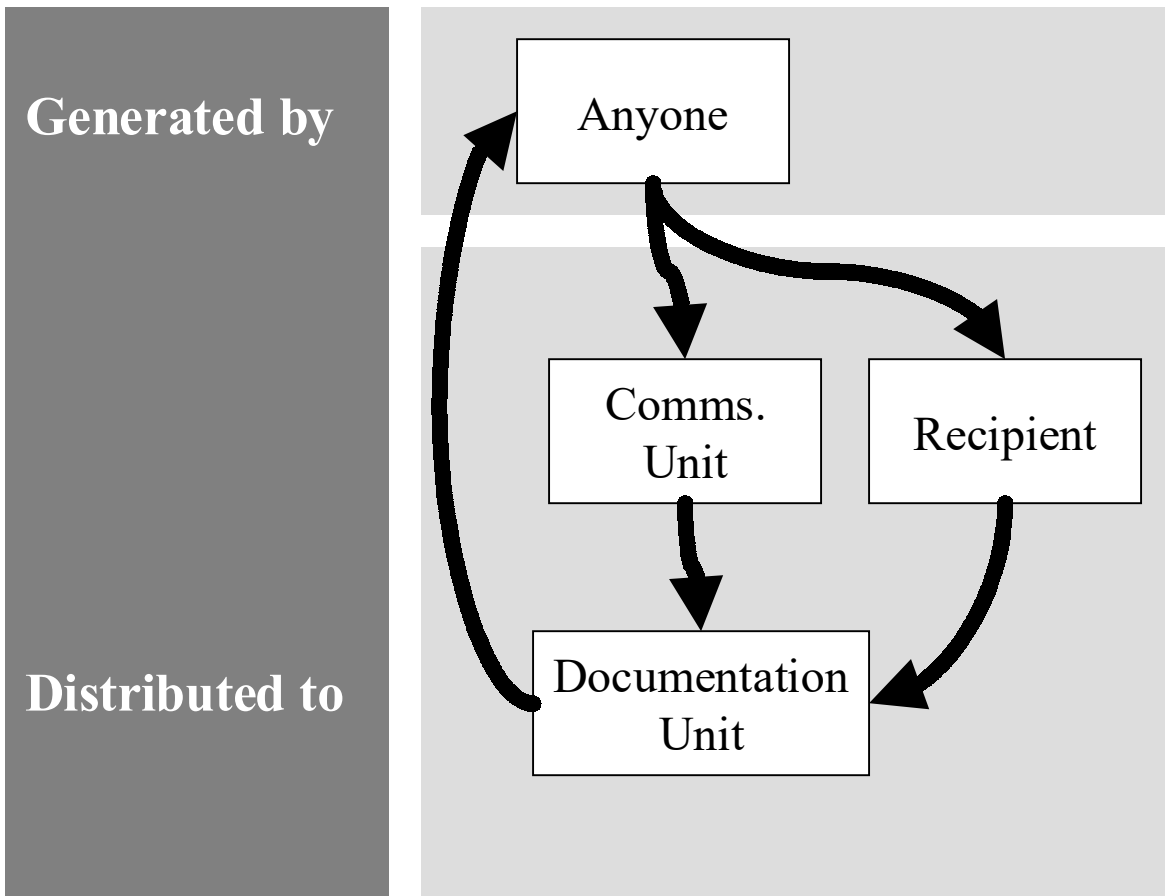
Purpose. The General Message is used by:

- Incident personnel to record incoming messages which cannot be orally transmitted to the intended recipients;
- Command Post and other incident personnel to transmit messages to the Incident Communications Center for transmission via radio or telephone to the addressee;
- Incident personnel to send any message or notification to incident personnel which requires a hard-copy delivery;
- Incident personnel to place resource orders.

Preparation. This form is prepared by any incident personnel needing to transmit a hard-copy message. The recipient should send a timely reply to the originator, as necessary.

Distribution. Upon completion, the General Message may be hand-carried to the addressee or to the incident Communications Center for transmission.

Originator retains a copy of the form. All completed original forms MUST be given to the Documentation Unit.



UNIT LOG (ICS 214)

1. Incident Name _____	2. Operational Period (Date/Time) From:_____ To:_____
----------------------------------	---

3. Unit Name/Designators: _____	4. Unit Leader Name:_____ ICS Position:_____
---	--

4. Unit Leader		
NAME	ICS POSITION	HOME BASE

6. Activity Log	
TIME	MAJOR EVENTS

7. Prepared By: Name:_____ Position/Title:_____ Signature:_____		
ICS 214		Date/Time:_____

1. Incident Name			2. Operational Period (Date/Time) From: _____ To: _____											OPERATIONAL PLANNING WORKSHEET ICS 215-OS					
3. Division/ Group or Location	4. Work Assignments	5. Resource/Equipment											9. "X" here if 204a Needed						
		Resource												6. Notes/Remarks	7. Reporting Location	8. Requested Arrival Time			
		Req.																	
		Have																	<input type="checkbox"/>
		Need																	
		Req.																	
		Have																	<input type="checkbox"/>
		Need																	
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		Req.																	
		Have																	<input type="checkbox"/>
		Need																	
10. Total Resources Required															13. Prepared by:				
11. Total Resources On Hand															Date		Time		
12. Total Resources Needed																			

1. Incident Name:	2. Operational Period (Date/Time) From: To:	IAP SAFETY ANALYSIS 215a-OS
--------------------------	--	------------------------------------

3. Incident Area	4. Hazards/Risks	5. Mitigations

7. Prepared by:	Date/Time
------------------------	------------------

1. Incident Name	2. Operational Period (Date / Time) From: _____ To: _____	AIR OPERATIONS SUMMARY ICS 220-OS
-------------------------	---	--

3. Distribution
 Fixed-Wing Bases _____
 Helibase _____

4. Personnel and Communications	5. Remarks (Spec. Instructions, Safety Notes, Hazards, Priorities)																								
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;"></td> <td style="width:20%; text-align: center;">Air Operations Director</td> <td style="width:20%; text-align: center;">Air / Air Frequency</td> <td style="width:30%; text-align: center;">Air / Ground Frequency</td> </tr> <tr> <td>Air Operations Director</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Air Tactical Supervisor</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Air Support Supervisor</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Helicopter Coordinator</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>Fixed-Wing Coordinator</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table>		Air Operations Director	Air / Air Frequency	Air / Ground Frequency	Air Operations Director	_____	_____	_____	Air Tactical Supervisor	_____	_____	_____	Air Support Supervisor	_____	_____	_____	Helicopter Coordinator	_____	_____	_____	Fixed-Wing Coordinator	_____	_____	_____	
	Air Operations Director	Air / Air Frequency	Air / Ground Frequency																						
Air Operations Director	_____	_____	_____																						
Air Tactical Supervisor	_____	_____	_____																						
Air Support Supervisor	_____	_____	_____																						
Helicopter Coordinator	_____	_____	_____																						
Fixed-Wing Coordinator	_____	_____	_____																						

6. Location / Function	7. Assignment	8. Fixed-Wing		9. Helicopter		10. Time		11. Aircraft Assigned	12. Operating Base
		NO.	TYPE	NO.	TYPE	Available	Commence		

	13. TOTALS				
--	-------------------	--	--	--	--

14. Air Operation Support Equipment	15. Prepared by _____ Date / Time _____
--	---

1. Incident Name	2. Operational Period (Date / Time) From: _____ To: _____	DEMOB. CHECK-OUT ICS 221-OS
-------------------------	---	--

3. Unit / Personnel Released	4. Release Date / Time
-------------------------------------	-------------------------------

5. Unit / Personnel

You and your resources have been released, subject to signoff from the following:
(Demob. Unit Leader "X" appropriate box(es))

Logistics Section

Supply Unit _____

Communications Unit _____

Facilities Unit _____

Ground Unit _____

Planning Section

Documentation Unit _____

Finance / Admin. Section

Time Unit _____

Other

6. Remarks

7. Prepared by: _____	Date / Time _____
------------------------------	--------------------------

1. Incident Name		2. Operational Period (Date/Time)		DAILY MEETING SCHEDULE ICS 230-OS	
		From: _____ To: _____			
3. Meeting Schedule (Commonly-held meetings are included)					
Date/ Time	Meeting Name	Purpose	Attendees	Location	
	Tactics Meeting	Develop primary and alternate Strategies to meet Incident Objectives for the next Operational Period.	PSC, OPS, LSC, EUL, RUL & SUL		
	Planning Meeting	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period.	Determined by the IC/UC		
	Operations Briefing	Present IAP and assignments to the Supervisors / Leaders for the next Operational Period.	IC/UC, Command Staff, General Staff, Branch Directors, Div. Sups., Task Force/Strike Team Leaders and Unit Leaders		
	Unified Command Objectives Meeting	Review/ identify objectives for the next operational period.	Unified Command members		
4. Prepared by: (Situation Unit Leader)			Date/Time		
DAILY MEETING SCHEDULE				ICS 230-OS	

1. Incident Name	2. Meeting Date/Time	MEETING SUMMARY ICS 231-OS
3. Meeting Name		
4. Meeting Location		
5. Facilitator		
6. Attendees		
7. Notes (with summary of decisions and action items)		
8. Prepared by:		Date/Time
MEETING SUMMARY	June 2000	ICS 231-OS

1. Incident Name	2. Operational Period (Date/Time) From: _____ To: _____	RESOURCES AT RISK SUMMARY ICS 232-OS
-------------------------	---	---

3. Environmentally-Sensitive Areas and Wildlife Issues

Site #	Priority	Site Name and/or Physical Location	Site Issues

Narrative

4. Archaeo-cultural and Socio-economic Issues

Site #	Priority	Site Name and/or Physical Location	Site Issues

Narrative

5. Prepared by: (Environmental Unit Leader)	Date/Time
--	------------------

Electronic version: NOAA 1.0 June 1, 2000

1. Incident Name					Incident Open Action Tracker ICS 233-OS		
2. No.	3. Item	4. For/POC	5. Briefed POC (X)	6. State Date	7. Status	8. Target Date	9. Actual Date
1							
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3							
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6							
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8							
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31							
32							

WORK ANALYSIS MATRIX (ICS 234)

1. Incident Name: _____	2. Operational Period From: _____ To: _____	
3. Operation's Objectives (DESIRED OUTCOME)	4. Optional Strategies (HOW)	5. Tactics/Work Assignments (WHO, WHAT, WHERE, WHEN)
6. Prepared By: Name: _____ Position/Title: _____ Signature: _____		
ICS 234	Date/Time: _____	

WORK ANALYSIS MATRIX FORM INSTRUCTIONS (ICS FORM 234-OS)

Purpose. The Work Analysis Matrix is designed to help select the best strategies and tactics to achieve the operational objectives. This optional form assists staff in carrying out incident objectives by outlining the who, what, where, when, and how of the response. The tactics from this form carry forward to the “Work Assignment” on the ICS-215. Another purpose of the ICS-234 is that it presents alternative (or what-if) strategies and tactics to respond to bad weather, sudden changes in operational conditions, etc. This form is simply a formalized version of how most OSCs tend to think in order to turn objectives into tactical field work.

Preparation. The Work Analysis Matrix, if used, is usually completed by the Operations Section Chief and Planning Section Chief prior to the Tactics Meeting.

Distribution. All completed original forms must be submitted to the Documentation Unit.

Item #	Item Title	Instructions
1	Incident Name	Enter the name of the incident
2	Operational Period	Enter the time interval for which the form applies. Record the start and end date and time.
3	Operational Objectives	Enter the relevant Operational Objectives from the ICS 202, with numbers
4	Operational Strategies	Enter all strategies that could be used to meet the objective (“how”)
5	Tactics/Work Assignments	Enter details, including as much as possible, who, what, where, and when, of work assignments to carry out Operational Strategies
6	Prepared By	Enter the name and position of the person preparing the form
7	Date/Time	Enter the date and time (24-hour format) the form was prepared

EXAMPLES

WORK ANALYSIS MATRIXICS 234-OS

1. Incident Name
EXERCISE MP-99

2. Operational Period
From: April 10/18 0600hrs To: April 11/18 0600hrs

3. Operation's Objectives
DESIRED OUTCOME

4. Optional Strategies
HOW

5. Tactics/Work Assignments
WHO, WHAT, WHERE, WHEN

(Life Safety – Priority)

Protect the Public:
Establish perimeter control and secure incident area by 1030hrs.

Block roads to prevent public access to hazardous area

PMC road block crew #1 will block xx at xx using road block kit and PMC vehicle by 0600hrs.

TCPL crew to block xx using their trucks by 0630hrs.

Hire xyz security company to provide 24/7 perimeter control by 1000hrs.

PMC personnel (crew ABC) to install temporary fencing around the perimeter by 1030 hrs.

Conduct evacuations within the EPZ

PMC Operations Section – Public Protection Branch Director to conduct phone notifications to impacted parties and provide instructions. Contact info to be obtained from eResponse. All records to be provided to Documentation Unit Leader.

Conduct vapour monitoring down wind of the incident site

Hire xyz mobile monitoring vendor to conduct vapour monitoring identified in the monitoring plan, starting adjacent to the EPZ and downwind to nearest residences by 0600hrs.

(Life Safety – Priority)

Conduct a hazard risk analysis and develop safeguards to protect responders by 1030hrs.

Establish safe working zones by conducting vapour monitoring

PMC air monitoring group 1 to conduct vapour monitoring at xx locations for benzene, total hydrocarbons (LELs) and O2. Must document results and stop work and evacuate if thresholds are exceeded. Must notify Safety Officer if thresholds exceeded. Half face respirators are required if benzene is above xx.

Decontaminate all responders

Xyz to establish a decontamination chamber and dry decon all responders leaving hot zone. Dry decon procedure attached.

Resident Notification Form

(Resident Notification / Evacuation / Shelter Contact Log)

Prepared by:

Position:

Date:

Name: (List all names at present location)	Map ID No.	Contact Time	Child or Answering Machine Only	Assistance or Transportation Required
Form Prepared by:				

Resident Registration Form

Prepared by:

Date:

Name	Check In Time	Res. # on Map	# of People	Remarks	Check Out Time	Contact #

Form Prepared by:

Roadblock Form

Prepared by:

Checkpoint #
Date:

Vehicle Type & License Plate No.	Name of Driver	# Passengers	Time Entering EPZ	Time Exiting EPZ	Remarks

Form Prepared by:

Media Inquiry Form

Use this form to document all calls received from the media, and collect the listed information.

Date:	Time:	Received by:
Reporter's Name:		
Media Outlet/affiliation:		
Phone Number:		Email address:
Deadline:		
Information requested:		
Information forwarded to spokesperson (circle one) Yes No		
Notes:		

WCSS ICE SAFETY PLAN

Name: _____
 Date: _____
 Time: _____

SITE ASSESSMENT

Location (GPS coordinates, Legal Land Description)			
Date (dd/mm/yy)	/	/	Time
Current Temperature			
Temperature variations last 24 hours			
Predicted temperature variations for next 24 hours			
Windchill			
Site Access description (for responder vehicles / equipment)	Poor	Fair	Good Excellent
Ice Faults	Yes	No	
Pressure Ridges	Yes	No	
Cracks	Yes (wet / dry)	No	

SAFETY CONTROLS

Muster Station	
First Aid Station	
Medical Facility	
Local Hospital	
STARS Registration #	
Warm-up Facility	

ICE CUTTING STRATEGY RESTRICTIONS

- Authorized personnel and equipment only on-ice – Safety Chief/Crew Chiefs
- Stationary loads - < 2 hours
- Personnel working within 2 meters of ice slot must be secured with manned or anchored safety lines
- Buddy system only on-ice personnel.
- Certification required – operating boat, chainsaws other as required.
- Speed limits on ice identified and followed.
- No departures until site is secured,
- Other

SAFETY ORIENTATION

Instructors / Crew Chiefs to review with students / crews

- Hazard Assessment for Working on Ice
- Safety controls
- Emergency communications and actions
- Ice Cutting Strategy Restrictions

Verification Crew Briefings

Ice Evaluation Team	
Ice Slotting Team	
Ice Rescue	
Airboat	

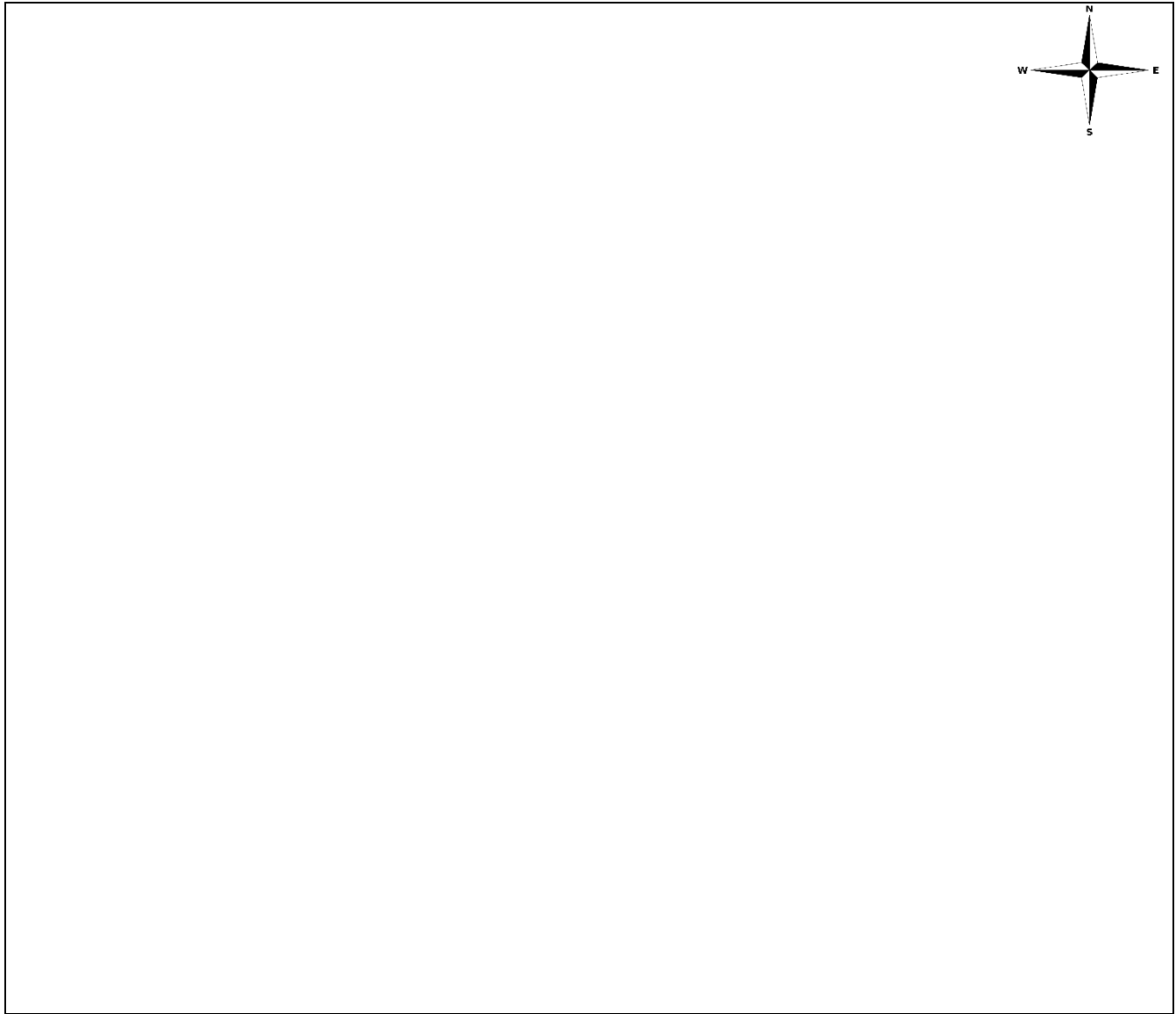
ICE-COVERED WATERCOURSE ASSESSMENT

HOLE #	1	2	3	4	
Ice Thickness (in. / cm)					
Water Depth (in. / cm)					
Current Velocity (km/hr)					
HOLE #	1	2	3	4	m
Ice Thickness (in. / cm)					
Water Depth (in. / cm)					
Current Velocity (km/hr)					
HOLE #	1	2	3	4	m
Ice Thickness (in. / cm)					
Water Depth (in. / cm)					
Current Velocity (km/hr)					
HOLE #	1	2	3	4	m
Ice Thickness (in. / cm)					
Water Depth (in. / cm)					
Current Velocity (km/hr)					

NOTE

Indicate the direction of flow at each augured hole with an arrow on the surface. Once direction of flow and main current has been identified, mark out a pattern for slot location or deflection boards.

SITE DRAWING



Ice Thickness (inches/cm) - Draw in bore hole location & indicate thickness in inches & cm

Ice Quality

- Indicate block location
- Indicate thickness of
 - o white ice: _____
 - o blue ice: _____

$$P = A \times h^2$$

A =

h² =

Effective Ice Thickness: _____

Weight Bearing Capacity: _____

Risk Tolerance: _____

REFERENCE – GENERAL DESCRIPTION OF WORK

Objectives:

	Ensure safety of all workers, observers and others that could be impacted both during and following the work.
	Identify the weight bearing capacity of the ice sheet in the working area.
	Determine suitable risk tolerance for work required.
	Identify a containment and recovery strategy.
	Slot the ice with appropriate equipment.
	Debrief and document follow up requirements and lessons learned.
	Secure the site.

Other:

Typical Sequence of Events:

	Identify Equipment Deployment Site Location
	Hazard assessment and identification of safety controls and zones
	Develop Ice Safety Plan
	Crew orientations and specific hazard identification and safety controls
	Placement of the ice rescue team
	Ice Assessment
	Identify weight bearing capacity and equipment requirements
	Discuss risk tolerance & identify ice removal strategy
	Slot ice and begin recovery operations
	Install boom or dimensional lumber at the perimeter of the spills site to prevent lateral migration
	Debrief
	Identify follow up
	Site clean up
	Secure site and appoint someone to check on barricades

Other:

If this is a spill event; ensure work policies and procedures are in line with the incident action plan and other relevant site-specific spill response plans.

REFERENCE – PERSONAL PROTECTIVE EQUIPMENT

ON-ICE WORKERS – RESCUE TEAM / ICE EVALUATION AND SLOTING TEAM

- Minimum – PFD; floater jacket preferred.
 - Initial Ice Assessment – harness and rope tended and anchored.
 - Further assessment work, ice slotting, containment and recovery-developed as per initial ice assessment. - Minimum 1m distance from slots
 - Ice awls
 - Whistle
 - Appropriate outer work wear
 - Ice cleats if appropriate
 - Chainsaw safety equipment
 - Hearing Protection-(double protection required when operating equipment)
 - Other _____
-

ON-ICE WORKERS – AIR BOATS

- Minimum – personal flotation device (PFD)
 - Hearing and eye protection (double protection required when operating equipment)
 - Warm outer work wear
 - Communications radio or pre-designated signals
 - Ice Cleats
 - Other _____
-

OBSERVERS

- Follow company policy linked to PPE requirements.
- Appropriate outer cold weather clothing.
- Stay off ice unless escorted

Other _____

SECTION 7: Reference Materials

7.1	Concordance Table	7-1
7.1.1	Canada Energy Regulator Onshore Pipeline Regulations (SOR/99-294)	7-1
7.1.2	AER Directive 071 (D071)	7-7
7.1.3	Environmental Emergency Regulations (SOR/2019-51).....	7-11
7.2	Training Requirements	7-24
7.3	ERP Amendment Request Form	7-26
7.4	Acronyms.....	7-27
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7.7	Emergency Response Assistance Canada (ERAC) Questions	7-42
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7.10	Dominion Land Survey System (DLS)	7-51
7.11	Concessions and Lots	7-52

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7.1 Concordance Table

The following tables show the relevant sections of external regulations and standards mapped to each Section within the ERP.

7.1.1 Canada Energy Regulator Onshore Pipeline Regulations (SOR/99-294)

NOTE: The below table follows the format established in the Emergency Procedures Manual (EPM) Review.

CER OPR	CSA Z662	Regulatory Requirement	ERP Section
Document Control and Design			
34, 6.5(i)(o), 32(1.1)	3.1.2(g), 10.5.2.3	A distribution list of all persons holding copies of the plan should be maintained and kept current. Provisions should be made for the review and updating of emergency plans and must identify the individual (or position) responsible. The plans should be reviewed and updated annually at a minimum and more often if major changes are required. A detailed record of changes/revisions must be kept.	<i>Distribution List</i> <i>Revision History</i>
33	10.5.2.2	Applicable response organizations and other agencies must be consulted in the development of this EPM.	Section 8: Government Agencies and Local Authorities <i>Local Section</i>
Definitions and Levels of Emergency			
32(1.1)		The EPM should include a definition and criteria for the determination of an emergency and triggers for various levels of response to emergency situations.	Section 1: Initial Response <i>1.3 Initial Response Checklist</i> <i>1.3.4 Levels of Emergency</i>
OPR ss.32(1.1)		The EPM must describe how emergencies are reported to the company, how appropriate company personnel and first responders will be notified, how confirmation of an incident or release will occur, and the initial steps to be taken.	Section 1: Initial Response <i>All</i>

CER OPR	CSA Z662	Regulatory Requirement	ERP Section
Organizational Structure and Emergency Response Procedures			
6.4, 32(1.1), 6.5(q)	3.1.2(b)	The EPM must contain an organizational structure and Incident Management System (may be in the form of an organizational chart) illustrating the chain of command and functional responsibilities used to coordinate an emergency.	Section 0: Overview <i>0.4 Emergency Response Framework</i> Section 2: Roles and Responsibilities <i>2.2 IMT Organization</i> <i>2.3 IST Organization</i>
6.4, 32(1.1), 6.5(q)	3.1.2(b)	The EPM must include site-specific information (including high risk / high consequence areas)	Section 9: Area Specific Information <i>All</i>
32(1.1), 48		The EPM must include spill control procedures and locations of spill control points	Section 4: Incident Specific Measures <i>4.4 Spill or Leak</i> Section 9: Area Specific Information <i>All</i> 8.1 Incident, Spill and Release Reporting Requirements
	10.5.2.1	The EPM must contain, or make reference to, shutdown procedures.	Section 1: Initial Response <i>1.3 Initial Response Checklist</i> Section 2: Roles and Responsibilities Section 9: Area Specific Information <i>9.4 Alarms and Communications</i> <i>9.6 Other Area Specific Information</i>
	10.5.2.1	The EPM must identify procedures for down-grading emergency response levels.	Section 2: Roles and Responsibilities <i>2.1.2 Demobilization / Post Incident Procedures</i>
	10.5.2.1	Public safety measures must be included or referenced in the EPM.	Section 3: Responder Safety and Public Protection <i>All</i>
Roles and Responsibilities			
6.4(b), 32(1)	3.1.2(b)	The EPM must identify each responder's role, responsibilities and reporting relationship. Sufficient details should be provided to ensure that all critical activities are covered.	Section 2: Roles and Responsibilities <i>All</i>

CER OPR	CSA Z662	Regulatory Requirement	ERP Section
32(1), 33, 34	3.1.2(b)	Companies must consult with agencies during the development and updating of EPMs and response plans to facilitate clarity on roles, responsibilities and capabilities. These roles and responsibilities must be identified in the EPMs.	Section 8: Government Agencies and Local Authorities <i>Local Section</i>
6.4(c), 32(1.1)		Where a company relies on support from other organizations, (Ex. contracted response organizations); (for personnel or equipment) mutual aid or other agreements must be identified and should be listed in the EPM.	Section 4: Incident Specific Measures <i>4.1 Functional Support Plans</i> Section 8: Government Agencies and Local Authorities <i>Mutual Aid</i> Section 9: Area Specific Information <i>9.8 External Support Organizations</i>
6.5(t)		The EPM must include or make reference to the source location of response and contingency plans and other critical response information that may be utilized during an emergency.	Section 4: Incident Specific Measures <i>All</i>
Product Information			
32(1.1)		The EPM must include product information.	Section 1: Initial Response <i>1.3.2 Initial Actions and Assessment</i> Section 7: Reference Materials <i>7.6 Characteristics of H₂S and SO₂</i>
Hazards and Site Safety			
6.5(c)(d)	3.1.2(f)	The EPM must address the hazards identified in the company hazards inventory.	Section 1: Initial Response <i>1.3.3 Initial Actions and Assessment</i> Section 4: Incident Specific Measures <i>All</i> Section 7: Reference Materials <i>7.6 Characteristics of H₂S and SO₂</i> Section 9: Area Specific Information <i>Technical Data</i>
6.5(e)(f)		The company must have a documented risk evaluation process applicable to the EM program.	Section 1: Initial Response <i>1.3 Initial Response Checklist</i>

CER OPR	CSA Z662	Regulatory Requirement	ERP Section
6.5(f)		The EPM must have, or make reference to the controls in place to prevent, manage and mitigate the identified hazards and risks.	Section 1: Initial Response <i>1.3 Initial Response Checklist</i> Section 4: Incident Specific Measures All Section 7: Reference Materials <i>7.6 Characteristics of H₂S and SO₂</i> Section 9: Area Specific Information Alarms and Communications <i>Equipment Lists and Location</i> <i>Other Area Specific Information</i>
	10.2.6.1	Procedures must be in place for site control and security during an incident.	Plains Incident Management Handbook: <i>Roles and Responsibilities:</i> <i>Security Unit Leader, Roadblock Group Supervisor</i> Section 3: Responder Safety and Public Protection <i>3.2 Responder Safety</i> <i>3.4 Isolation of the EPZ</i> Section 9: Area Specific Information <i>Alarms and Communications</i> <i>Maps and Plot Plans</i>
	10.5.1.1(b)	Area maps must be included in the EPM.	Section 9: Area Specific Information <i>Maps and Plot Plans</i>
Communication			
6.5(m), 32(1.1), 34		The EPM will include how the company will manage the internal and external communication and flow of information, including how the company will manage communications with First responders and other agencies on site.	Section 1: Initial Response <i>1.3.1 Notifications</i> Section 5: Communications and Media All
	3.1.2(d)	The EPM will include a public relations or media plan.	Section 5: Communications and Media All
6.5(m)		The actions taken and communications equipment available will be sufficient to cover the operating area.	Section 5: Communications and Media All Section 9: Area Specific Information <i>Equipment Lists</i>

CER OPR	CSA Z662	Regulatory Requirement	ERP Section
Emergency Response Equipment			
47	10.2.7.1	Companies should possess or have access to sufficient emergency response equipment appropriate for the type of product being stored and the conditions in which it is being stored to respond to the worst-case emergency, as determined by its hazard assessments. The plan should also describe the resources that are available from other contractors and organizations and the contracts or written agreements for accessing these resources should be referenced.	Section 4: Incident Specific Measures <i>4.1 Functional Support Plans</i> Section 8: Government Agencies and Local Authorities <i>Mutual Aid</i> Section 9: Area Specific Information <i>Equipment Lists and Locations</i> <i>External Support Organizations</i>
46	3.1.2(c)(iii)	All applicable personnel will be trained in the appropriate use of the equipment.	Section 7: Reference Materials <i>7.2 Training Requirements</i> Section 8: Government Agencies and Local Authorities <i>Mutual Aid</i>
Internal and External Notification and Reporting			
33, 34	10.4.3.1	The EPM will include current, verified, internal and external notification lists, including company employees, first responders, response organizations, contractors, mutual aid partners, Indigenous Peoples, and government officials.	Section 9: Site Specific Information <i>All</i>
34		There will be confirmed methods for contacting persons and businesses in the EPZ.	Plains Incident Management Handbook: <i>Roles and Responsibilities: Public Protection Branch Director, Notification Group Supervisor</i> Section 3: Responder Safety and Public Protection– <i>3.6 Evacuation</i> <i>3.7 Shelter-in-Place</i> Section 9: Area Specific Information <i>Local Public Information</i>
52		Procedures must be in place for reporting incidents to the appropriate regulatory bodies.	Section 1: Initial Response <i>1.3 Initial Response Checklist</i> <i>1.3.1 Notifications</i> Section 8: Government Agencies and Local Authorities <i>Federal and Provincial Sections</i>

CER OPR	CSA Z662	Regulatory Requirement	ERP Section
Documentation			
6.5(n), 56(g)(vii)	3.1.2(e), 10.4.3.2	The EPM will include procedures for record keeping during and following an emergency, including minimum record keeping requirements, a forms index and information that must be retained.	Section 1: Initial Response <i>All</i> Section 2: Roles and Responsibilities <i>2.1.2 Demobilization / Post Incident Procedures</i> Plains Incident Management Handbook: <i>Roles and Responsibilities: Common Responsibilities (Scribe), Transfer of Personnel, Documentation Unit Leader</i> Section 6: Forms <i>All</i>
Continuing Education and Training			
6.5(j)(k), 35, 46	3.1.2(c), 10.5.2.4	Procedures must be established to provide for initial and refresher training for all personnel (internal and external) who will have a role in an emergency response. Exercises should be conducted to evaluate the company's response capabilities. The EPM should indicate the types of exercises and frequency with which they are conducted.	Section 7: Reference Materials <i>7.2 Training Requirements</i> <i>Training Records</i> <i>Exercise Reports</i>
35		Procedures must be established to provide for continuing education for all personnel who will have a response role or be impacted in the event of an incident. All applicable individuals, agencies, contractors, etc. will be provided training appropriate to their role regarding proper use of the EPM.	Section 7: Reference Materials <i>7.2 Training Requirements</i> <i>EM Training Matrix</i> <i>Training Records</i> <i>Exercise Reports</i> <i>Consultation Records</i>

7.1.2 AER Directive 071 (D071)

D071	Regulatory Requirement	ERP Section
2.1 (1)	The licensee must have a corporate-level ERP with preplanned procedures that will aid in effective response to an emergency.	Section 1: Initial Response <i>All</i> Section 2: Roles and Responsibilities <i>All</i> Section 4: Incident Specific Measures <i>All</i>
2.1 (2)	The licensee must include the following information in its ERP:	N/A
	Key Licensee Contacts	Section 9: Area Specific Information <i>Internal Emergency Telephone Numbers</i>
	24-hour licensee emergency contact telephone number	Section 9: Area Specific Information <i>PMC 24-hour Emergency Lines</i>
	A method of classifying incidents and response actions for specific incidents	Section 1: Initial Response <i>1.3.2 Initial Actions and Assessment</i> <i>1.3.4 Level of Emergency</i>
	A communication plan that addresses <ul style="list-style-type: none"> • Communication with response team, support services and government • Communication with the public and media • Downgrading and stand-down of emergency levels 	Section 0: Overview <i>0.4.2 Response Organizations</i> Section 2: Roles and Responsibilities <i>2.1.2 Demobilization / Post Incident Procedures</i> <i>2.8 Liaison Manage</i> Plains Incident Management Handbook: <i>Roles and Responsibilities: Liaison Officer</i> Section 5: Communications and Media <i>All</i>
Establishment of incident management systems	Section 0: Overview <i>0.4.1 Response Principles</i> <i>0.4.7 Incident Command System</i> <i>0.4.8 ICS Planning Cycle</i> Section 2: Roles and Responsibilities <i>All</i>	

D071	Regulatory Requirement	ERP Section
	Activation of a reception centre	Plains Incident Management Handbook: <i>Roles and Responsibilities: Reception Centre Group Supervisor</i> Section 4: Public Protection Measures <i>All</i> Section 9: Site Specific Information <i>Reception Centres</i>
2.1.1 (5)	The licensee must include all the information in Appendix 4 in its corporate-level ERP.	Section 1: Initial Response <i>1.3.4 Level of Emergency</i>
2.1.1 (6)	The licensee must define appropriate actions, including public protection measures that would be taken for each level of emergency.	Section 1: Initial Response <i>1.3 Initial Response Checklist</i> Section 3: Responder Safety and Public Protection <i>All</i>
2.1.2 (7)	The licensee must describe its procedures for contacting and maintaining communication with key licensee personnel, government agencies, support services, members of the public, and the media.	Section 0: Overview <i>0.4.2 Response Organizations</i> Section 2: Roles and Responsibilities <i>2.8 Liaison Manager</i> <i>2.10 Public Information Manager</i> Plains Incident Management Handbook: <i>Roles and Responsibilities: Liaison Officer, Public Information Officer</i> Section 5: Communications and Media <i>All</i>
	The licensee must clearly define the responsibility to contact the ERCB and other responders in the event of an emergency.	Section 1: Initial Response <i>1.3.1 Notifications</i>

D071	Regulatory Requirement	ERP Section
	<p>The licensee must describe procedures that will be implemented during an incident to contact and maintain communication with directly impacted members of the public in order to keep them informed of the situation and the actions being taken.</p>	<p>Section 0: Overview <i>0.4.2 Response Organizations</i> Section 2: Roles and Responsibilities <i>2.8 Liaison Manager</i> <i>2.10 Public Information Manager</i> Plains Incident Management Handbook: <i>Roles and Responsibilities: Liaison Officer. Public Information Officer</i> Section 3: Responder Safety and Public Protection <i>All</i> Section 5: Communications and Media <i>All</i></p>
	<p>The licensee must describe procedures that will be used to inform and update the media and procedures in getting factual messages out to the public at large in an expeditious manner.</p>	<p>Section 5: Communications and Media <i>All</i></p>
	<p>The licensee must describe procedures to downgrade and stand-down levels of emergency.</p>	<p>Section 2: Roles and Responsibilities <i>2.1.2 Demobilization / Post Incident Procedures</i> Plains Incident Management Handbook: <i>Roles and Responsibilities: Demobilization Unit Leader</i></p>
<p>2.1.3 (8)</p>	<p>The licensee must identify the roles and responsibilities of personnel required to effectively respond to an emergency.</p>	<p>Section 2: Roles and Responsibilities <i>All</i></p>
<p>2.1.4 (9)</p>	<p>The licensee must describe how it will manage and coordinate a response to an emergency.</p>	<p>Section 1: Initial Response <i>All</i> Section 2: Roles and Responsibilities <i>All</i></p>
	<p>The licensee must address the roles and responsibilities of personnel at its on-site command post, the company regional emergency operations centre (REOC), and the corporate EOC.</p>	<p>Section 0: Overview <i>0.4.2 Response Organizations</i></p>
	<p>The licensee is expected to clearly outline the communication protocols and procedures to be used between these command centres.</p>	<p>Section 0: Overview <i>0.4.2 Response Organizations</i> Section 2: Roles and Responsibilities <i>All</i></p>

D071	Regulatory Requirement	ERP Section
2.1.5 (10)	The licensee must set out the procedures for activating a reception centre located at a safe distance from the release source, and meeting and registering evacuees at the reception centre.	Plains Incident Management Handbook: <i>Roles and Responsibilities:</i> <i>Reception Centre Group Supervisor</i> Section 3: Responder Safety and Public Protection <i>All</i> Section 9: Site Specific Information <i>Reception Centres</i>

7.1.3 Environmental Emergency Regulations (SOR/2019-51)

The following tables show the relevant sections of the Government of *Canada Environmental Emergency Regulations, 2019*, mapped to each Section within the ERP and Site Specific Environmental Emergency (E2) Plan.

These regulations aim to help reduce the frequency and severity of accidental releases of hazardous substances into the environment. Made under the *Canadian Environmental Protection Act, 1999*, they improve industry’s capacity to deal with environmental emergencies that may occur at fixed facilities across Canada.

These regulations require that any person who owns, has the charge, management or control of a regulated substance at or above certain quantities notify Environment and Climate Change Canada (ECCC). For higher-risk facilities, an environmental emergency plan must also be prepared, brought into effect and exercised.

The *Environmental Emergency Regulations, 2019* (the final regulations) were published in the Canada Gazette on March 6, 2019.

SOR/2019-51	Regulatory Requirement	ERP Section
Maximum Expected Quantity		
1(2)	For the purposes of these Regulations, the maximum expected quantity of a substance is to be determined in accordance with subsections 3(1) to (4) for the one-year period beginning on the day on which the applicable situation referred to in subsection 3(1) or (5) occurs or the one-year period beginning on the day on which a notice is submitted under section 13.	PMC Technical Asset Review/EPZ Assessment Section 9: Site Specific Information <i>Technical Data - Facilities</i> Site Specific (E2) Plan <i>ECCC Regulated Substances</i>
List of Substances		
2(1) (a) (b)	<p>For the purposes of the definition substance in section 193 of the Act, the list of substances consists of</p> <p>The substances having a CAS registry number set out in column 1 of Part 1 of Schedule 1 and that, if present in a mixture, are in a concentration that is greater than or equal to the concentration set out in column 3 of that Part; and</p> <p>The solutions having a CAS registry number set out in column 1 of Part 2 of Schedule 1, if the concentration of the solute in the solution is greater than or equal to the concentration set out in column 3 of that Part and, in the case of a solution that is present in a mixture, if the concentration of the solute in the mixture is greater than or equal to the concentration set out in column 3 of that Part.</p>	Technical Asset Review/EPZ Assessment Site Specific (E2) Plan <i>ECCC Regulated Substances</i>

SOR/2019-51	Regulatory Requirement	ERP Section
Exclusions		
2(a) (i) (ii) (b) (c) (d) (e) (f) (g) (h) (i)	<p>The following substances are excluded from the list referred to in subsection (1):</p> <ul style="list-style-type: none"> a substance that is identified in column 5 of Part 1 of Schedule 1 as combustible or likely to explode and is in a mixture that has a flashpoint greater than 23 °C and a boiling point greater than 35 °C, or is a component of natural gas in its gaseous form; a substance that is identified in column 5 of Part 1 or 2 of Schedule 1 as an inhalation hazard and is in a mixture, in gaseous or liquid form, that has a total vapour pressure of less than 1.33 kPa; a substance that is used to fuel a heating appliance or to generate power at the facility where it is located and is present in a quantity that is less than the quantity set out in column 4 of Part 1 of Schedule 1 for that substance; a substance that is regulated under the Transportation of Dangerous Goods Act, 1992 or the Canada Shipping Act, 2001; a substance that is in a pipeline that is regulated under the Canada Energy Regulator Onshore Pipeline Regulations or in a processing plant that is regulated under the CER Processing Plant Regulations; a substance that is in a pipeline located entirely within a province and that is on a property where there are no fixed onshore installations other than pipelines, compressor stations or pump stations; a substance that is in a fuel tank that is connected to and supplies the engine of a conveyance that is used for transportation; the substance set out in item 57 of Part 1 of Schedule 1, if it is in a solid form; the substance set out in item 143 of Part 1 of Schedule 1, if it is in the form of solid particles that measure more than 10 µm in diameter; and the substance set out in item 167 of Part 1 of Schedule 1, if it is in a form other than white phosphorous. 	<p>Technical Asset Review/EPZ Assessment</p> <p>Site Specific (E2) Plan</p> <p><i>ECCC Regulated Substances</i></p>

SOR/2019-51	Regulatory Requirement	ERP Section
Notice Regarding Substances Located at a Facility		
3(1) (a) (b)	<p>A responsible person must, within 90 days after the day on which either of the following situations occurs, submit to the Minister a notice containing the information referred to in Schedule 2 for each facility at which a substance is located:</p> <p>the total quantity of the substance, whether it is in a container system or not, is equal to or greater than the quantity set out in column 4 of Part 1 or 2 of Schedule 1 for that substance; or</p> <p>a quantity of the substance is placed in a container system that has a maximum capacity that is equal to or greater than the quantity set out in column 4 of Part 1 or 2 of Schedule 1 for that substance.</p>	<p>Schedule 2 – Submitted to Environment Canada Site Specific (E2) Plan <i>ECCC Regulated Substances</i></p>
Excluded quantities		
3(2) (a) (b) (c) (d) (e)	<p>In determining the quantity of a substance for the purposes of subsection (1), the following quantities are excluded:</p> <p>quantities of the substance that are located at the facility for a period of 72 hours or less, unless the substance is loaded or unloaded at the facility, if, during that period, the person keeps evidence of the date and time at which the quantities of the substance arrived at the facility;</p> <p>quantities of the substance that are in a container system that has a maximum capacity of 0.03 t or less;</p> <p>quantities of the substance that are found in slag, waste rock, tailings, solid residues, ores and ore concentrates;</p> <p>quantities of the substance set out in item 17 of Part 1 of Schedule 1 that are in a container system that has a maximum capacity of less than 10 t and is located at least 360 m from all points along the boundary of the facility; and</p> <p>quantities of a substance set out in item 163 of Part 1 of Schedule 1 or item 5 or 9 of Part 2 of that Schedule that are located at a farming operation for on-site use as an agricultural nutrient.</p>	<p>Technical Asset Review/EPZ Assessment</p>

SOR/2019-51	Regulatory Requirement	ERP Section
Determination of Quantity — Part 1 of Schedule 1		
3(3)	For the purposes of subsection (1), the quantity of a substance set out in Part 1 of Schedule 1 that is in a mixture is to be determined by multiplying the quantity of the mixture, expressed in tonnes, by the concentration, expressed in percentage (mass/mass), of the substance in the mixture.	Schedule 1 Technical Asset Review/EPZ Assessment
Determination of Quantity — Part 2 of Schedule 1		
3(4) (a) (b)	<p>For the purposes of subsection (1), the quantity of a substance that is a solution set out in Part 2 of Schedule 1 is to be determined.</p> <p>in the case of a solution that is not in a mixture, by multiplying the quantity of the solution, expressed in tonnes, by the concentration expressed in percentage (mass/mass) of the solute in the solution; and</p> <p>in the case of a solution that is in a mixture, if the concentration of the solute in the solution is available, by multiplying the quantity of the mixture, expressed in tonnes, by the concentration expressed in percentage (mass/mass) of the solute in the solution and the concentration expressed in percentage (mass/mass) of the solution in the mixture, and</p> <p>if the concentration of the solute in the solution is not available, by multiplying the quantity of the mixture, expressed in tonnes, by the percentage (mass/mass) of the solution in the mixture.</p>	Schedule 1 Technical Asset Review/EPZ Assessment
Notice of Change		
3(5) (a) (b) (c)	<p>A responsible person must, within 60 days after the day on which any of the following situations occurs, submit an updated notice to the Minister that contains the information referred to in Schedule 2:</p> <p>the information that was reported under section 1 or 2 of Schedule 2 has changed;</p> <p>the maximum expected quantity that was most recently reported under paragraph 3(d) of Schedule 2 in respect of a substance has increased by 10% or more; or</p> <p>the maximum capacity that was most recently reported under paragraph 3(f) of Schedule 2 in respect of a container system, in which a quantity of a substance is contained, has increased by 10% or more.</p>	Schedule 2 – Submitted to Environment and Climate Change Canada

SOR/2019-51	Regulatory Requirement	ERP Section
Preparation		
4(1) (a) (b)	<p>A responsible person must, for each facility at which a substance is located, prepare an environmental emergency plan with respect to the substance under the following circumstances:</p> <p>if some or all of the substance is not in a container system, a responsible person has reported a maximum expected quantity under paragraph 3(d) of Schedule 2 that is equal to or greater than the quantity set out in column 4 of Part 1 of Schedule 1 for that substance; or</p> <p>if the substance is in a container system, a responsible person has reported</p> <p>under paragraph 3(d) of Schedule 2, a maximum expected quantity that is equal to or greater than the quantity set out in column 4 of Part 1 or 2 of Schedule 1 for that substance, and</p> <p>under paragraph 3(f) of Schedule 2, a maximum capacity that is equal to or greater than the quantity set out in column 4 of Part 1 or 2 of Schedule 1 for that substance.</p>	<p>Schedule 2 – Submitted to Environment Canada</p> <p>Site Specific (E2) Plan</p> <p><i>ECCC Regulated Substances</i></p>
Required Content		
4(2) (a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o)	<p>The environmental emergency plan must include the following:</p> <p>a description of the properties and characteristics of the substance and the maximum expected quantity of the substance at the facility;</p> <p>a description of the commercial, manufacturing, processing or other activity involving the substance that takes place at the facility;</p> <p>a description of the facility and of the area surrounding the facility that may be affected by an environmental emergency referred to in paragraph (d), including any hospitals, schools, residential, commercial or industrial buildings and any highways, public transit infrastructure, parks, forests, wildlife habitats, water sources or water bodies;</p>	<p>Section 9: Site Specific Information</p> <p><i>Technical Data - Facilities</i></p> <p>Site Specific (E2) Plan</p> <p><i>Location</i></p> <p><i>Directions and Access</i></p> <p><i>ECCC Regulated Substances</i></p> <p><i>Characteristics of Facility and Surrounding Area</i></p>

SOR/2019-51	Regulatory Requirement	ERP Section
	<p>an identification of any environmental emergency that could reasonably be expected to occur at the facility and that would likely cause harm to the environment or constitute a danger to human life or health, including the environmental emergency referred to in paragraph (e) and, if applicable, the environmental emergency that is more likely to occur than the environmental emergency referred to in paragraph (e) and that would have the longest impact distance outside the boundary of the facility;</p> <p>an identification of the harm to the environment or danger to human life or health that would likely result from an environmental emergency involving the release of the maximum quantity of the substance that could be contained in the container system that has the largest maximum capacity, if a quantity of the substance is in a container system, and the maximum expected quantity of the substance that will not be in a container system, if a quantity of the substance is not in a container system;</p> <p>an identification of the harm to the environment or danger to human life or health that would likely result from the environmental emergency identified under paragraph (d), if any, that is more likely to occur than the environmental emergency referred to in paragraph (e) and would have the longest impact distance outside the boundary of the facility;</p> <p>a description of the measures to be taken to prevent and prepare for the environmental emergencies identified under paragraph (d) and the measures that will be taken to respond to and recover from such emergencies if they were to occur;</p> <p>a list of the position titles of the persons who will make decisions and take a leadership role in the event of an environmental emergency and a description of their roles and responsibilities;</p> <p>a list of the environmental emergency training that has been or will be provided to prepare personnel at the facility who will respond in the event that an environmental emergency identified under paragraph (d) occurs;</p>	<p>Section 9: Site Specific Information</p> <p><i>Technical Data - Facilities</i></p> <p>Site Specific (E2) Plan</p> <p><i>Substance Specific Properties & Emergency Management</i></p> <p><i>Roles & Responsibilities</i></p> <p><i>Training</i></p>



SOR/2019-51	Regulatory Requirement	ERP Section
	<p>a list of the emergency response equipment that is necessary for the measures described in paragraph (g) and the equipment's location;</p> <p>a description of the measures that will be taken by a responsible person or by a responsible person and local authorities, acting jointly, to communicate with the members of the public who may be adversely affected by the environmental emergency referred to in paragraph (f) to inform them, before the environmental emergency occurs, of</p> <p>the possibility that the environmental emergency could occur,</p> <p>the potential effects of the environmental emergency on the environment and on human life or health, taking into account the factors referred to in paragraphs (a) to (c), and</p> <p>the measures that will be taken by the responsible person to protect the environment and human life or health, and the means by which the responsible person will communicate with them, in the event that the environmental emergency occurs;</p> <p>a description of the measures that will be taken by a responsible person or by a responsible person and local authorities, acting jointly, to, in the event that an environmental emergency involving the release of a substance occurs, communicate with the members of the public who may be adversely affected to provide them, during and after its occurrence, with information and guidance concerning the actions that could be taken by them to reduce the potential harm to the environment and danger to human life or health, including an explanation of how those actions may help to reduce the harm or danger;</p> <p>the position title of the person who will communicate with the members of the public referred to in paragraphs (k) and (l);</p> <p>a description of the consultations that a responsible person had with local authorities, if any, with respect to the measures referred to in paragraph (k) and (l); and</p> <p>a plan of the facility showing the location of any substances in relation to the physical features of the facility.</p>	<p>Site Specific (E2) Plan</p> <p><i>Public Communication</i></p> <p><i>Local Authority Communication</i></p> <p><i>Facility Map & Plot Plan</i></p> <p><i>Facility Site Section</i></p>

SOR/2019-51	Regulatory Requirement	ERP Section
Existing Plan		
4(3)	For the purposes of subsection (1), a responsible person may use an environmental emergency plan that has been prepared on a voluntary basis, or for another government or under another Act of Parliament, if that plan meets the requirements of subsection (2) or is amended so that it meets those requirements.	Site Specific (E2) Plan
Adequate measures		
4(4)	The measures included in the environmental emergency plan must be adequate to address the objectives of preventing, preparing for, responding to and recovering from the environmental emergencies identified under paragraph (2)(d).	Site Specific (E2) Plan <i>Substance Specific Properties & Emergency Management</i>
Notice – preparation of plan		
5	Within six months after the day on which an environmental emergency plan is required to be prepared under subsection 4(1), a responsible person must inform the Minister that they have prepared the plan or are using a previously prepared plan in accordance with subsection 4(3) by submitting a notice that contains the information referred to in Schedule 3.	Schedule 3 - Submitted to Environment and Climate Change Canada
Bringing into effect		
6	Within 12 months after the day on which an environmental emergency plan is required to be prepared under subsection 4(1), a responsible person must bring the plan into effect and submit a notice to the Minister that contains the information referred to in Schedule 4.	Schedule 4 - Submitted to Environment and Climate Change Canada
Simulation Exercise		
7(1) (a) (b)	A responsible person must conduct simulation exercises in relation to each environmental emergency plan that is prepared under subsection 4(1) as follows: each year, beginning on the day on which the plan is brought into effect, a simulation exercise in respect of one substance from each of the hazard categories referred to in column 5 of Parts 1 and 2 of Schedule 1, using an environmental emergency identified under paragraph 4(2)(d) as the emergency being simulated; and every five years, beginning on the day on which the plan is brought into effect, a full-scale simulation exercise in respect of any one substance, using an environmental emergency referred to in paragraph 4(2)(e) or (f) as the emergency being simulated.	Section 7: Reference Materials <i>7.2 Training Requirements</i> <i>EM Training Matrix</i>

SOR/2019-51	Regulatory Requirement	ERP Section
Cycle for simulation exercises		
7(2)	For the purposes of paragraph (1)(a), a simulation exercise conducted in respect of a substance belonging to a given hazard category must simulate a different environmental emergency for each subsequent simulation exercise until all of the environmental emergencies identified under paragraph 4(2) (d) for each of the substances belonging to that hazard category have been simulated, after which the environmental emergencies must be cycled through again.	Section 7: Reference Materials <i>7.2 Training Requirements</i> <i>EM Training Matrix</i>
7(3)	Paragraph (1)(a) does not apply in respect of a year during which a full-scale simulation exercise is conducted under paragraph (1)(b).	Section 7: Reference Materials <i>7.2 Training Requirements</i>
Record of simulation exercise		
8	After each simulation exercise is conducted in relation to the environmental emergency plan, a responsible person must prepare a record that contains the date, a summary and the results of the simulation exercise and any modifications to be made to the plan as a result of the simulation exercise	Section 7: Reference Materials <i>7.2 Training Requirements</i> <i>Training Records</i> <i>Exercise Reports</i>
Notice — simulation exercises conducted		
9	A responsible person must, within five years after the day on which the environmental emergency plan is brought into effect under section 6, submit a notice to the Minister containing the information referred to in Schedule 5 concerning the simulation exercises conducted in relation to an environmental emergency plan.	Schedule 5 - Submitted to Environment and Climate Change Canada
Updates to the plan		
10	A responsible person must review and, if necessary, update the environmental emergency plan at least once a year to ensure that it continues to meet the requirements of subsection 4(2) and keep a record of the date of the review.	<i>Revision History</i>
Access		
11	A responsible person must make a copy of the environmental emergency plan readily available at the facility referred to in subsection 4(1) and at any other place where a copy of the plan needs to be kept for consultation by the individuals who are to carry it out.	<i>Distribution List</i>

SOR/2019-51	Regulatory Requirement	ERP Section
Measures under paragraph 201(1)(b) 12		
12	The emergency measures that are to be taken under paragraph 201(1)(b) of the Act include the measures to respond to and recover from an environmental emergency that are set out in the environmental emergency plan. of Act	Section 1: Initial Response <i>All</i> Section 4: Incident Specific Measures <i>All</i> Section 7: Reference Materials <i>7.8 Canadian Environmental Protection Act (E2) Requirements</i>
Periodic Submission of Notices Notice regarding a substance		
13	If a notice has been submitted under subsection 3(1), a responsible person must submit a new notice to the Minister that contains the information referred to in Schedule 2 no later than five years after the day on which the most recent notice containing that information was submitted.	Schedule 2 – Submitted to Environment and Climate Change Canada
Notice of simulation exercise		
14	If a notice has been submitted under section 9, a responsible person must submit a new notice to the Minister that contains the information referred to in Schedule 5 no later than five years after the day on which the most recent notice containing that information was submitted.	Schedule 5 - Submitted to Environment and Climate Change Canada
Change in Circumstances Change in quantity or capacity		
15(1) (a) (b)	If a notice has been submitted under subsection 3(1) in respect of a substance located at a facility, a responsible person must submit a notice to the Minister if the total quantity of the substance located at the facility is, for a period of one year, less than the quantity set out in column 4 of Part 1 or 2 of Schedule 1 for that substance; or a quantity of the substance is, for a period of one year, no longer found in a container system at the facility that has a maximum capacity that is equal to or greater than the quantity set out in column 4 of Part 1 or 2 of Schedule 1 for that substance	Schedule 1 Schedule 2 – Submitted to Environment and Climate Change Canada

SOR/2019-51	Regulatory Requirement	ERP Section
Time limit for submission		
15(2) (b)	The notice must contain the information referred to in Schedule 6 and be submitted no later than 60 days after the end of the period referred to in paragraph (1)(a) or (b), as the case may be.	Schedule 6 - Submitted to Environment and Climate Change Canada
Cessation of operations		
16	A responsible person who intends to cease operations for a period of one year or more at a facility where a substance is located, for any purpose other than maintenance, must submit a notice containing the information referred to in Schedule 7 to the Minister at least 30 days before the day on which operations are to cease, or as soon as feasible in the case of extraordinary circumstances such as fire, major accident, vandalism, natural disaster or act of terrorism.	Schedule 7 - Submitted to Environment and Climate Change Canada
Transfer of ownership of facility		
17	If there is a transfer of the ownership of a facility where a substance is located, a responsible person must, if a notice has been submitted under subsection 3(1) in respect of the substance, submit a notice containing the information referred to in Schedule 7 to the Minister on or before the date of the transfer.	Schedule 7 - Submitted to Environment and Climate Change Canada
Reporting of Environmental Emergencies Paragraph 201(1)(a) of Act		
18(1) (a) (b) (c)	For the purposes of these Regulations, paragraph 201(1)(a) of the Act applies only in relation to an environmental emergency that has or may have an immediate or long-term harmful effect on the environment; constitutes or may constitute a danger to the environment on which human life depends; or constitutes or may constitute a danger in Canada to human life or health.	Section 7: Reference Materials <i>7.8 Canadian Environmental Protection Act (E2) Requirements</i> Section 8: Government Agencies and Local Authorities 8.1 Incident, Spill and Release Reporting Requirements <i>Federal Reporting Requirements</i>

SOR/2019-51	Regulatory Requirement	ERP Section
Written Report — designated person		
18(2)	The person who is designated to be provided with a written report respecting the occurrence of an environmental emergency involving a substance that is on the list referred to in section 2 is the Regional Director, Environmental Enforcement Directorate, Enforcement Branch, Department of the Environment, in the region where the environmental emergency occurs.	Section 7: Reference Materials <i>7.8 Canadian Environmental Protection Act (E2) Requirements</i> Section 8: Government Agencies and Local Authorities 8.1 Incident, Spill and Release Reporting Requirements <i>Federal Reporting Requirements</i>
Written Report — required contents		
18(3)	The written report must include the information referred to in Schedule 8.	Schedule 8 - Submitted to Environment and Climate Change Canada
Submission Requirements Certification		
19(1)	Any information that is required to be submitted under these Regulations, and any written report provided under paragraph 201(1)(a) of the Act, must be accompanied by a certification, signed and dated by the person who is required to submit the information or provide the report, or by their authorized representative, stating that the information or report is accurate and complete.	Signed Declaration
Additional information		
19(2)	If the certification is provided by an authorized representative, the authorized representative must provide their name, telephone number and email address.	Signed Declaration
Electronic submission under these Regulations		
20(1)	Any information that is required to be submitted to the Minister under these Regulations must be submitted electronically in the form and format specified by the Minister and bear the electronic signature of the person who is required to submit the information or of their authorized representative.	N/A

SOR/2019-51	Regulatory Requirement	ERP Section
Electronic submission — written report of environmental emergency		
20(2)	Any written report provided under paragraph 201(1)(a) of the Act to an enforcement officer or the person referred to in subsection 18(2) must be submitted electronically in the form and format specified by the Minister and bear the electronic signature of the person who is required to submit the report or of their authorized representative.	N/A
Submission on paper		
20(3)	If the Minister has not specified a form and format or if it is not feasible to submit the information or report electronically because of circumstances beyond the person's control, the information or report, as the case may be, must be submitted on paper in the form and format specified by the Minister, if any, and be signed by the person or their authorized representative.	N/A
Record Keeping		
21(1)	Any records prepared in accordance with sections 8 and 10 must be kept at the facility referred to in subsection 4(1).	N/A
Seven years		
21(2)	The records referred to in subsection (1) must be kept for a period of not less than seven years beginning on the day on which they are prepared.	N/A
Transitional Provision Application of section 3		
22	For the purposes of section 3, if either of the situations described in paragraph 3(1)(a) or (b) occurs in respect of a facility before the day on which these Regulations come into force, a responsible person must submit the notice referred to in subsection 3(1) to the Minister within 90 days after the day on which these Regulations come into force.	Schedule 2 – Submitted to Environment and Climate Change Canada

7.2 Training Requirements

PMC is committed to ensure that personnel involved in an emergency response fully understand their roles and the roles of others with whom they may interact during an incident. To meet this commitment and to ensure personnel respond effectively, training activities will include:

Exercise Frequency

- Table Top or Communication Exercises must be performed annually for all federal and/or provincial regulated ERPs.
- Full Scale Major Exercises must be performed once every 3 years for all federal and/or provincial regulated ERPs.
- Table Top Exercise must be performed annually for all E2 registered sites, including a more extensive simulation exercise every five years

Table Top Exercise

- Designed to explore emergency situation, free of time constraints, with an emphasis on learning, discussion and group problem solving
- Review initial response processes/standards, communication protocols and managing a response effort from the Incident Command Post.
- The exercise complexity, scope and duration will vary based on the pre-defined exercise objectives and may include EOC and/or government agency participation.

Full Scale Exercise

- Designed to fully activate the Emergency Response Plan and prompt the involvement of:
 - Applicable government agencies with simulation of non-participating agencies.
 - Applicable Local and Health Authorities, with simulation of non-participating authorities.
 - Public, stakeholders and media may be simulated.
 - Corporate Emergency Operations Centre and resources.
- The exercise complexity, scope and duration will vary based on the pre-defined exercise objectives and external participation.

Specialized Emergency Response Training

- Emergency response training can be facilitated as a standalone session or as training module(s) in conjunction with table top and full scale exercises. These training sessions include, but are not limited to:
 - **Incident Command System (ICS) Training** - Standalone certified ICS, ICS role specific and/or PMC designed ICS courses.
 - E.g. ICS 200/300, ICS Management by Objectives, ICS Planning Section, etc.
 - **Specialty Emergency Response Tactical Training**- Exercises and specialty training sessions that involve the deployment of response equipment.
 - E.g. Spill Response On-water, Spill Response On-ice, Boat Handling, etc.
 - **Functional Group Training** - Training sessions facilitated for a specific PMC Department(s) or Functional Group.
 - E.g. Stakeholder Notification, Trucking, Logistics, Health & Safety, etc.

- **Specialty Training Modules** – Training modules generally facilitated in conjunction with exercises to enhance responder knowledge and competency.
 - E.g. Public Protection, Front Line Media, ICS Refresher, ERP Orientation, etc.

First Responder Continuing Education Sessions

- Designed to provide continual education for first responders, local authorities and government agencies regarding energy sector emergency response. Continuing education messages are supplied to applicable stakeholders on a 2 year alternating basis via:
 - First responder information handouts, public information handouts and area maps.
 - Face to face presentations, site tours and local authority consultations.
 - Phone updates when requested and on an as needed basis.
- All stakeholders identified within the program are educated on the following:
 - Emergency Response Plans/Emergency Procedures Manuals.
 - Emergency response procedures and incident specific measures
 - Roles and responsibilities of various responders.

7.4 Acronyms

Emergency Management

AOBD	Air Operations Branch Director	JIC	Joint Information Centre
BD	Branch Director	LO	Liaison Officer
COML	Communications Unit Leader	LSC	Logistics Section Chief
DMOB	Demobilization Unit Leader	MUL	Medical Unit Leader
DOCL	Documentation Unit Leader	NIMS	National Incident Management System
EOC	Emergency Operations Centre	OSC	Operations Section Chief
EMS	Emergency Medical Services	OSRO	Oil Spill Response Organization
EMT	Emergency Medical Technician	PIO	Public Information Officer
EUL	Environmental Unit Leader	PROV IC	Provincial Incident Commander
Fed IC	Federal Incident Commander	PSC	Planning Section Chief
FNIC	First Nation Incident Commander	RAR	Resources at Risk
FSC	Finance/Administration Section Chief	RARTHSP	Resources at Risk Technical Specialist
GIS	Geographic Information System	RO	Response Organization
GSUL	Ground Support Unit Leader	RP	Responsible Party
HAZMAT	Hazardous Materials	RPIC	Responsible Party Incident Commander
HAZSUB	Hazardous Substances	RUL	Resources Unit Leader
H/C	Historic/Cultural	SAR	Search and Rescue
IAP	Incident Action Plan	SCAT	Shoreline Cleanup Assessment Team
IC	Incident Commander	SITL	Situation Unit Leader
ICP	Incident Command Post	SO	Safety Officer
ICS	Incident Command System	SSHP	Site Safety and Health Plan
IMH	Incident Management Handbook	SITREP	Situation Report
IMT	Incident Management Team	TFR	Temporary Flight Restrictions
INT	Intelligence Officer	THSP	Technical Specialist
ISB	In-situ Burn	UC	Unified Command
ISD	Incident Status Display	UL	Unit Leader

Security

ACTCMP	Alberta Counter-Terrorism Crisis Management Plan
AERCB	Alberta Energy Resources Conservation Board
BC OGC	British Columbia Oil & Gas Commission
CAPP	Canadian Association of Petroleum Producers
CCV	Closed Circuit Video Surveillance
CER	Canada Energy Regulator
CGA	Canadian Gas Association
CPTED	Crime Prevention Through Environmental Design
CSIS	Canadian Security and Intelligence Service
C-TPAT	Customs-Trade Partnership Against Terrorism
FAST	Free and Secure Trade
IDS	Intrusion Detection System
NRCAN	Natural Resources Canada
PSC	Public Safety Canada
PSS	Physical Security Standard
RCMP	Royal Canadian Mounted Police
SMP	Security Management Program
SOP	Standard Operating Procedures
SRA	Security Risk Assessment
STRP	Security Threat Response Plan
STVRA	Security Threat Vulnerability Risk Assessment

7.5 Glossary

Agency Representative - Individual assigned to an incident from an assisting or cooperating agency that has been delegated full authority to make decisions on all matters affecting his/her agency's participation at the incident. Agency Representatives report to the Liaison Officer upon arrival at the ICP.

Air Operations Branch Director - The person primarily responsible for preparing and implementing the air operations portion of the Incident Action Plan. Also responsible for providing logistical support to helicopters assigned to the incident.

Alert - An incident that can be handled on site by the licensee through normal operating procedures and is deemed to be a very low risk to members of the public.

Allocated Resources - Resources (personnel and equipment) dispatched to an incident.

Assigned Resources - Resources checked-in and assigned work tasks on an incident.

Assignments - Tasks given to resources to perform within a given operational period, based upon tactical objectives in the Incident Action Plan.

Assistant - Title for subordinates of the Command Staff positions. The title indicates a level of technical capability, qualifications, and responsibility subordinate to the primary positions. Assistants may also be used to supervise unit activities at camps.

Assistants could attend the same meeting to assist with scribing. Assistants do not have the authority to make decisions on behalf of their superior.

Assisting Agency - An agency which directly contributes tactical or service resources in support of an incident response.

Available Resources - Incident-based resources which are immediately available for an assignment.

Base - The location at which some logistics functions are coordinated and administered. (Incident name or other designator will be added to the term "Base"). The Incident Command Post may be collocated with the base. There is only one base per incident.

Branch - The organizational level having functional/geographic responsibility for major incident operations. The Branch level is organizationally between Section and Division/Group in the Operations Section, and between Section and Units in the Logistics Section.

Cache - A pre-determined complement of tools, equipment, and/or supplies stored in a designated location, and available for incident use.

Camp - A geographical site, within the general incident area, separate from the base, equipped and staffed to provide sleeping areas, food, water, and sanitary services to out-of-service incident personnel.

Ceiling Recommended Exposure Limit – Recommended Exposure Limit - The concentration that should not be exceeded during any part of the working exposure. An employee's exposure to a hazardous substance shall at no time exceed the ceiling value.

Check-In - The process whereby resources first report to an incident response. Check-in locations include: Incident Command Post (Resources Unit), Incident Base, Camps, Staging Areas, Helibases, and Division/Group Supervisors (for direct line assignments).

Chief - The ICS title of individuals responsible for command of functional sections: Operations, Planning, Logistics, and Finance/Administration.

Clear Text - The use of plain English in radio communications transmissions. No Ten Codes nor agency specific codes are used when using Clear Text.

Closure Order - Also known as a Fire Hazard Order. A closure order is issued to close a specific area to unauthorized personnel. The closure order area is that area within the boundaries described in an order issued by the ERCB under Section 97(1) of the Oil and Gas Conservation Act.

Command - The act of directing, ordering, and/or controlling resources by virtue of explicit legal, agency, or delegated authority. May also refer to the Incident Commander/Unified Command.

Command Post - See Incident Command Post.

Command Staff - The Command Staff consists of the Information Officer, Safety Officer, Liaison Officer, and Legal Officer, who report directly to the Incident Commander. They may have an assistant or assistants, as needed.

Communications Unit - Functional unit within the Logistics Sections responsible for Incident communications equipment and facilities, supervising the Incident Communications Centre, distributing communications equipment to incident personnel, and the maintenance and repair of communications equipment.

Control Point – A location-specific response tactic used to contain or recover oil. A river, stream or creek may include many control points along its path where response resources (boom, skimmers, etc.) may be deployed. Control Points are described in the Emergency Response Plans.

Cooperating Agency - An agency supplying assistance other than direct tactical, support, or service functions or resources to the incident control effort (Ex. Red Cross, telephone company, etc.).

Corporate Level ERP - A corporate-level ERP is used when a specific ERP is not required and contains preplanned procedures that will allow for effective response to an emergency

Cost Unit - Functional unit within the Finance/ Administration Section responsible for tracking costs, analyzing cost data, making cost estimates, and recommending cost-saving measures.

Decontamination – The process of removing or neutralizing contaminants that have accumulated on personnel and equipment.

Deputy - A fully-qualified individual who, in the absence of a superior, could be delegated the authority to manage a functional operation or perform a specific task. In some cases, a Deputy could act as relief for a superior, and, therefore, must be fully qualified in the position. Deputies can be assigned to the Incident Commander, General Staff, and Branch Directors.

Demobilization Unit - Functional unit within the Planning Section responsible for assuring orderly, safe, and efficient demobilization of incident resources.

Director - The ICS title for individuals responsible for supervising a Branch.

Dispatch - The implementation of a command decision to move resources from one place to another.

Dispatch Centre - A facility from which resources are directly assigned to an incident.

Division - The organization level having responsibility for operation within a defined geographic. The Division level is organizationally between the Task Force/Strike Team and the Branch. (See also "Group"). Divisions may be led by a Division Supervisor.

Documentation Unit - Functional unit within the Planning Section responsible for collecting, recording, and safeguarding all documents relevant to the incident.

E2 Emergency Planning Zone (E2 EPZ) - A geographical area surrounding a facility and associated on-site storage containing hazardous product that represents the most likely emergency scenario and requires specific emergency response planning by the licensee.

E2 Worst Case Zone - A geographical area surrounding a facility and associated on-site storage containing hazardous product that represents the worst case emergency scenario.

Emergency - A present or imminent event that requires prompt coordination of action or special regulation of persons or property to protect health, safety or welfare of people or to limit damage to property.

Emergency Management – Management of an emergency or incident. The PMC ICS organization is designed to fulfill the emergency management role.

Emergency Medical Technician (EMT) - A health-care specialist with particular skills and knowledge in pre-hospital emergency medicine.

Emergency Operations Centre (EOC) - A pre-designated facility established by company, agency or jurisdiction to coordinate overall jurisdictional/agency response/support to emergency response.

Emergency Planning Zone (EPZ) - A geographical area surrounding a well, pipeline, or facility containing hazardous product that requires specific emergency response planning by the licensee.

Emergency Shut Down Valve (ESD) - A valve that blocks the passage of material from both directions and can automatically close when the amount of material passing through the valve exceeding allowable limits.

ERCBH2S - A software tool that calculates site-specific EPZs using thermodynamics, fluid dynamics, atmospheric dispersion modelling, and toxicology.

Evacuation - The removal of people from the incident area or EPZ.

Explosive Limits (Lower and Upper) - Each gaseous hydrocarbon substance has a minimum (Lower Explosive Limit or LEL) and a maximum (Upper Explosive Limit or UEL) percentage in air below or above which combustion will not take place. Explosive limit and flammability limit are used interchangeably. The terms "Too Lean" and "Too Rich" are used for levels outside of the explosive range.

Facilities Unit - Functional unit within the Support Branch of Logistics Section that provide fixed facilities for incident. These facilities include Incident Base, feeding areas, sleeping areas, sanitary facilities, etc.

Finance/Administration Section - The Section responsible for all incident costs and financial considerations. Includes the; Time Unit, Procurement Unit, Compensation/Claims Unit, and Cost Unit.

Fire Hazard Order - An order issued by the ERCB during an emergency to restrict public access to a specified area.

Government Emergency Operations Centre (GEOC) - An operations centre with capacity to accommodate CMO's from each Government department. It is comprised of two centres, the Consequence Management Operations Centre (COMOC) and the Crisis Management Operations Centre (CRMOC). The GEOC was formerly known as the EMAOC or COMOC. Also called Provincial Operations Centre (POC).

Food Unit - Functional unit within the Service Branch of the Logistics Section responsible for providing meals for incident personnel.

Function - In ICS, function refers to the five major activities in the ICS, i.e., Command, Operations, Planning, Logistics, and Finance/Administration. The term function is also used when describing the activity involved, Ex. "the planning function."

General Plan - A long-range plan to manage an incident. The General Plan is used to identify long-range objectives and resource requirements. The General Plan defines time line and framework looking into future and covering the duration of response.

General Staff - The group of incident management personnel comprised of; Incident Commander, Operations Section Chief, Planning Section Chief, Logistics Section Chief, and Finance/Administration Section Chief.

Geographic Information System (GIS) - An electronic information system that provides a geo-referenced data base to support management decision-making.

Ground Support Unit - Functional unit within Support Branch of the Logistics Section responsible for fueling, maintaining, vehicle repair, and ground transportation of personnel and supplies.

Group - Groups are established to divide the incident into functional areas of operation. Groups are composed of resources assembled to perform special function not necessarily within a single geographic Division (see Division). Groups are located between Branches (when activated) and Single Resources in the Operations Section.

Hazardous Product - Substances released in quantities that may harm persons, property or the environment.

Heli-base - Location within the general incident area for parking, fueling, maintaining, and loading helicopters.

Heli-spot - Location where helicopters can take off/land. Some may be used for temporary **loading**.

High Vapour Pressure (HVP) - A pipeline system containing hydrocarbon mixture in the liquid or quasi-liquid state with a vapour pressure greater than 110 kPa absolute at 380°C. Some examples are liquid ethane, ethylene, propane, butanes, and pentanes plus. HVP lines have a vapour pressure greater than 240 kPa at 38°C (34.8 PSIG at 100°F) and include ethane, propane butane, and pentanes plus, either as a mixture or as a single component.

Hydrogen Sulphide (H₂S) - A naturally occurring gas found in a variety of geological formations and also formed by the natural decomposition of organic matter in the absence of oxygen. H₂S is colourless, has a molecular weight that is heavier than air, and is extremely toxic. In small concentrations it has a rotten egg smell and causes eye and throat irritation. Depending on the particular gaseous mixture, gas properties, and ambient conditions, a sour gas release may be

- heavier than air so that the gas cloud will tend to drop towards the ground with time (dense),
- lighter than air so the gas cloud will tend to rise with time (buoyant), or
- about the same weight as air so that it tends to neither rise nor drop but disperses (neutrally buoyant).

Ignition - Process of setting a hydrocarbon release on fire.

Incident - An unexpected occurrence or event, caused by human or natural phenomena, that requires action by upstream and/or emergency personnel, to prevent or minimize the impact on the safety or health of people, property or the environment.

Incident Action Plan (IAP) - Incident Action Plan contains Objectives reflecting the overall incident and specific strategies and tactics for the next operational period. IPAs will include attachments when complete.

Incident Area - Legal geographical area of incident including affected area(s) and traffic route(s) to corresponding storage and disposal sites.

Incident Base - See Base.

Incident Commander (IC) - Individual(s) responsible for managing all incident activities.

Incident Command Post (ICP) - Location at which the primary Command functions are executed; may be co-located with the incident base.

Incident Command System (ICS) - Standardized on-scene emergency management system specifically designed to allow its user(s) to adopt an integrated organizational structure equal to the complexity and demands of single or multiple incidents, without being hindered by jurisdictional boundaries.

Incident Communication Centre - Location of the Communications Unit and the Message Centre.

Incident Objectives - Statements of guidance and direction necessary for the selection of appropriate strategies, and tactical direction of resources. Incident objectives are based on realistic expectations of what can be accomplished when all allocated resources have been effectively deployed. Incident objectives must be achievable and measurable, yet flexible enough to allow for strategic and tactical alternatives.

Incident Management Handbook (IMH) - A pocket-size manual of guidelines regarding application of the ICS.

Incident Management Team (IMT) - Comprehensive team established at ICP to include all components of a Command, General Staff and support personnel. IMT members have delegated authority and formal responsibilities.

Incident Situation Display (ISD) - The Situation Unit is responsible for maintaining a display of status boards which communicate critical incident information vital to establishing and maintaining an effective command and control environment.

Initial Isolation Zone (IIZ) - An area in close proximity to a continuous hazardous release where indoor sheltering may provide temporary protection due to the proximity of the release.

Isolation - To separate an area or process from the rest of the plant.

Public Information Officer (PIO) - A member of the Command Staff responsible for providing incident information to the public and news media or other agencies or organizations. There is only one PIO per incident. The PIO may have assistants.

Jurisdiction - A range or sphere of authority. At an incident, public agencies have jurisdiction related to their legal responsibilities and authority for incident mitigation. Jurisdictional authority at an incident can be political/geographical (Ex. city, county, municipality, or Federal boundary lines), or functional (Ex. police department, health department, etc.). (See Multi-Jurisdiction).

Jurisdictional Agency - Agency having jurisdiction and responsibility for specific geographical area, or mandated function.

Leader - The ICS title for an individual responsible for a Task Force/Strike Team or functional Unit.

Liaison Officer (LO) - A member of the Command Staff responsible for coordinating with stakeholder groups and representatives from assisting and cooperating agencies.

Liquefied Petroleum Gas (LPG) - Mixture of heavier, gaseous hydrocarbons (butane and propane), liquefied as a portable source of energy.

Logistics Section - The Section responsible for providing facilities, services, and materials for the incident.

Lower Explosive/ Flammable limit (LEL/LFL) - The lowest concentration of gas or vapour (per cent by volume in air) that burns or explodes if an ignition source is present at ambient temperatures.

Mobile Air Quality Monitoring - The use of sophisticated portable equipment capable of measuring meteorological conditions and tracking substances such as H₂S or SO₂ and of measuring very low (ppb) atmospheric concentrations and also capable of being able to record and provide preliminary analysis (eg. averaging values over time) of the monitored readings.

Managers - Individuals within ICS organizational units who are assigned specific managerial responsibilities (Ex. Staging Area Manager or Camp Manager).

Medical Unit - Functional unit within the Service Branch of the Logistics Section responsible for developing the Medical Plan, and for providing emergency medical treatment for incident response personnel.

Message Centre - The message centre is part of the Communications Centre and collocated with or adjacent to it. It receives, records, and routes information about resources reporting to the incident, resource status, and handles administration and tactical traffic.

Multi-Agency Incident - Incident where one or more agencies assist jurisdictional agency/agencies. May be single or Unified Command.

Multi-Jurisdiction Incident - Incident requiring action from multiple agencies that have statutory responsibility for incident mitigation. In ICS, these incidents will normally be managed using a Unified Command.

Officer - ICS title for personnel responsible for Command Staff positions of Safety, Liaison, and Information.

Operational Period - Period of time scheduled for execution of given set of operational actions specified in the IAP. Operational Periods can be various lengths, usually not over 24 hours.

Operations Section - Responsible for all operations directly applicable to the primary mission. Directs unit operational plans preparation, requests or releases resources, makes expedient changes to the Incident Action Plan (as necessary), and reports such to the Incident Commander. Includes the Recovery and Protection Branch, Emergency Response Branch, Air Operations Branch, and Wildlife Branch.

Out-Of-Service Resources - Resources assigned to an incident but unable to respond for mechanical, rest, or personnel reasons.

Planning Meeting - A meeting, held as needed throughout the duration of an incident, to select specific strategies and tactics for incident control operations and for service and support planning.

Planning Section - Responsible for collecting, evaluating, and disseminating tactical information related to the incident, and for preparing and documenting IAPs. The section also maintains information on the current and forecast situation, and on the status of resources assigned to the incident. Includes the Situation, Resource, Environmental, Documentation, and Demobilization Units, and Technical Specialists.

Polrep - Pollution report.

Preplanned Strategy - Strategies developed and documented prior to an incident.

Procurement Unit - Functional unit within Finance/Administration Section responsible for financial matters involving vendor contracts.

Protective Action Zone (PAZ) - An area downwind of a hazardous release where outdoor concentration levels may result in life threatening or serious and possibly irreversible health effects to the public.

Provincial Emergency Operations Centre (PEOC) - also called GEOC

Radio Cache - A cache may consist of a number of portable radios, a base station, and, in some cases, a repeater stored in a predetermined location for dispatch to incidents.

Reception Centre - A centre established to register evacuees and to assess their needs. The centre is used to register evacuees for emergency shelter or, if temporary shelter is not required because evacuees will stay elsewhere, to ascertain where they can be contacted.

Recorders - Individuals within ICS organizational units who are responsible for recording information. Recorders may be found in Planning, Logistics, and Finance/Administration.

Regional Emergency Operations Centre (REOC) - A single operations centre established in a suitable location to manage the larger aspects of the emergency and is manned jointly by a level of government and industry staff.

Reporting Location - Any one of six facilities/locations where incident assigned resources may be checked in. The locations are: Incident Command Post-Resources Unit, Base, Camp, Staging Area, Helibase, or Division/Group Supervisors (for direct line assignments.) Check-in for each specific resource occurs at one location only.

Resources - All personnel and major items of equipment available, or potentially available, for assignment to incident tasks on which status is maintained.

Resources at Risk Technical Specialist (RAR) - Responsible for identifying at risk resources from exposure to spilled oil by analyzing known and anticipated oil movement, the location of natural cultural and economic resources.

Resource Status - Describes the current operational status of response resources. ICS recognizes three definitions - available, assigned and out-of-service. Oil spill resource tracking also recognizes an en-route status.

Resources Unit - Functional unit within the Planning Section responsible for recording the status of resources committed to the incident. The Unit also evaluates resources currently committed to the incident, the impact that additional responding resources will have on the incident, and anticipated resource needs.

Responsible Party (RP) - The owner/operator (PMC) of the infrastructure which is the spill source.

RP Incident Commander (RPIC) - PMC's designated Incident Commander.

Safety Officer (SO) - A member of the Command Staff responsible for monitoring and assessing safety hazards or unsafe situations, and for developing measures for ensuring personnel safety. The Safety Officer may have assistants.

Section - The organization level having functional responsibility for primary segments of incident operation such as: Operations, Planning, Logistics, Finance/ Administration. The Section level is organizationally between Branch and Incident Commander.

Service Branch - A Branch within the Logistics Section responsible for service activities at the incident. Includes the Communications, Medical, and Food Units.

Shelter In Place - Remaining indoors for short term protection from exposure to toxic gas releases.

Single Resource - Individual, a piece of equipment and its personnel complement, or a crew or team of individuals with an identified work supervisor that can be used on an incident.

Site Safety And Health Plan (SSHP) - Site-specific document required by Provincial and Federal regulations. The SSHP, at minimum, addresses, includes, or contains the following elements: health and safety hazard analysis for each site task or operation, comprehensive operations work plan, personnel training requirements, PPE selection criteria, site-specific occupational medical monitoring requirements, air monitoring plan, site control measures, confined space entry procedures (if needed), pre-entry briefings (tailgate meetings, initial and as needed), pre-operations commencement health and safety briefing for all incident participants, and quality assurance of SSHP effectiveness.

Situation Unit - Functional unit within the Planning Section responsible for collecting, organizing, and analyzing incident status information, and for analyzing the situation as it progresses.

Situation Status - Activity of documenting and communicating operational response status.

Sulphur Dioxide (SO₂) - A colourless, water-soluble, suffocating gas formed by burning sulphur in air; also used in the manufacture of sulphuric acid. SO₂ has a pungent smell similar to a burning match. SO₂ is extremely toxic at higher concentrations. The molecular weight of SO₂ is heavier than air; however, typical releases are related to combustion therefore making the gaseous mixture lighter than air (buoyant).

Source Control - Actions necessary to control the spill source and prevent the continued release of oil or hazardous substance(s) into the environment.

Span of Control – Span of Control means how many organizational elements may be directly managed by one person. Span of Control may vary from three to seven, and a ratio of one to five reporting elements is recommended.

Staging Area - The location where incident personnel and equipment are staged awaiting tactical assignment.

Stakeholders - Any person, group, or organization affected by, and having a vested interest in, the incident and/or the response operation.

Strategy - The general plan or direction selected to accomplish incident objectives.

Strike Team - Specified combinations of the same kinds and types of resources, with common communications and a leader.

Surface Development - Occupied permanent or part-time dwellings, publicly used facilities including campgrounds, places of business, and any other surface development where the public may gather on a regular basis. Surface development includes residences that are required to egress through the EPZ and those immediately adjacent to the EPZ.

Supervisor - The ICS title for individuals responsible for directing the activities of a Division or Group.

Supply Unit - Functional unit within the Support Branch of the Logistics Section responsible for ordering equipment and supplies required for incident operations.

Support Branch - A Branch within the Logistics Section responsible for providing personnel, equipment, and supplies to support incident operations. Includes the Supply, Facilities, Ground Support, and Vessel Support Units.

Supporting Materials - Refers to the several attachments that may be included with an Incident Action Plan (Ex. communications plan, map, site safety and health plan, traffic plan, and medical plan).

Tactical Direction - Directions given by the Operations Section Chief including: the tactics appropriate for the selected strategy; the selection and assignment of resources; tactics implementation; and performance monitoring for each operational period.

Tactics - Deploying and directing resources during an incident to accomplish the desired objective.

Task Force - A group of resources with common communications and a leader assembled for a specific mission.

Technical Specialists - Personnel with special skills who can be used anywhere within the ICS organization.

Time Unit - Functional unit within the Finance/Administration Section responsible for recording time for incident personnel and hired equipment.

Unified Command (UC) - Unified team which manages an incident by establishing a common set of incident objectives and strategies. This is accomplished without loss nor abdication of agency nor organizational authority, responsibility, nor accountability.

Unit - The organizational element having functional responsibility for a specific incident planning, logistic, or finance/administration activity.

Vapour Density - A measure of the weight of the gas compared to air (air = 1).

Vapour Pressure - The pressure exerted by the vapour when the rate of evaporation is equal to the rate of condensation of the vapour.

Vessel Support Unit - Functional unit within the Support Branch of the Logistics Section responsible for implementing the Vessel Routing Plan; for fueling, maintaining, and repairing vessels and other vessel support equipment; and coordinating transportation on the water and between or among shore resources.

Volunteer - Any individual accepted to perform services by an agency which has the authority to accept volunteer services. A volunteer is subject to the provisions of the authorizing statute or regulations.

7.6 Characteristics of H₂S and SO₂

Characteristics and Dangers of Hydrogen Sulphide (H₂S)

- Found in decaying organic matter, natural oil and gas, silos and sewers.
- Found at gas temperatures above -60°C.
- Flammable – burns to form SO₂.
- Odour of rotten eggs at low concentrations that kills all sense of smell at higher concentrations.
- Will tend to disperse more slowly in sheltered or calm low lying areas.
- Extremely toxic.
- At lower concentrations (20-50 ppm) irritates mucous membranes (eyes, throat, lungs), causes headaches, dizziness, nausea, may cause pulmonary edema (fluid in the lungs) upon prolonged exposure.
- High concentrations (500-1000 ppm) may cause paralysis of the respiratory centre in the brain and breathing stops.

H₂S Toxicity Table

Concentration H ₂ S in Air (ppm)	Description of Potential Health Effects
1	A noticeable odour that may be offensive to some individuals. People may temporarily experience mild symptoms of discomfort, including nausea, headache, and irritability due to the odour. Asthma symptoms may worsen.
10-20	An obvious offensive odour. Temporary eye irritation may occur after a single exposure and last several hours. Symptoms include mild itchiness, dryness, increased blink reflex and slight watering. Some people may experience headaches, nausea and vomiting. Symptoms of asthma, bronchitis or other forms of chronic respiratory disease may worsen.
50	A strong, intense offensive odour that may irritate eyes and breathing passages. Eyes may be itchy, stinging, and red with increased blinking, tearing and tendency to rub eyes. Breathing passages could feel tingly or sting, with increased tendency to clear throat and cough. Symptoms of pre-existing respiratory disease may worsen. No permanent injury to eyes or breathing passages is expected unless exposure is prolonged. Odour-sensitive individuals may experience headaches, nausea, vomiting and diarrhea.
100	Initially there is a strong objectionable odour that lessens with prolonged exposure due to olfactory "fatigue." Eyes and breathing passages are often irritated within one hour of exposure. Eyes may be sore, stinging, burning, tearing, redness, swelling of eyelids, and possible blurred vision. Respiratory irritation may include sore throat, cough, soreness or stinging of breathing passages, and wheezing. The symptoms of asthma, bronchitis or other forms of chronic respiratory disease will worsen. Odour may cause headache, nausea, vomiting and diarrhea.

Concentration H ₂ S in Air (ppm)	Description of Potential Health Effects
250	There may or may not be an odour present due to olfactory paralysis. Eyes and breathing passages will become irritated within minutes of exposure, and the irritation will worsen with longer exposure. The outer surface of the eyes and inner eyelids will be inflamed, red and sore. Eyes will begin watering and tearing immediately and vision may be blurred. Eyes may be permanently harmed if exposure is prolonged. Respiratory irritation will include sore throat, cough, difficulty breathing, soreness of chest, and wheezing. Asthma symptoms will worsen. People may experience “systemic” effects, including headache, nausea and vertigo depending on duration of exposure.
500	No odour is present due to olfactory paralysis. Severe irritation and possible permanent injury to the eyes and breathing passages within 30 minutes of exposure. Lung and breathing passage damage may cause „chemical pneumonia“ following exposure if the exposure was prolonged. Systemic effects involving the central nervous system may occur within one hour of exposure and include headache, anxiety, dizziness, loss of coordination and slurred speech. People may lose consciousness or collapse suddenly, and die if exposure persists.
750	No odour is present due to olfactory paralysis. Central nervous system effects will be most obvious, and could include anxiety, confusion, headache, slurred speech, dizziness, stumbling, loss of coordination, and other signs of motor dysfunction. People may lose consciousness, collapse suddenly and possibly die, if exposure continues for more than a few minutes. Lung and breathing passage damage will likely cause „chemical pneumonia“ among survivors.
1000	Immediate “knock-down” and loss of consciousness. Death within moments to minutes. Immediate medical attention needed if victim is to survive.

NOTE: Adapted from: Technical Advisory Committee on Public Health and the Oil and Gas Industry, Environmental Public Health Manual for Oil and Gas Activities in Alberta, 2007

Characteristics and Dangers of Sulphur Dioxide (SO₂)

- This is a choking gas, unlike H₂S, and one wants to move to an area where the discomfort is not experienced.
- Formed by the combustion of H₂S or sulphur and is non-flammable.
- Found as a gas at temperatures above -10°C.
- Has the odour that occurs when a wooden match is extinguished.
- Highly irritating – dissolves to form sulphuric acid.
- At lower concentrations irritates eyes, nose and throat, causes difficulty in breathing and shortness of breath.
- Causes pulmonary edema at high concentrations – may be fatal. Effects on heavy smokers are more severe.

SO₂ Toxicity Table

Concentration SO ₂ in Air (ppm)	Description of Potential Health Effects
0.1	Transient bronchoconstriction ¹ in sensitive exercising asthmatic individuals that ceases when exposure ceases. ²
0.3 – 1	Possible detection by taste or smell.
0.75	Transient lung function changes in healthy, moderately exercising, non-asthmatic individuals.
1 – 2	Lung function changes in healthy non-asthmatics. Symptoms in asthmatics would likely increase in severity. There may be a shift to clinical symptoms from changes detectable only via spirometry.
3.0	Easily detected odour.
6 – 12	May cause nasal and throat irritation.
10	Upper respiratory irritation, some nosebleeds.
20	Definitely irritating to the eyes; chronic respiratory symptoms develop; respiratory protection is necessary.
50 – 100	Maximum tolerable exposures for 30 – 60 minutes.
Greater than 100	Immediate Danger to Life (NIOSH recommendation).

¹ At low levels, bronchoconstriction was generally observed as changes in airway conductance detectable by spirometry rather than as clinical symptoms.

² It should be noted that clinical studies on humans are generally designed to elicit a response and consequently subject study volunteers to challenging conditions such as exercising, mouth breathing, cold, dry air, etc. Real-life responses in asthmatics should be viewed as being individual-specific dependent on severity of asthma, whether the individuals are medicated or not, how cold and/or dry the air is, mouth breathing (vs. nose-breathing, which can act as an effective scrubber mechanism), and exercise.

NOTE: Adapted from: Technical Advisory Committee on Public Health and the Oil and Gas Industry, Environmental Public Health Manual for Oil and Gas Activities in Alberta, 2007

7.7 Emergency Response Assistance Canada (ERAC) Questions

The following questions with respect to Emergency Response Assistance Canada (ERAC) may be asked by federal regulatory authorities if they visit your location. As a plan participant of Emergency Response Assistance Canada (ERAC) it is incumbent upon you to understand and be aware of your role and responsibilities within Emergency Response Assistance Canada (ERAC). The questions you may be asked are:

Is there a copy of the ERAP for LPG emergencies at the site visited? (If not, where is it stored?)

The ERAP for LPG emergencies is stored on the PMC internal website as well as a CD copy is stored at the PMC Emergency Operations Centre (EOC) located in Calgary.

What is the title and date on the ERAP document?

Emergency Response Assistance Plan, May 30, 2013

Who completes the following tasks during an LPG emergency, PMC and/or Emergency Response Assistance Canada (ERAC)?

1. Secures accident site upon arrival?

Emergency Response Assistance Canada (ERAC)

2. Calls Emergency Response Assistance Canada (ERAC) ERAP activation telephone and takes direction from Emergency Response Assistance Canada (ERAC) Response Managers?

PMC

3. Conducts site assessment to identify hazards?

Emergency Response Assistance Canada (ERAC)

4. Implements emergency response procedures as outlined in the Emergency Response Assistance Plan (ERAP)?

Emergency Response Assistance Canada (ERAC)

5. Conducts formal accident assessment? (Including inspect damaged transport vehicle, etc.)

Emergency Response Assistance Canada (ERAC)

6. Notifies appropriate regulatory authorities?

Person(s) in care and control of the product (Ex. Trucker and/or PMC).

7. Contacts local residents?

PMC

8. Transfers dangerous goods from damaged containment?

Emergency Response Assistance Canada (ERAC)

9. Responsible for obtaining and providing the recovery means of containment? (Ex. truck tank(s) or rail car(s))?

PMC

10. Person(s) responsible for any communications? (Ex. media, public, corporate)

PMC

11. Provides transportation to incidents which cannot be accessed by land? (Ex. barge off shore)

PMC

7.8 Canadian Environmental Protection Act (E2) Requirements

Environment Canada requires any petroleum operator who has charge, management, or control of substances in excess of threshold limits listed in ‘*Schedule 1 of the Canadian Environmental Protection Act*’ to:

- Submit notices (some periodic) to inform ECCC of compliance with the regulatory requirements
- Prepare an Environmental Emergency Plan (E2 Plan) and review and update it, if necessary, at least once per year
- Bring the E2 Plan into effect to make sure the facility is ready to respond to an accidental release
- Conduct simulation exercises of the E2 Plan each year, a more extensive simulation exercise every five years and prepare a record after each exercise to be kept for a minimum of 7 years
- Keep a copy of the E2 Plan readily available at the facility and other places where it is needed

For details about the PMC storage facilities, Facility Licence Numbers, Facility Codes, types of containers, substances stored [United Nations (UN) Number], guide numbers, quantities, volumes, transportation methods, transportation frequencies, and Canadian Transport Emergency Centre (E2) Zones refer to the appropriate PMC Site-Specific Supplemental Section.

Description of Surrounding Area

For area specific Emergency Response Plans (ERPs) - Refer to 9.2 *General Area Description* for a description of the surrounding area.

For area specific Emergency Response Tactical Plans (ERTPs) – Refer to 5.2 *General Area Information* for a description of the surrounding area.

Emergency Response Planning

- For a map showing the E2 Zone(s) refer to *Section 9: Area Specific Information: Maps and Plot Plans* and *Environmental Emergency Plan*.
- For a plot plan refer to *Section 9: Area Specific Information: Maps and Plot Plans*.
- For the location of the surface developments inside the E2 Zone(s) refer to *Section 9: Area Specific Information: Maps and Plot Plans* and *Environmental Emergency Plan*.
- To identify the various roadways and waterways/water bodies inside the E2 Zone(s) refer to *Section 9: Area Specific Information and Environmental Emergency Plan (Characteristics of the Facility and Surrounding Area)*.
- For the list of applicable ECCC Sensitive Receptors and Response Considerations in the E2 Zones(s) refer to *Section 9: Area Specific Information: Environmental Emergency Plan (Characteristics of the Facility and Surrounding Area)*.
- For government agencies that may be affected by an environmental emergency refer to the appropriate Site-Specific Supplemental Section and *Environmental Emergency Plan*.
- For mutual aid refer to the mutual section in *Section 8: Government Agencies and Local Authorities*.
- For procedures to carry out response activities refer to *Section 2: Roles and Responsibilities*.

Prevention and Mitigation

PMC has in place the following key elements of safety management:

- Risk assessment – as appropriate the following questions have been reviewed:
 - Is the product bullet or storage tank properly installed and a proper maintenance schedule followed?
 - Is the product bullet or storage tank free of any corrosion and damage?
 - If required, is the piping painted?
 - Is the product bullet or storage tank an adequate distance from buildings?
 - Is the product bullet or storage tank or systems (including piping) of which they are part of protected from damage from vehicles?
 - Is the area around the product bullet or storage tank well ventilated and free of any possible ignition source?
 - Is the area around the product bullet or storage tank free from combustible material?
 - Is the product bullet or storage tank properly grounded to avoid static accumulation?
 - Are operators of the equipment instructed to wear appropriate personal protective equipment (PPE)?
 - Are any hoses or fittings visually inspected before use?
 - Have the employees been certified in the proper use and handling of NGLs and condensate?
 - Have all employees and anyone else who may be responsible for implementing this plan been made aware of their responsibilities and have the necessary skills and training?
- The systems are designed and constructed to specific industry standards.
- PMC has preventive maintenance checks and programs.
- PMC is committed to maintaining effective operating procedures and facility documentation.
- Operator competence is ensured through determining the type and amount of training each employee requires upon hiring.
- Process and procedures are in place to ensure that changes in design, service, or staff are effectively managed to minimize impacts on operations.
- Incident investigation and analysis is conducted to minimize reoccurrence
- Regular review is carried out to assess compliance to standards.

Preparedness - Most Reasonable Worst Case Scenario

Using a HAZOP risk assessment technique or similar, PMC has identified the Most Reasonable Worst Case Scenario of an Environmental Emergency to include the following.

- A valve leak from a product bullet or storage tank.
- A product bullet or storage tank spill or leak becoming ignited.
- A cascading (secondary effect) fire igniting the product bullet or storage tank.

PMC has identified that “Common and Reasonable Alternative Scenarios” would most likely be a leak or spill while loading or unloading a product bullet or storage tank.

PMC has identified the potential consequences from an environmental emergency on the environment and human life or health to be serious injury or fatality in the event of an explosion or leak.

Emergency Preparedness Standards

Refer to *Section 8: Government Agencies and Local Authorities* for specific provincial or regulatory training and exercise requirements. PMC emergency management program standards are outlined in *7.2 Training Requirements*. This includes details regarding orientations, specialized emergency response training, table tops, full scale exercises, and exercise records.

Recovery

PMC will shut in the affected pipeline or facility, assess and respond to the environmental impacts in compliance with all regulation, only bringing the pipeline system or facility back on stream in the most efficient manner. PMC has the resources and financial ability to respond and recover from any environmental emergency.

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7.9 Transportation of Dangerous Goods (TDG)

PMC is required to report a release or anticipated release of dangerous goods that are being offered for transport, handled or transported by road vehicle, railway vehicle or vessel must, as soon as possible after a release or anticipated release, make an emergency report to any local authority that is responsible for responding to emergencies at the geographic location of the release or anticipated release if the dangerous goods are, or could be, in excess of the quantity set out in the following table:

TABLE		
Class	Packing Group or Category	Quantity
1	II	Any quantity
2	Not applicable	Any quantity
3, 4, 5, 6.1 or 8	I or II	Any quantity
3, 4, 5, 6.1 or 8	III, or without packing group	30 L or 30 kg
6.2	A or B	Any quantity
7	Not applicable	A level of ionizing radiation greater than the level established in section 39 of the Packaging and Transport of Nuclear Substances Regulations, 2015
9	II or III, or without packing group	30 L or 30 kg

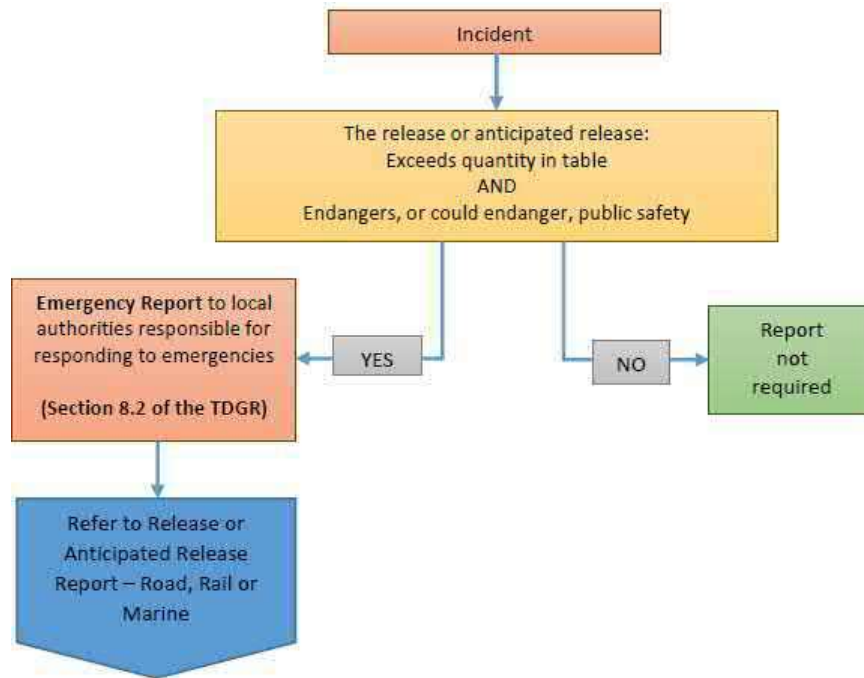
SOR/2016-95, s. 10 SOR/2017-253, s. 52 SOR/2019-101, s. 9

Types of reports required by Transport Canada

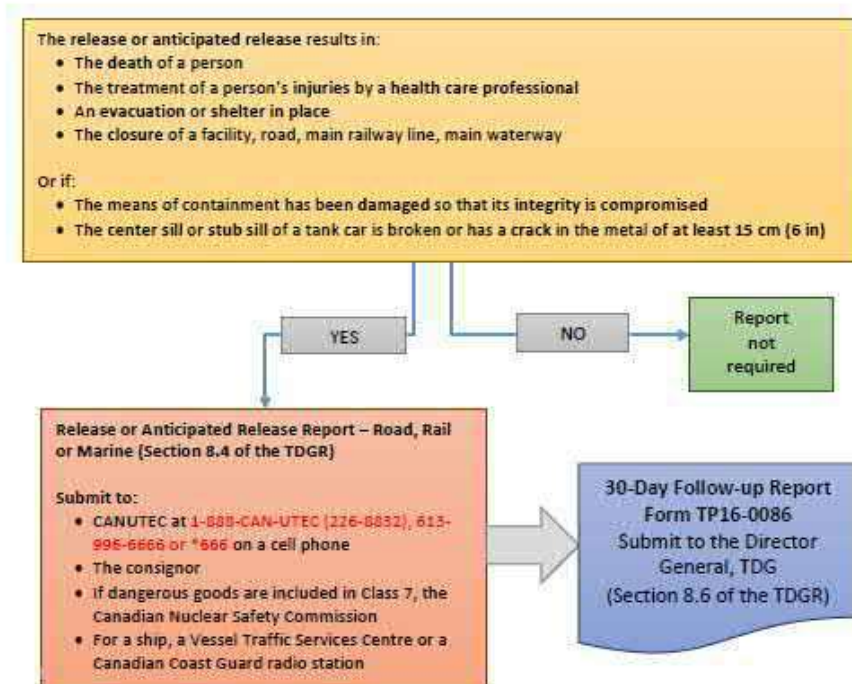
Part 8 of the *Transportation of Dangerous Goods Regulations SOR/2001-286* (Reporting Requirements) requires a number of different report types. When certain conditions are met, persons subject to the TDG Regulations must submit one of the report types below.

- Reports for the Transport of Dangerous Goods by Road, Rail and Marine
- Emergency Report – Road, Rail or Marine (Section 8.2 of the TDG Regulations)
- Release or Anticipated Release Report – Road, Rail or Marine (Section 8.4 of the TDG Regulations)
- 30-Day Follow-up Report (Section 8.6 of the TDG Regulations)
- Reports for the Transport of Dangerous Goods by Air
- Dangerous Goods Accident or Incident Report – Air (Section 8.9 of the TDG Regulations)
- 30-Day Follow-up Report (Section 8.11 of the TDG Regulations)
- Undeclared or Misdeclared Dangerous Goods Report (Section 8.14 of the TDG Regulations)
- Dangerous Goods Occurrence Report (ICAO) (Section 8.15.1 of the TDG Regulations)
- Reports Relating to Security – All Modes of Transport
- Loss or Theft Report (Section 8.16 of the TDG Regulations)
- Unlawful Interference Report (Section 8.18 of the TDG Regulations)

Flowchart for Emergency Report – Road, Rail or Marine



Flowchart for a release or anticipated release report - Road, Rail or Marine by telephone



In the event of an emergency involving dangerous goods, call CANUTEC at **1-888-CAN-UTEC** (226-8832), **613-996-6666** or ***666** on a cellular phone. CANUTEC's emergency response advisors provide immediate advice over the phone about the actions to take and to avoid during a dangerous goods emergency. They can also send technical information to local authorities responsible for responding to emergencies by email or fax during an incident.

In the case of dangerous goods included in **Class 1, Explosives** included in Class 1.1, 1.2, 1.3, 1.4 (except for 1.4S), 1.5 or 1.6, a Natural Resources Canada inspector at 613-995-5555

In the case of dangerous goods included in **Class 7, Radioactive Materials**, the **Canadian Nuclear Safety Commission** at **1-844-879-0805**.

Refer to the following link to access the Transport Canada *Guide for Reporting Dangerous Goods Incidents*:

https://tc.canada.ca/sites/default/files/2022-03/guide_for_reporting_dangerous_goods_incidents_2021.pdf

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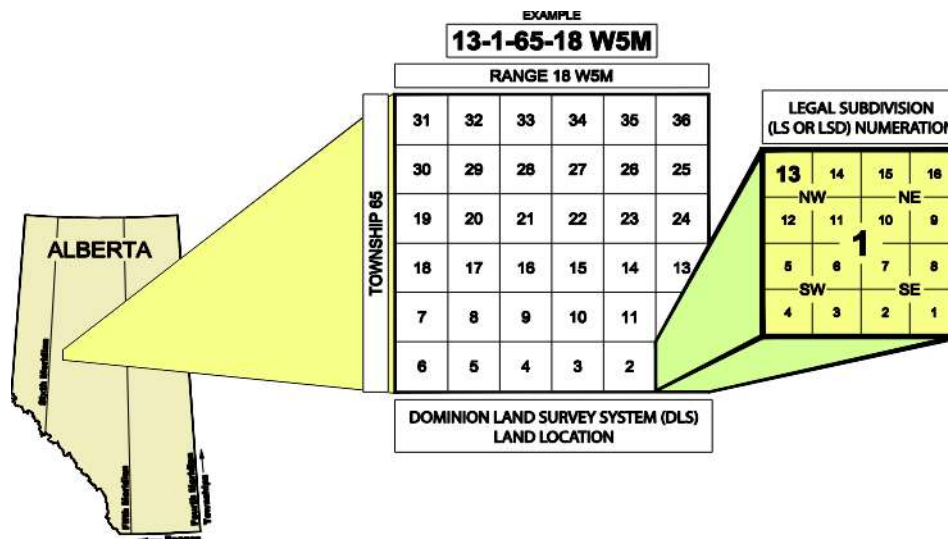
7.10 Dominion Land Survey System (DLS)

Alberta, Saskatchewan and Manitoba

PMC is required to report a release or anticipated release of dangerous goods that are being offered Any parcel of land can be located by its legal land description. Legal land descriptions are based on the Dominion Land Survey System. The Dominion Land Survey System is a grid network dividing most of Western Canada into equal-sized parcels of land.

Under the Dominion Land Survey System, land is designated as being west of a meridian. Between meridians are six-mile wide columns called Ranges. Ranges are numbered consecutively from east to west starting at Range 1 west of each meridian. Range numbers reset to 1 at each meridian. Townships are six-mile wide rows that intersect ranges and are numbered consecutively from Township 1 at the Montana border to Township 126 at the Northwest Territories border.

The term township also describes the six by six square mile formed by the intersection of ranges and townships. Townships are divided into 36 sections, each section measuring one by one mile. Sections can then be divided into quarters (NE, NW, SE, SW) or into 16 legal subdivisions (LSD or LS) as indicated. The legal description of the section highlighted in the diagram would be written as follows:



Legal Land Description

	LSD or LS	Section	Township	Range	Meridian
Example	13	01	065	18	West of the 5th

Definitions

Section: is a piece of land that measures one mile by one mile

Quarter: is a quarter section

Township: is a block of 36 sections, measuring six miles by six miles

Meridian: is a north-south line used as a reference point. The primary meridian is west of Winnipeg and is the basis for the land surveying throughout the Prairies

7.11 Concessions and Lots

Ontario

Most of southern Ontario employs a survey system based on counties, townships, concessions, and farm lots. A county is grouped together by several named townships of unequal size and shape. Each township was divided into strips called concessions. Think piano keys. The concessions were further divided into 100, 200, or 300-acre lots. The names of these concessions with their township and the lot numbers are all part of the legal description of the property.

Most concessions are named with a simple number like 1, 2, 3 (often shown as Roman numerals) or letter like A, B, C. But many townships, perhaps most townships, have several concessions with unique designations. For example, Lot 7, Concession 5, Sandwich. In the example Sandwich represents a township.

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8.1 Incident, Spill and Release Reporting Requirements

8.1.1 Alberta Reporting Requirements

Alberta Energy Regulator (AER) Reporting Requirements
<p>What should be reported?</p> <ul style="list-style-type: none"> • Any substance release that may cause, is causing, or has caused an adverse effect* • Any unrefined product release of more than 2 m³ on lease • Unrefined product release off lease • Any substance release into a waterbody • Any pipeline release or pipeline break (including during pressure testing) • Pipeline hits • Any uncontrolled gas release of more than 30 000 m³ • Any well flowing uncontrolled • Any fire caused by a flare or incinerator • Any fire causing a loss of more than 2 m³ of oil or 30 000 m³ of gas, or causing damage to a wellhead • Any fire that occurs on an oil sands site that results in the deployment of major fire-fighting equipment <p>Minimum information to include:</p> <ul style="list-style-type: none"> • The location and time of the release • A description of the circumstances leading up to the release • The type and quantity of the substance released • Details of any actions taken and proposed to be taken at the release site to contain, recover, and remediate the release • A description of the release location and the immediate surrounding area • The AER authorizations number(s) if available <p><small>*Adverse effect is defined as “impairment of or damage to the environment, human health, or safety or property.” Adverse effect may be determined by any number of factors, including the following: the chemical and physical characteristics of substance released, the receiving media, the location of the release, and the risk to the environment. The onus is on the person who causes, permits, or has control of the release to determine whether there is a potential adverse effect.</small></p>
Alberta Environment and Parks (AEP) Reporting Requirements
<p>What should be reported?</p> <ul style="list-style-type: none"> • Releases of refined product, e.g., diesel, gasoline, sulphur and solvents if: <ul style="list-style-type: none"> ➢ The release meets or exceeds reporting thresholds listed in the table in Section 8.2 TDG Regulations. ➢ Any quantity is released into a water course, groundwater or surface water, even if the release does not meet or exceed reporting thresholds. ➢ Any quantity of a substance listed as toxic, prohibited or restricted in the Canadian Environmental Protection Act is released. • When an Alberta Environment and Parks (AEP)/AER-approved facility exceeds an approval condition or when flaring has occurred that has the potential to cause an adverse effect. • Contravention of Alberta Environment and Parks (AEP) approvals. • Odours/fugitive emissions from refined products in Alberta Environment and Parks (AEP)/AER-approved facilities. • Any spill, release or emergency that may cause, is causing or has caused an adverse effect to the environment must be immediately reported.

Alberta Environment and Parks (AEP) Reporting Requirements, continued

When and How to Report

Immediately report verbally to the AER Energy and Environmental Emergency 24-Hour Response Line **(1-800-222-6514)**. The reports will be disseminated to the appropriate regulatory body (e.g., AER or AEP) based on the activity, location, and extent of the release. The following information is required when reporting a release to the response line:

1. The name of the person responsible, if known
 2. The AER authorization number, if applicable
 3. The type and quantity of substance released
 4. The location (legal land description) and time of the release
 5. A description of the release location and immediate surrounding area
 6. A description of any actions proposed or taken at the release site to contain, recover, or remediate the release
 7. A description of the circumstances leading up to the release, if known
- The AER Release Report Form is used for a release of an unrefined or refined substance that may cause or will cause an adverse effect. Provide the Release Report to the applicable AER Field Centre within seven days of the incident.
 - If reporting emergencies from outside Alberta, please call 780-422-4505.

Adverse Effect - is defined by the Environmental Protection and Enhancement Act as “impairment of or damage to the environment, human health or safety, or property.”

For the purpose of reporting, the industry shall use the following guidelines to assess whether the release may cause, is causing or has caused an adverse effect:

- Any third party impact (off-lease), e.g., crop damage, vegetation damage and livestock impact.
- Unrecovered spilled substance likely to contaminate surface or groundwater.
- Contaminated groundwater and/or surface water.
- Release or spill has potential for offsite odour complaints.
- Toxic or flammable release to air going offsite.

Chemical Class	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Alberta (AER) Reporting Requirements
Class 1 Explosives	Any quantity of Packing Group II	Any quantity in Class 1.1, 1.2, and 1.3 Total quantity of 450 kg or more in Class 1.4 (except 1.4S), 1.5, or 1.6	All releases which could pose a danger, or 50 kg
Class 2.1 Flammable Gases	Any quantity	Total quantity of 450 kg or more	All releases which could pose a danger, or any sustained release of 10 minutes or more
Class 2.2 Non-Flammable Gases		No TDG Reporting Requirements	30,000 m ³
Class 2.3 Toxic Gases (poisonous or corrosive)		Any quantity	All releases which could pose a danger, or any sustained release of 10 minutes or more
Class 3 Flammable liquids	Any quantity of Packing Group I or II More than 30 L or 30 kg of Packing Group III	Total quantity of 450 kg or more of desensitized explosives Any quantity of UN1261, Nitromethane	<p>> 2m³ on-site</p> <p>Any release off-site (Report to AER and notify landowner)</p> <p>Any release that has caused, is causing, or may cause an adverse effect</p> <p>Any release into a water body, or a watercourse, groundwater, or surface water</p>
Class 4.1 Flammable solids		Total quantity of 450 kg or more of desensitized explosives Any quantity of UN1357, Urea Nitrate, with not less than 20% water, by mass; UN3370, Urea Nitrate, Wetted, with not less than 10% water by mass	
Class 4.2 Spontaneously Combustible		Total quantity of 450 kg or more in Packing Groups I or II	
Class 4.3 Dangerous when wet		Total quantity of 450 kg or more in Packing Groups I or II	

Chemical Class	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Alberta (AER) Reporting Requirements
Class 5.1 Oxidizing substances		Total quantity of 450 kg or more in Packing Groups I or II Any quantity of UN1485, Potassium Chlorate; UN1486, Potassium Nitrate; UN 1487, Potassium Nitrate and Sodium Nitrate Mixture; UN1489, Potassium Perchlorate; UN1495, Sodium Chlorate; UN1498, Sodium Nitrate; UN1499 Sodium Nitrate and Potassium Nitrate Mixture; UN1511, Urea Hydrogen Peroxide; UN1942 Ammonia Nitrate, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substances; UN2014 Hydrogen Peroxide, Aqueous Solution with not less than 20% but not less than 60% hydrogen peroxide (stabilized as necessary); UN2015, Hydrogen Peroxide, Stabilized; UN2031, Nitric Acid, other than red fuming; UN3149, Hydrogen Peroxide and Peroxyacetic Acid Mixture with acid(s), water and not more than 5% peroxyacetic acid, stabilized	> 2 m ³ on-site Any release off-site (Report to AER and notify landowner) Any release that has caused, is causing, or may cause an adverse effect Any release into a water body, or a watercourse, groundwater, or surface water
Class 5.2 Organic peroxides		Any quantity in Class 5.2, Type B, liquid or solid, temperature controlled	1 kg or 1 L
Class 6.1 Toxic substances		Any quantity of Packing Group I	> 2 m ³ on-site Any release off-site (Report to local AER office and notify landowner) Any release that has caused, is causing, or may cause an adverse effect Any release into a water body, or a watercourse, groundwater, or surface water
Class 6.2 Infectious substances	Any quantity of Category A or B	Any quantity	All releases

Chemical Class	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Alberta (AER) Reporting Requirements
<p>Class 7 Radioactive materials</p>	<p>For packages being transported under exclusive use: (i) 10 mSv/h on the external surface (ii) 2 mSv/h on the surface of the conveyance, and (iii) 0.1 mSv/h at a distance of 2 m from the surface</p> <p>For packages not being transported under exclusive use:</p> <p>(i) 2 mSv/h on the external surface (ii) 0.1 mSv/h at a distance of 1m from the package, (iii) 2 mSv/h on the surface of the conveyance, and (iv) 0.1 mSv/h at a distance of 2m from the surface of the conveyance.</p>	<p>Any quantity</p>	<p>Discharge or radiation level exceeding 10 mSv/h at package surface & 200 u Sv/h, 1 m from the package surface</p>
<p>Class 8 Corrosives</p>	<p>Any quantity of Packing Group I or II</p> <p>30 L or 30 kg of Packing Group III</p>	<p>Total quantity of 450 kg or more in Packing Group I or II</p> <p>Any quantity of UN1796, Nitrating Acid Mixture with more than 50% nitric acid; UN1826, Nitrating Acid Mixture, Spent, with more than 50% nitric acid; UN2032, Nitric Acid, Red Fuming</p>	<p>> 2 m³ on-site</p> <p>Any release off-site (Report to local AER office and notify landowner)</p> <p>Any release that has caused, is causing, or may cause an adverse effect</p> <p>Any release into a water body, or a watercourse, groundwater, or surface water</p>
<p>Class 9 Miscellaneous products, substances or organisms</p>	<p>25 kilograms or 25 litres</p> <p>30 L or 30 kg of Packing Group II or III, or without Packing Group</p>	<p>No TDG Reporting Requirements</p>	<p>25 kg or 25 L</p>

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8.1.2 Saskatchewan Reporting Requirements

Saskatchewan Ministry of Energy and Resources (ER) Reporting Requirements
<p>What should be reported?</p> <ol style="list-style-type: none"> 1. Any off-lease spills of upstream petroleum product, including spills during transport. 2. Contact damage to a flowline or pipeline that does not result in a break or leak. 3. Any on-lease release of oil, condensate, emulsion or salt water that is less than 10.0 m³ or 10,000 L. 4. Pipeline or flowline failure(s) including those with no loss of fluids.
<p>When and how to report?</p> <ul style="list-style-type: none"> • Immediately notify the Ministry’s Emergency Support line at 1-844-764-3637. • Complete an Initial Incident Notification in Integrate Resource Information System (IRIS) within five business days. • Complete a Detailed Incident Report in IRIS within 90 days of the submission of the initial incident report <p><u>NOTE:</u></p> <ol style="list-style-type: none"> 1. Contact damage to a pipeline or flowline that does not result in a break and any on-lease releases of petroleum products that is less than 10.0 m³ requires notification using IRIS only.

Saskatchewan Ministry of Environment Reporting Requirements
<p>What should be reported?</p> <ul style="list-style-type: none"> • Any spill, release or emergency that may harm the environment or pose a risk to public health or safety. • All spills of refined products that exceed the reporting limits in The Environmental Spill Control Regulations (refer to the Appendix, Spills to be reported if Amounts Equal or Exceed Table. There are 118 products, materials, and substances on this list.) • All spills of refined products that enter a main watercourse or navigable water body. • All spills of refined products that occur while under transport. • Any quantity of a chemical released into a watercourse, groundwater or surface water.
<p>When and how to report?</p> <ul style="list-style-type: none"> • Immediately report to Saskatchewan Ministry of Environment Spill Report Line at 1-800-667-7525. • Provide a written report to Saskatchewan Ministry of Environment within 7 days. [Canadian Environmental Protection Act Section 201 requires a written report within 30 days.] <p><u>NOTE:</u></p> <ol style="list-style-type: none"> 1. Written report can be submitted through the Environment Application Portal service.

Saskatchewan Water Security Agency (WSA) Reporting Requirements
<p>What should be reported?</p> <ul style="list-style-type: none"> • Any release that affects, or may affect waterbodies, raw water supplies or potable water sources.
<p>When and how to report?</p> <ul style="list-style-type: none"> • Immediately report to WSA Spill Report Line at 1-844-536-9494.

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Chemical Class	Substance/ Example	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Saskatchewan Enviro / ER Reporting Requirements	
				On-Site	Off-Site
Class 1 Explosives	Ammunition Nitro-glycerine	Any quantity of Packing Group II	Any quantity in Class 1.1, 1.2, and 1.3 Total quantity of 450 kg or more in Class 1.4 (except 1.4S), 1.5, or 1.6	All releases which could pose a danger or 50 kg	
Class 2.1 Flammable Gases	H ₂ S	Any quantity	Total quantity of 450 kg or more	Any Volume, 1000 ppm or 1 mole/Kmole or the released volume poses a danger	
	Methane Propane Butane Natural Gas			All releases which could pose a danger, 50 kg, or any sustained release of 10 minutes or more	
Class 2.2 Non- Flammable Gases	Compressed Air O ₂ N ₂ CO ₂		No TDG Reporting Requirements	All releases which could pose a danger or Compressed Gas: non-Halocarbon containing (including oxygen) – a sustained release of 10 minutes or more Compressed Gas: Halocarbon containing – 100 kg	
Class 2.3 Toxic Gases (poisonous or corrosive)	H ₂ S		-	Any Volume, 1000 ppm or 1 mole/Kmole or the released volume poses a danger	
	SO ₂ Hydrogen Cyanide Nitric Acid Anhydrous Ammonia	Any quantity	Any amount		
Class 3 Flammable liquids	Lube Oil	Any quantity of Packing Group I or II	Total quantity of 450 kg or more of desensitized explosives Any quantity of UN1261, Nitromethane	500 L	200 L
	Gasoline Diesel Methanol Demulsifiers Scale Inhibitors	More than 30 L or 30 kg of Packing Group III		500 L or any subsurface loss	200 L or any subsurface loss
Class 4.1 Flammable solids	Calcium Resinate Naphthalene Crude	Any quantity of Packing Group I or II More than 30 L or 30 kg of Packing Group III	Total quantity of 450 kg or more of desensitized explosives Any quantity of UN1357, Urea Nitrate, with not less than 20% water, by mass; UN3370, Urea Nitrate, Wetted, with not less than 10% water by mass	100 kg	25 kg
Class 4.2 Spontaneously Combustible	Activated Carbon Potassium Sulphide Phosphorus		Total quantity of 450 kg or more in Packing Groups I or II		

Chemical Class	Substance/ Example	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Saskatchewan Enviro / ER Reporting Requirements	
				On-Site	Off-Site
Class 4.3 Dangerous when wet	Molten Sulphur Calcium Carbide Sodium Activated Carbon				
Class 5.1 Oxidizing substances	Calcium Nitrate Ammonium Nitrate Bleaches	Any quantity of Packing Group I or II More than 30 L or 30 kg of Packing Group III	Total quantity of 450 kg or more in Packing Groups I or II Any quantity of UN1485, Potassium Chlorate; UN1486, Potassium Nitrate; UN 1487, Potassium Nitrate and Sodium Nitrate Mixture; UN1489, Potassium Perchlorate; UN1495, Sodium Chlorate; UN1498, Sodium Nitrate; UN1499 Sodium Nitrate and Potassium Nitrate Mixture; UN1511, Urea Hydrogen Peroxide; UN1942 Ammonia Nitrate, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substances; UN2014 Hydrogen Peroxide, Aqueous Solution with not less than 20% but not less than 60% hydrogen peroxide (stabilized as necessary); UN2015, Hydrogen Peroxide, Stabilized; UN2031, Nitric Acid, other than red fuming; UN3149, Hydrogen Peroxide and Peroxyacetic Acid Mixture with acid(s), water and not more than 5% peroxyacetic acid, stabilized	Packing Groups I & II 50 kg or 50 L Packing Group III 100 kg or 100 L	Packing Groups I & II 2.5 kg or 2.5 L Packing Group III 50 kg or 50 L
Class 5.2 Organic peroxides	Methyl Ethyl Ketone Peroxide Succinic Acid Peroxide	Any quantity of Packing Group I or II More than 30 L or 30 kg of Packing Group III	Any quantity in Class 5.2, Type B, liquid or solid, temperature controlled	2.5 kg or 2.5 L	1 kg or 1 L

Chemical Class	Substance/ Example	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Saskatchewan Enviro / ER Reporting Requirements	
				On-Site	Off-Site
Class 6.1 Poisonous toxic substances	Arsenic Lead Acetate Mercuric Oxide Methanol Toxic Pesticides		Any quantity of Packing Group I	Packing Group I 2.5 kg or 2.5 L Packing Groups II & III 10 kg or 10 L	Packing Group I 1 kg or 1 L Packing Groups II & III 5 kg or 5 L
Class 6.2 Infectious substances	Infectious Substances affecting Humans / Animals	Any quantity of Category A or B	Any quantity	All releases	
Class 7 Radioactive Substances	Uranium Plutonium Naturally Occurring Radioactive Materials (N.O.R.M.)	For packages being transported under exclusive use: (i) 10 mSv/h on the external surface (ii) 2 mSv/h on the surface of the conveyance, and (iii) 0.1 mSv/h at a distance of 2 m from the surface For packages not being transported under exclusive use: (i) 2 mSv/h on the external surface (ii) 0.1 mSv/h at a distance of 1m from the package, (iii) 2 mSv/h on the surface of the conveyance, and (iv) 0.1 mSv/h at a distance of 2m from the surface of the conveyance.	Any quantity	As per permit/approval conditions for the operation/facility. Where there is no permit/approval.	Any quantity
Class 8 Corrosives	Acids Bases Batteries Caustic Amine	Any quantity of Packing Group I or II 30 L or 30 kg of Packing Group III	Total quantity of 450 kg or more in Packing Group I or II Any quantity of UN1796, Nitrating Acid Mixture with more than 50% nitric acid; UN1826, Nitrating Acid Mixture, Spent, with more than 50% nitric acid; UN2032, Nitric Acid, Red Fuming	10 kg or 10 L	5 kg or 5 L
Class 9 Miscellaneous Products, Substances & Organisms, Environmentally Hazardous Substances	P.C.B. Asbestos Polystyrene Beads Gas Plant Filters Benzoic Acid Chromic Acetate Cupric Sulphate	30 L or 30 kg of Packing Group II or III, or without Packing Group	No TDG Reporting Requirements	N/A	
Class 9.1			No TDG Reporting Requirements	Miscellaneous Except PCB Mixtures 100 kg	Miscellaneous Except PCB

Chemical Class	Substance/ Example	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Saskatchewan Enviro / ER Reporting Requirements	
				On-Site	Off-Site
Miscellaneous (except and with PCB mixtures)					Mixtures 25 kg or 25 L
Class 9.2 Aquatic Toxic				PCB Mixtures 50 grams net PCB content	
				1 kg or 1 L	
Class 9.3 Wastes (chronic toxic)	Drilling Fluids & Wastes	No TDG Reporting Requirements		10 kg or 10 L	5 kg or 5 L
	Frac Wastes			2000 L (Enviro) or Any volume released that is not approved under GL99-01 (ER)	Any quantity
	Oil By-products			2000 L (Enviro) or Any volume released that is not approved under GL2000-01 (ER)	Any quantity
	Industrial Wastes			2000 L (Enviro) or Any volume released that is not approved under GK97-02 (ER)	Any quantity
Other	Non-Class 3 Plant based oils and fuels	No TDG Reporting Requirements	No TDG Reporting Requirements	1000 kg or 1000 L	500 kg or 500 L
	Non-Class 3 Petroleum Substances			500 L	250 L
	Sewage			500 L	200 L
	Refined chemicals used in the maintenance, production or operation of a well, facility, pipeline or flowline			N/A	300 L
				500 L 0.5m ³ or 500 L (ER)	Any quantity

Other SK incidents subject to notification and reporting applicable to the petroleum industry but do not fit the above table format					
Type	Incident	Substance	Location	Description	
General field operations	Fire	All	All	Any fires resulting from the operation of a licensed well, facility pipeline or flowline.	
	Release or spill	Naturally Occurring Radioactive Materials (NORM)	All	Any volume	
		Oil by-products or oily produced sands	All	All	Any volume released that is not approved under GL97-02
	Blow-out	All	All	Any uncontrolled release of gases or fluid from a well	
	Kicks	All	All	Any controlled diversion of gases or fluid from the well to a flare tank	
Pipeline or flowline operation	Contact damage	All	All	Any contact damage to a flowline or pipeline	
	Break	All	All	Any break to a flowline or pipeline	
	Leak, malfunction of any equipment or a worker error resulting in the escape or release of a substance	Oil, salt water, condensate or other product	Off-Site	All	Any volume
		Gas containing Hydrogen Sulphide (H ₂ S)	On-Site	All	All releases that are > 2.0 cubic metres (m ³) of fluid
		Natural Gas	All	All	Any volume at any concentration
			All	Any volumes where: 1. The released volume exceeds 30,000 m ³ 2. The release is within a road or railway right-of-way 3. The release is within 150 metres of any dwelling	
Horizontal directional drilling (pipeline/flowline installation)	Release, spill or frac-out	Drilling fluid	All	Any volume	
Drilling or fracturing operation	Release or spill	Drilling wastes	All	Any volume released that is not approved under GL99-01	
		Fracturing wastes	All	Any volume released that is not approved under GL2000-01	
Well or facility operation	Break, leak, malfunction of any equipment or intentional or unintentional action resulting in an escape or release	Oil, salt water, condensate, oil and gas waste, emulsion or product	On-Site	All volumes > 2 m ³ or 2000 L requires reporting but only volumes > 10 m ³ or 10,000 L require notification	
		Refined chemical	Off-Site	Any volume	
	Escape or release	Gas containing H ₂ S	On-Site	All	All volumes > 0.5 m ³ or 500 L
			All	Any volumes where: 1. The concentration of H ₂ S exceeds 0.1% or 1000 ppm or 1.0 mole H ₂ S/kilomole from solids, liquids or gas during production or transportation (truck or transmission via pipeline/flowline) 2. The released volume poses a danger to human health, domestic animals, wildlife or the environment	

Substance	Hazard Type	On-Site	Off-Site
Emulsion	Environmental	2000 L	Any Amount
Refined chemicals used in or in association with the maintenance, production or operation of a well, facility, pipeline or flowline	Environmental	500 L	Any Amount
Oil, salt water, condensate, oil and gas waste or product	Environmental	2000 L	Any Amount
Hydrogen Sulphide (H ₂ S)	Toxic Gas	1000 ppm or 1 mole/Kmole	1000 ppm or 1 mole/Kmole
Drilling wastes, frac wastes, oil by-products (Oily produced Sands)	Environmental	2000 L	Any Amount
Plant-based oils and fuels (Not Hazard Class 3), (e.g. Canola, sunflower, linseed oils, bio-diesel)	Environmental	500 L	250 L
Glycols (inhibited and uninhibited) (e.g. antifreeze, heat transfer fluids)	Environmental	100 L	50 L
Non-Class 3 Petroleum Substances (e.g. new and used lubricating oils, mineral oils, hydraulic fluids)	Environmental	500 L	200 L
Industrial Wastes	Environmental	1000 Kg or 1000 L	500 Kg or 500 L
Sewage	Environmental	N/A	300 L

8.1.3 Manitoba Reporting Requirements

Manitoba Natural Resources and Northern Development – Petroleum Branch
<p>What should be reported?</p> <ul style="list-style-type: none"> • A spill that occurs on or spreads to land off the well-site or the site of the oil and gas facility. • A release of an unrefined product. • Any liquid spill greater than 0.5 m³ • Any release or imminent release of a contaminant that may pose a risk to public health or the environment. • Spill - an uncontrolled or unauthorized escape or flow of oil, gas, salt water or other potentially harmful fluid from a well, oil and gas facility or vehicle used to produce, process, store or convey oil and gas.
<p>When and how to report?</p> <ul style="list-style-type: none"> • Immediately report by calling the Manitoba Natural Resources and Northern Development – Petroleum Branch 24 hour emergency number. • Complete a written report and provide to the ARD within 7 days of the incident.

Manitoba Environment Climate and Parks Reporting Requirements
<p>What should be reported?</p> <ul style="list-style-type: none"> • Any release that enters a main watercourse or navigable water body. • Any release that occurs while under transport. • The volume of product exceeds 100 L. • Manitoba’s mandatory reporting of environmental accidents is essentially the same as those reportable quantities regulated and listed by the Federal Transportation of Dangerous Goods Act and the Canadian Environmental Protection Act (with some more stringent variations).
<p>When and how to report?</p> <ul style="list-style-type: none"> • Immediately report by calling the Manitoba Conservation 24-hour reporting line for environmental emergencies at 204-944-4888. • Complete a written report and provide to Manitoba Conservation within 7 days of the incident.

Chemical Class	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Manitoba Conservation & Climate Reporting Requirements
Class 1 Explosives	Any quantity of Packing Group II	Any quantity in Class 1.1, 1.2, and 1.3 Total quantity of 450 kg or more in Class 1.4 (except 1.4S), 1.5, or 1.6	All releases
Class 2.1 Flammable Gases	Any quantity	Total quantity of 450 kg or more	100 L container capacity
Class 2.2 Non-Flammable Gases		No TDG Reporting Requirements	
Class 2.3 Toxic Gases		Any quantity	All
Class 2.4 Corrosive Gases	No TDG Reporting Requirements	No TDG Reporting Requirements	All
Class 3 Flammable liquids	Any quantity of Packing Group I or II More than 30 L or 30 kg of Packing Group III	Total quantity of 450 kg or more of desensitized explosives Any quantity of UN1261, Nitromethane	100 L
Class 4.1 Flammable solids		Total quantity of 450 kg or more of desensitized explosives Any quantity of UN1357, Urea Nitrate, with not less than 20% water, by mass; UN3370, Urea Nitrate, Wetted, with not less than 10% water by mass	1 kg
Class 4.2 Spontaneously Combustible		Total quantity of 450 kg or more in Packing Groups I or II	
Class 4.3 Dangerous when wet		Total quantity of 450 kg or more in Packing Groups I or II	

Chemical Class	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Manitoba Conservation & Climate Reporting Requirements
Class 5.1 Oxidizing substances		Total quantity of 450 kg or more in Packing Groups I or II Any quantity of UN1485, Potassium Chlorate; UN1486, Potassium Nitrate; UN 1487, Potassium Nitrate and Sodium Nitrate Mixture; UN1489, Potassium Perchlorate; UN1495, Sodium Chlorate; UN1498, Sodium Nitrate; UN1499 Sodium Nitrate and Potassium Nitrate Mixture; UN1511, Urea Hydrogen Peroxide; UN1942 Ammonia Nitrate, with not more than 0.2% combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substances; UN2014 Hydrogen Peroxide, Aqueous Solution with not less than 20% but not less than 60% hydrogen peroxide (stabilized as necessary); UN2015, Hydrogen Peroxide, Stabilized; UN2031, Nitric Acid, other than red fuming; UN3149, Hydrogen Peroxide and Peroxyacetic Acid Mixture with acid(s), water and not more than 5% peroxyacetic acid, stabilized	1 kg or 1 L for packaging groups I & II 50 kg or 50 L for packaging group III
Class 5.2 Organic peroxides		Any quantity in Class 5.2, Type B, liquid or solid, temperature controlled	1 kg or 1 L
Class 6.1 Toxic substances		Any quantity of Packing Group I	1 kg or 1 L for packaging group I 5 kg or 5 L for packaging groups II & III
Class 6.2 Infectious substances	Any quantity of Category A or B	Any quantity	All releases

Chemical Class	(TDG) Road, Rail or Marine Amount	(TDG) Loss or Theft Amount	Manitoba Conservation & Climate Reporting Requirements
Class 7 Radioactive materials	<p>For packages being transported under exclusive use: (i) 10 mSv/h on the external surface (ii) 2 mSv/h on the surface of the conveyance, and (iii) 0.1 mSv/h at a distance of 2 m from the surface</p> <p>For packages not being transported under exclusive use:</p> <p>(i) 2 mSv/h on the external surface (ii) 0.1 mSv/h at a distance of 1m from the package, (iii) 2 mSv/h on the surface of the conveyance, and (iv) 0.1 mSv/h at a distance of 2m from the surface of the conveyance.</p>	Any quantity	Any discharge or radiation level exceeding 10 mSv/h at package surface & 200 uSv/h, 1m from the package surface
Class 8 Corrosives	Any quantity of Packing Group I or II 30 L or 30 kg of Packing Group III	Total quantity of 450 kg or more in Packing Group I or II Any quantity of UN1796, Nitrating Acid Mixture with more than 50% nitric acid; UN1826, Nitrating Acid Mixture, Spent, with more than 50% nitric acid; UN2032, Nitric Acid, Red Fuming	5 kg or 5 L
Class 9 Miscellaneous products, substances or organisms, environmentally hazardous substances	25 kilograms or 25 litres 30 L or 30 kg of Packing Group II or III, or without Packing Group	No TDG Reporting Requirements	50 kg (except PCB mixture = 500 grams)
Class 9.1 Miscellaneous (except and with PCB mixtures)			1 kg or 1 L
Class 9.2 Aquatic Toxic			5 kg or 5 L
Class 9.3 Wastes (chronic toxic)			

8.1.4 Federal Reporting Requirements

Canada Energy Regulator (CER) Reporting Requirements
<p>What should be reported?</p> <p>A company shall immediately notify the CER of any significant incident. A significant incident is any acute event that results in:</p> <ul style="list-style-type: none"> A death. A missing person [as reportable pursuant to the Canada Oil and Gas Drilling and Production Regulations (DPR) under the Canada Oil and Gas Operations Act (COGOA) or the Oil and Gas Operations Act (OGOA)]. A serious injury (as defined in the Onshore Pipeline Regulations or TSB regulations). A fire or explosion that causes a pipeline or facility to be inoperative. A LVP hydrocarbon release in excess of 1.5 m³ that leaves company property or the right-of-way. A rupture. A toxic plume as defined in CSA Z662.
Transportation Safety Board (TSB) Reporting Requirements
<p>What should be reported?</p> <p>A company shall immediately notify the TSB as soon as possible after discovery of any significant pipeline occurrence that results in:</p> <ul style="list-style-type: none"> A death. A serious injury (defined in the Onshore Pipeline Regulations or the Transportation Safety Board Regulations). An unintended or uncontrolled low-vapour pressure (LVP) hydrocarbon release in excess of 1.5 m³ that leaves company property or occurs on or off the right-of-way. An unintended or uncontrolled sweet natural gas or HVP release > 30,000 m³. Any unintended or uncontrolled release of sour natural gas or hydrogen sulphide. A significant adverse effect on the environment (a release of any chemical or physical substance at a concentration or volume sufficient to cause an irreversible, long-term, or continuous change to the ambient environment in a manner that causes harm to human life, wildlife, or vegetation) A rupture: <ul style="list-style-type: none"> An instantaneous release that immediately impacts the operation of a pipeline segment such that the pressure of the segment cannot be maintained. A toxic plume: <ul style="list-style-type: none"> a band of service fluid or other contaminant (e.g., hydrogen sulfide or smoke) resulting from an occurrence that causes people, including employees, to take protective measures (e.g. muster, shelter-in-place or evacuation) <p>(Source: https://apps.cer-rec.gc.ca/ers) (Source: http://www.tsb.gc.ca/eng/incidents-occurrence/pipeline/index.html)</p>
When and How to Report a Significant Incident or Significant Pipeline Occurrence
<p>Immediately contact the Transportation Safety Board's 24-hour hotline at 819-997-7887.</p> <p>Also, complete the CER/TSB Online Event Reporting System (OERS) electronically at: https://apps.cer-rec.gc.ca/ers/home/index</p>
Canada Energy Regulator (CER) Definition of an Incident
<p>An "incident" is defined in section 1 of the OPR as an occurrence that results in:</p> <ul style="list-style-type: none"> The death of or serious injury to a person. A significant adverse effect on the environment. An unintended fire or explosion. An unintended or uncontained release of low-vapour pressure (LVP) hydrocarbons in excess of 1.5 m³. An unintended or uncontrolled release of gas or high-vapour pressure (HVP) hydrocarbons. The operation of a pipeline beyond its design limits as determined under CSA Z662 or CSA Z276 or any operating limits imposed by the Board. <p>(Source: https://www.cer-rec.gc.ca/bts/ctrng/gnnb/rprtnggdlns/index-eng.html)</p>

When and How to Report an Incident
<p>When the incident is not significant, complete the CER/TSB Online Event Reporting System (OERS) (https://www.cer-rec.gc.ca/bts/ctrg/gnnb/rprtnggdlns/index-eng.html).</p> <p>If in doubt as to whether the incident is significant or not, proactively and immediately contact the Transportation Safety Board's 24-hour hotline at 819-997-7887.</p>
CER/TSB Online Event Reporting System (OERS)
<p>The CER/TSB Online Event Reporting System (OERS) is intended for use by regulated companies to provide notification to the Canada Energy Regulator (CER) and Transportation Safety Board (TSB) of various events that are defined in regulation including incidents, unauthorized activities, and operations and maintenance activities. Refer to the following link https://apps.cer-rec.gc.ca/ers/home/index.</p>
Reporting Timelines
<p>Section 52 of the OPR requires companies to immediately notify the Board of any incident. Section 3 of the OPR defines Immediately Reportable Events: incidents that harm people or the environment, a rupture, or a toxic plume. The company is required to input the details required by both the TSB and the CER into OERS. The phone notification and the input of information into OERS are required to occur as soon as possible and no later than three hours of the incident being discovered.</p> <p>For all other events that do not meet any of the definitions in the TSB reporting requirements, companies are not required to phone the TSB Reporting Hotline but must report the event as soon as possible and no later than twenty-four hours after the event was discovered.</p> <p>Section 52 of the OPR also requires the submission of a Preliminary Incident Report (PIR) and a Detailed Incident Report (DIR) "as soon as is practicable". Generally, companies' initial notification of an incident will satisfy the PIR requirements. The information required for a DIR must be submitted within 12 weeks of reporting an incident. For complex incidents, companies may request an extension for submission of a DIR.</p>
Additional Reporting
<p>During any level of emergency a company will also:</p> <ul style="list-style-type: none"> ➤ Refer to the appropriate provincial Notification Matrix to determine what provincial government agencies need to be notified. ➤ Notify the provincial oil and gas regulator. The CER has Memorandums of Understandings with some provincial oil and gas regulators. As required, the provincial oil and gas regulator may provide response resources (manpower and equipment) from their field centres/offices to support the CER. ➤ Refer to the appropriate provincial Incident, Spill, and Release Reporting Requirements for any provincial/territory or Canadian Environmental Protection Act spill and release reporting requirements.
Serious Injury
<p>A serious injury includes an injury that results in:</p> <ul style="list-style-type: none"> ➤ A fracture of any bone, except simple fractures of fingers, toes or the nose. ➤ Lacerations that cause severe hemorrhage or nerve, muscle or tendon damage. ➤ An injury to an internal organ. ➤ Second or third degree burns, or any burns affecting more than 5% of the body surface. ➤ A verified exposure to infectious substances or injurious radiation. ➤ An injury that is likely to require hospitalization. <p>(Source: https://laws-lois.justice.gc.ca/eng/regulations/SOR-2014-37/FullText.html)</p>

Canadian Environmental Protection Act (E2) Reporting Requirements

These reporting requirements are set out by Environment Canada; however, notification and reporting of emergencies is through provincial and territorial authorities. Refer to the following link for list of all provincial and territorial authorities: (<https://www.canada.ca/en/environment-climate-change/services/environmental-emergencies-program/contacts-province.html>)

When an environmental emergency (i.e. a spill of a hazardous substance) occurs that involves a listed substance (as per Schedule 1 – List of Substances <http://gazette.gc.ca/rp-pr/p2/2019/2019-03-06/html/sor-dors51-eng.html>) at a fixed facility, any person who owns or has the charge, management or control of a substance or causes or contributes to the environmental emergency must take a number of actions as soon as possible.

These include:

- Calling the 24-hour telephone services in the respective province or territory where the release occurs
- Taking all measures to respond to the environmental emergency and reduce any impacts on the environment or human health
- Making a reasonable effort to contact any member of the public who may be affected by the environmental emergency
- Submitting a written report through ECCC’s Single Window Interface: <https://ec.ss.ec.gc.ca>

Transport Canada Reporting Requirements - If a spill or anticipated spill occurs during the transportation or handling of a Transportation of Dangerous Goods regulated products where the volume exceeds those specified at <https://www.tc.gc.ca/eng/canutec/emergencies-reporting-411.htm>, the spill must be immediately reported to the local police and the provincial or territorial authority. Refer to the following link for a list of all provincial and territorial authorities: (<https://www.tc.gc.ca/eng/canutec/emergencies-reporting-411.htm# How to make>).

Department of Fisheries and Oceans Canada (DFO) Reporting Requirements - If there is a release into a water body of any substance hazardous to fish, contact DFO Central and Arctic Region (only if fish bearing water body) at **204-983-5000**. In most cases where the release enters a waterbody, the provincial regulator will notify DFO.

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8.2 Government Involvement

Government agencies will contribute valuable support to Plains Midstream Canada (PMC) during an emergency by providing advice, resources and local information. The extent of the regulatory agencies and other government support will vary depending on the severity of the incident and jurisdiction. In the event of criminal activities or incident in an office setting, support and response coordination may be taken over by local authorities.

While there are procedures and responsibilities that are specific to each provincial and federal regulatory body, there are common government agency tasks that occur regardless of location:

- Respond to and assess the incident.
- Determine the appropriate agency responses to the incident.
- Ensure the lead agency has been notified.
- Activate any agency-specific municipal emergency plans (MEP).
- Activate agency-specific incident facilities (Ex. ICP, MEOC, etc.), if required.
- Activate field staff as needed.
- Activate the emergency public warning system to alert people to life threatening hazards, as required.
- Deploy representatives to Provincial Operations Centre (POC) if activated and/or required.
- Deploy personnel to the Incident Command Post (ICP) and/or Emergency Operations Centre (EOC) if requested and/or appropriate with all appropriate equipment as needed.
 - As appropriate, may be a member of unified command.
 - Fulfill a role within the Incident Management Team, as necessary.
- If necessary, declare a local State of Emergency.
- If the hazard area extends beyond the Emergency Planning Zone (EPZ), the county will coordinate evacuation of the public as well as reception centre establishment and maintenance with the industrial operator.
- Cooperate with other agencies to increase support to the response.
- Participate in any public-at-large communication, as applicable.
- Coordinate news releases with the licensee, if required.
- Inform Emergency Management & Fire Safety and the public when the emergency is over.

8.2.1 General Communication Expectations

To ensure all responders – company and government - are able to effectively coordinate actions it is critical for communication to be clear, concise, and timely. Initial notifications to first responders (911) and the lead regulatory body must occur immediately once the incident has been verified. Additional notifications to other lead agencies, supporting agencies and local authorities must be made once the ERP has been activated and additional incident details identified. Required emergency government agency notifications are outlined within each respective provincial government matrix.

The lead regulatory body will be responsible for the industry regulation and oversight; this will be dependent on the location and type of incident, as well as the company asset impacted. The lead and supporting agencies may be engaged by the lead regulatory agency; however, it is PMC policy to make all additional notifications to ensure that the appropriate agencies have been contacted. All federal and/or provincial requirements, agencies, roles and responsibilities, applicable to the ERP are further outlined within the respective subsections in this section.

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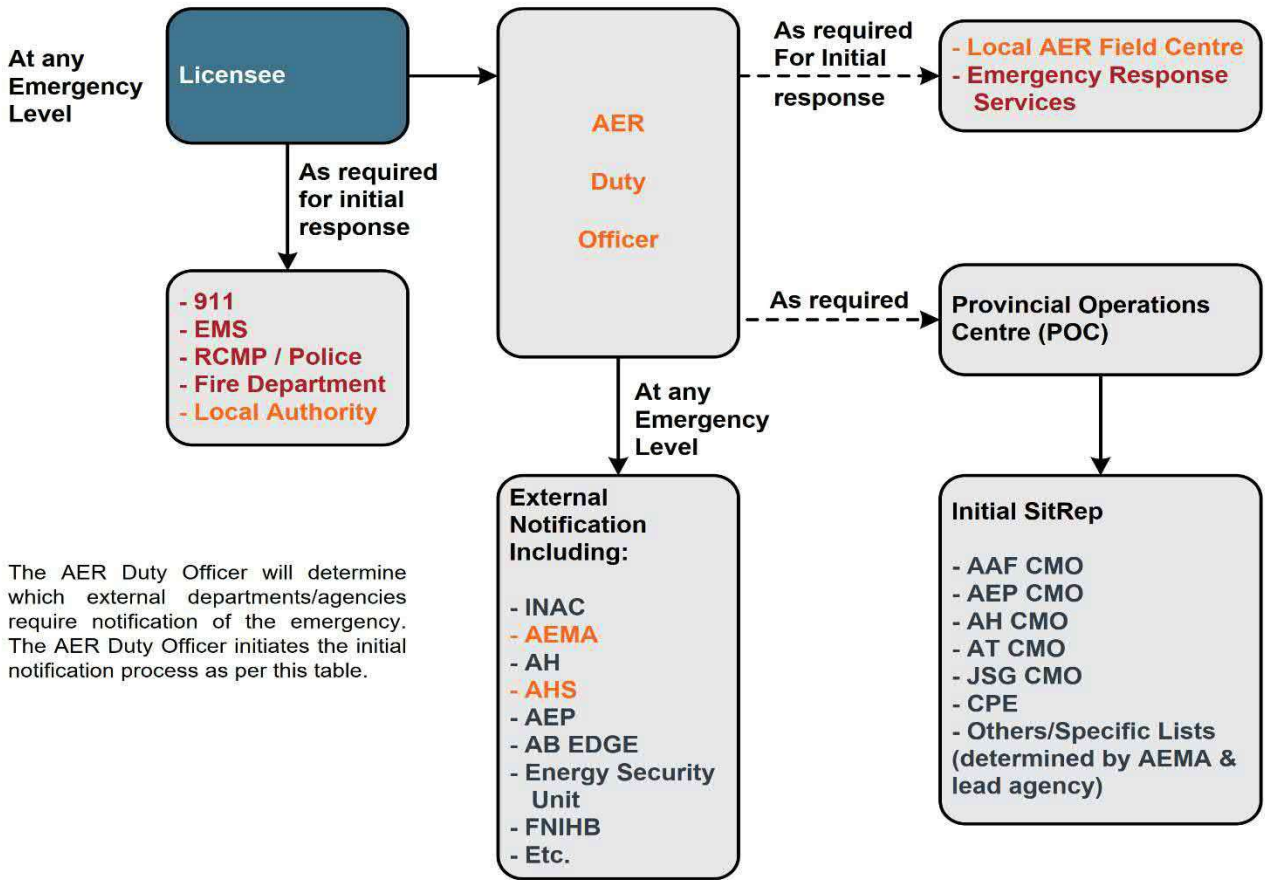
8.3 Government Notification Matrix

8.3.1 Alberta Government Notification Matrix

Notification Matrix - Alberta		Agencies or Resource																
Incident Type	Initial Responders			Lead Agencies					Support Agencies & Other Government Contacts									
	Ambulance Services	Local Fire Department	RCMP - Royal Canadian Mounted Police 1	AER - Alberta Energy Regulator 2	Local Authorities 3	AHS - Alberta Health Services	AEMA - Alberta Emergency Management Agency 4	CER - Canada Energy Regulator 5	OHS - Occupational Health & Safety 6	AESA - Alberta Boilers Safety Association	Alberta Safety Services Electrical Branch	Alberta Transportation EDGE	Workers' Compensation Board	ECCC - Environment & Climate Change Canada	CANUTEC	Emergency Response Assistance Canada	DFO - Department of Fisheries and Oceans	IOGC - Indian Oil & Gas Canada
Sour Gas / HVP Release (Uncontrolled)		a	✓	✓	✓	✓	✓	✓*	c			d	e	f				j
Chlorine Gas Release		a	✓	✓	✓	✓	✓		c			d	e	f	g			j
Sweet Combustible Gas Release		a	✓	✓	✓	✓	✓	✓*	c			d	e					j
Spill / Transportation Incident (Unrefined Products)**		a	✓	✓	✓	✓	✓	✓*	c		✓	e	f	g	h	i	j	
Spill / Rail or Trucking Incident (Refined Products)**		a	✓	✓	✓	b	✓	✓*	c		✓	e	f	g	h	i	j	
Serious Injury or Death (Including Vehicle Accidents)	✓		✓	✓	✓	✓	✓	✓*	✓			✓						
Missing Person			✓					✓*										
Fire / Explosion / B.L.E.V.E.	✓	✓	✓	✓	✓		✓	✓*	c	✓		d	e			h		j
Pressure Vessel or Piping Incident			✓	✓	✓	✓		✓*	c	✓		e	f					
Electrical Incident			✓	✓					c		✓	e						
Motor Vehicle Accident (No Injuries)			✓															
Security Incident			✓	✓				✓*	c									
On-Site Incident Involving E2 Regulated Substance		a	✓	✓		b			c					f			i	j
✓ Compulsory contact	<p>* CER is a compulsory contact only for emergencies and near-misses involving CER regulated sites and inter-provincial pipelines.</p> <p>** Refer to the Alberta Petroleum Industry Release Reporting Requirements chart included in the ERP.</p>																	

- a) Contact the local fire department if there is potential for secondary fires resulting from the ignition of spilled liquids or escaping gases.
 - b) Contact Alberta Health Services (AHS) if the incident has the potential to impact public health (e.g., contaminated drinking water).
 - c) Contact Occupational Health & Safety and report when: an injury or accident results in death; an injury results in a worker being admitted to a hospital; a potentially serious incident (PSI) where a reasonable and informed person would determine that under slightly different circumstances, there would be a high likelihood for a serious injury to a person; there is an unplanned or uncontrolled explosion, fire or flood that causes a serious injury or that has the potential to cause a serious injury; there is a collapse or upset of a crane derrick or hoist or; there is a collapse or failure of any component of a building or structure necessary for its structural integrity.
 - d) Alberta Transportation EDGE (Environmental and Dangerous Goods Emergencies) is the first call for all transportation related spills/incidents. If spill is contained on-site, Alberta Transportation will contact the AER. If the spill moves off-site or into a waterbody, Alberta Transportation will contact Alberta Environment and Parks (AEP) and/or Environment & Climate Change Canada (ECCC). Contact Alberta Transportation or the RCMP if an oil & gas emergency affects a highway designated by 1, 2, or 3 digits (e.g., Hwy 2, Hwy 47, Hwy 837). Alberta Transportation and RCMP have the authority to shut down highways.
 - e) Contact the Workers' Compensation Board within 72 hours of being notified of an injury/illness that results in or will likely result in: Lost time or the need to temporarily or permanently modify work beyond the date of accident, death or permanent disability, a disabling or potentially disabling condition caused by occupational exposure or activity, the need for medical treatment beyond first aid, or medical aid expenses.
 - f) ECCC will be notified by AER as required for incidents involving regulated substances at E2 registered facilities, incidents involving PCBs or any spills on first nations lands, in National Parks, into river or lake systems containing fish, or onto railway right-of-way.
 - g) Contact the Canadian Transport Emergency Centre (CANUTEC) when a highway is shut down, there is an injury or fatality, there is lost, stolen or unlawfully interfered with dangerous goods (except Class 9), the incident involves infectious substances, there is an accidental release from a cylinder that has suffered a catastrophic failure, where the shipping documents display CANUTEC's telephone number, where a railway vehicle, ship, aircraft aerodrome or an air cargo facility is involved, when a facility is closed, evacuation/shelter-in-place procedures take place as a result of the transportation of dangerous goods, containment has been damaged and integrity compromised, or the centre/stub sill of a tank car is broken or there is a crack in the metal ≥ 15cm(6"). CANUTEC can also provide guidance on handling procedures for toxic material releases.
 - h) Emergency Response Assistance Canada will only respond to incidents that involve the following UN numbers: 1075 (Propane, Butane, etc.) and 1010 (Butadiene); with a tank storage capacity of 450 litres or greater. Advisory assistance will be provided to incidents involving tank storage capacities less than 450 litres.
 - i) Contact the Department of Fisheries and Oceans Canada to report an oil spill that occurs in or around fresh and marine waters.
 - j) Indian Oil & Gas (IOGC), the First Nation and the provincial authority must be notified immediately in the event of any health or environment-threatening emergency or off-lease spills on First Nation reserve lands. On-lease spills greater than 1m3 must be reported to IOGC immediately.
- 1 In the event of a fatality, request that the RCMP contact the Medical Examiner. The RCMP must be notified in the case of lost, stolen or misplaced explosives, radioactive materials or infectious substances.
 - 2 Alberta Energy Regulator is designated as the lead agency (single window approach) to implement the Gov't of Alberta Emergency Response Support Plan for a Petroleum Industry Incident.
 - 3 Local Authorities include: cities, towns, villages, counties, municipal districts, improvement districts, special areas, Métis settlements, and first nations reserves.
 - 4 Request that Alberta Emergency Management Agency identify the affected local authorities and implement Emergency Services. The Emergency Management Field Officer may provide assistance in contacting some or all of the local authorities.
 - 5 Contact the Canada Energy Regulator (via the Transportation Safety Board of Canada) for emergencies and near-misses involving CER regulated sites and inter-provincial pipelines.
 - 6 Occupational Health and Safety - see c) for further details on this agency's role.

Alberta Government Incident Reporting Flowchart



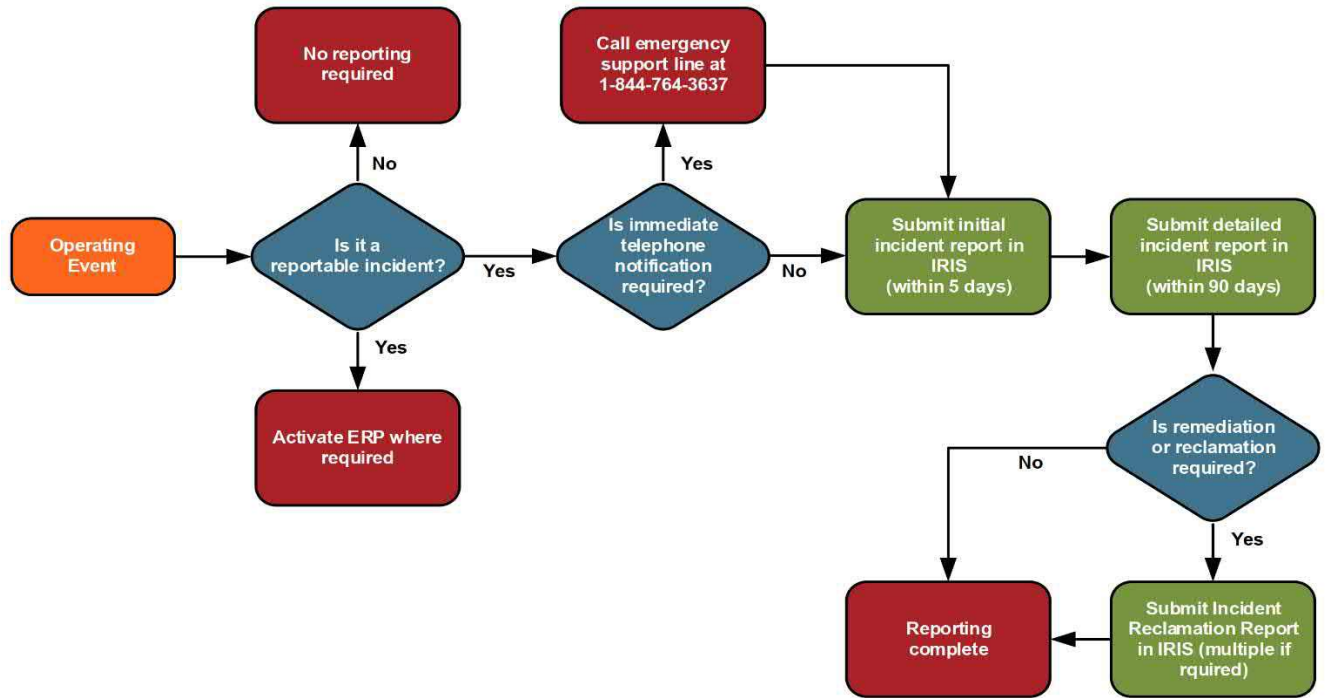
The AER Duty Officer will determine which external departments/agencies require notification of the emergency. The AER Duty Officer initiates the initial notification process as per this table.

8.3.2 Saskatchewan Government Notification Matrix

Notification Matrix - Saskatchewan																							
Agencies or Resource Incident Type	Initial Responders			Lead Agencies					Support Agencies & Other Government Contacts														
	Ambulance Services	Local Fire Department	RCMP - Royal Canadian Mounted Police ¹	ER - Ministry of Energy and Resources	Local Authorities ²	SPSA - Saskatchewan Public Safety Agency ³	SHA - Saskatchewan Health Authority	Sask Ministry of Environment ⁴	CER - Canada Energy Regulator ⁵	OH&S - Ministry of Labour Relations & Workplace Safety	WCB - Workers Compensation Board ⁶	Sask Ministry of Health - Health Emergency Management	Technical Safety Authority of Saskatchewan	SaskPower - Electrical Safety	MOH - Ministry of Highways	MOH - Transportation Programs & Services	ECCC - Environment & Climate Change Canada	CANUTEC	ERAC - Emergency Response Assistance Canada	DFO - Department of Fisheries and Oceans	WSA - Sask Water Security Agency	IOGC - Indian Oil & Gas Canada	
Sour Hydrocarbon or HVP Release	a	✓	✓	✓	✓	✓	✓	d	✓	e		✓			f		h	i				l	m
Chlorine Gas Release	a	✓	✓	✓	✓	✓	✓	c	d	e		✓			f		h	i				l	m
Sweet Combustible Gas Release	a	✓	✓	✓	✓	✓	✓	d	✓	e		✓			f		h					l	m
Spills / Transportation Incidents (Unrefined Products)**	a	✓	✓	✓	✓	✓	✓	d	✓	e		✓			f	g	h	i	j	k	l	m	
Spills / Rail or Trucking Incidents (Refined Products)**	a	✓	✓	✓	✓	✓	✓	c	d	✓		✓			f	g	h	i	j	k	l	m	
Serious Injury or Death (including Vehicular Accidents)	✓		✓				✓			✓	✓				f	g							
Missing Person			✓						✓														
Fire / Explosion / B.L.E.V.E.	✓	✓	✓	b	✓	✓		d	✓	e		✓	✓		f	g	h		j				m
Pressure Vessel or Piping Incident			✓	b			c		✓	e		✓	✓		f								
Electrical Incident			✓	b						e				✓									
Motor Vehicle Accident (No injuries)			✓												f								
Security Incidents			✓	b	✓				✓	✓													
On - Site Incident Involving E2 Regulated Substance	a	✓	✓				c	✓							g	h				k	l	m	
✓ Compulsory contact	<p>* CER is a compulsory contact only for emergencies and near-misses involving CER regulated sites and inter-provincial pipelines.</p> <p>** Refer to the Canadian Petroleum Industry Release Reporting Requirements chart included in the ERP.</p>																						

- a) Contact the local Fire Department if there is potential for secondary fires resulting from the ignition of spilled liquids or escaping gases.
- b) Contact the Ministry of Energy and Resources (ER) to report any incident that requires the operator or licensee to initiate their emergency response plan, for any fire and any blow-out or kick. For all other incidents required to notify ER please refer to the Petroleum Industry Release Reporting Requirements chart included in the ERP.
- c) Contact the Saskatchewan Health Authority if the incident has the potential to impact public health (e.g., contaminated drinking water).
- d) Contact Sask Ministry of Environment if the incident impacts sensitive or natural areas, crown lands, farm lands, forestry lands, wildfire or wet areas / water bodies.
- e) Contact the Ministry of Labour Relations & Workplace Safety - Occupational Health & Safety any "critical incident" - a serious adverse health event including, but not limited to, the actual or potential loss of life, limb or function related to a health service provided by, or a program operated by, Saskatchewan Health Authority (SHA) or health care organization.
- f) Contact the Ministry of Highways and the RCMP if the emergency affects a highway designated by 1, 2, or 3 digits (e.g., Hwy 2, Hwy 47, Hwy 837). The Ministry of Highways and RCMP have the authority to shut down highways.
- g) Contact Transportation Programs & Services when a person is killed or sustains a serious injury as a result of getting on or off or being on board the rolling stock or coming into direct contact with any part of the rolling stock or its contents. The rolling stock or its contents are involved in a collision or derailment, sustain damage that affects the safe operation of the rolling stock, cause or sustain a fire or explosion, or cause damage to the railway that poses a threat to the safe passage of rolling stock or to the safety of any person, property or the environment. There is an accidental release on board or from a rolling stock consisting of a quantity of dangerous goods or an emission of radiation that is greater than the quantity or emission level specified in Part 8 of the Transportation of Dangerous Goods Regulations (Canada). An incident where a risk of collision occurs between rolling stock, an unprotected main track or subdivision track switch is left in an abnormal position, a railway signal displays a less restrictive indication than that required for the intended movement of rolling stock, rolling stock occupies a main track or subdivision track, or track work takes place, in contravention of the rules or any regulation or order made under The Railway Act, rolling stock passes a signal indicating stop in contravention of the rules or any regulation or order made under The Railway Act, there is an unplanned and uncontrolled movement of rolling stock, or a crew member whose duties are directly related to the safe operation of the rolling stock is unable to perform their duties as a result of physical incapacitation which poses a threat to the safety of person, property or the environment.
- h) Environment & Climate Change Canada (ECCC) will be notified by Sask Ministry of Environment as required for incidents involving regulated substances at E2 registered facilities, incidents involving PCBs or any spills on first nations lands, in National Parks, into river or lake systems containing fish, or onto railway right-of-way.
- i) Contact the Canadian Transport Emergency Centre (CANUTEC) when a highway is shut down, there is an injury or fatality, there is lost, stolen or unlawfully interfered with dangerous goods (except Class 9), the incident involves infectious substances, there is an accidental release from a cylinder that has suffered a catastrophic failure, where the shipping documents display CANUTEC's telephone number, where a railway vehicle, ship, aircraft aerodrome or an air cargo facility is involved, when a facility is closed, evacuation/shelter-in-place procedures take place as a result of the transportation of dangerous goods, containment has been damaged and integrity compromised, or the centre/stub side of a tank car is broken or there is a crack in the metal $\geq 15\text{cm}(6")$. CANUTEC can also provide guidance on handling procedures for toxic material releases.
- j) Emergency Response Assistance Canada will only respond to incidents that involve the following UN numbers: 1075 (Propane, Butane, etc.) and 1010 (Butadiene); with a tank storage capacity of 450 litres or greater. Advisory assistance will be provided involving tank storage capacities less than 450 litres.
- k) Contact the Department of Fisheries and Oceans Canada to report an oil spill that occurs in or around fresh and marine waters.
- l) Contact the Saskatchewan Water Security Agency for any incident that affect or may affect waterbodies, raw water supplies or potable water sources.
- m) Indian Oil & Gas (IOGC), the First Nation and the provincial authority must be notified immediately in the event of any health or environment-threatening emergency or off-lease spills on First Nation reserve lands. On-lease spills greater than 1m³ must be reported to IOGC immediately.
- ¹ In the event of a fatality, request that the RCMP contact the Medical Examiner. The RCMP must be notified in the case of lost, stolen or misplaced explosives, radioactive materials or infectious substances.
- ² Local Authorities include: cities, towns, villages or rural municipalities, Métis settlements or first nations reserves.
- ³ Contact the Saskatchewan Public Safety Agency (SPSA) only for large scale incidents.
- ⁴ Saskatchewan Ministry of Environment, Environmental Protection, and Spill Reporting.
- ⁵ Contact the Canada Energy Regulator (via the Transportation Safety Board of Canada) for emergencies and near-misses involving CER regulated sites and inter-provincial pipelines.
- ⁶ Contact the WCB within 5 days after the date on which an employer has become aware of an injury that prevents a worker from earning full wages or that necessitates medical aid, or situations where: the accident causes, or may cause the death of a worker, will require hospitalization for 72 hours or more, structural failure or collapse of scaffold, accidental contact with an energized electrical conductor or an uncontrolled spill of a toxic substance.

Saskatchewan Government Incident Reporting Flowchart



8.3.3 Manitoba Government Notification Matrix

Agency or Resource		Initial Responders		Lead Agencies					Support Agencies & Other Government Contacts												
		Ambulance Services	Local Fire Department	RCMP - Royal Canadian Mounted Police ¹	Natural Resources and Northern Development -	Local Authorities ²	RHA - Regional Health Authority	Manitoba EMO - Emergency Measures Organization ³	CER - Canada Energy Regulator ⁴	Manitoba Workplace Safety & Health	Manitoba Inspection and Technical Services Branch	Manitoba Transportation and Infrastructure	Workers Compensation Board	Manitoba Environment Climate and Parks ⁵	Oil Spill Cooperative	ECCC - Environment & Climate Change Canada	CANUTEC	Emergency Response Assistance Canada	DFO - Department of Fisheries and Oceans	IOGC - Indian Oil & Gas Canada	
Incident Type	Sour Gas / HVP Release (Uncontrolled)		a	✓	b	✓	c	✓	✓	✓		e	f	g		h	i			l	
	Chlorine Gas Release		a	✓	b	✓	c	✓		✓		e	f	g		h	i			l	
	Sweet Combustible Gas Release		a	✓	b	✓		✓	✓	✓		e	f	g						l	
	Spills / Transportation Incidents (Unrefined Products)**		a	✓	b	✓	c	✓	✓	d		e	f	g	✓	h	i		k	l	
	Spills / Rail or Trucking Incidents (Refined Products)**		a	✓		✓	c	✓	✓	d		e	f	g	✓	h	i	j	k	l	
	Serious Injury or Death (including Vehicle Accidents)	✓		✓					✓	ü		e									
	Missing Person			✓					✓												
	Fire / Explosion / B.L.E.V.E	✓	✓	✓	b	✓	c	✓	✓	d	✓	e	f	g		h		j		l	
	Pressure Vessel or Piping Incident			✓	b		c		✓	d	✓	e	f								
	Electrical Incident			✓	b					d		f									
	Motor Vehicle Accident (No injuries)			✓								e									
	Security Incidents			✓					✓												
	On-Site Incident Involving E2 Regulated Substance		a	✓			c							✓		h			k	l	
	✓ Compulsory contact	<p>* CER is a compulsory contact only for emergencies and near-misses involving CER regulated sites and inter-provincial pipelines.</p> <p>** Refer to the Canadian Petroleum Industry Release Reporting Requirements chart included in the ERP.</p>																			

EMO Upon receipt of emergency notification, the EMO will then assess and notify the appropriate provincial and federal departments, local authorities & municipalities, Crown corporations, other non government agencies such as critical suppliers, service providers and outside contractors.

a) Contact the local Fire Department if there is potential for secondary fires resulting from the ignition of spilled liquids or escaping gases.

b) Contact Manitoba Natural Resources and Northern Development - Petroleum Branch for incidents occurring at facilities approved by the department, spills greater than 0.5m³, any spill on land outside of the company's lease, a fire, or a blow-out.

c) Contact the Regional Health Authority (RHA) if the incident has the potential to impact public health (e.g., contaminated drinking water).

d) Contact the Manitoba Workplace Safety and Health if there is a serious injury requiring medical attention or death as a result of an incident (worker-related issues).

e) Contact Manitoba Transportation and Infrastructure or the RCMP if the emergency affects a highway designated by 1, 2, or 3 digits (e.g., Hwy 2, Hwy 47, Hwy 837). Manitoba Transportation and Infrastructure and RCMP have the authority to shut down highways.

f) Contact the Workers Compensation Board within 5 days of becoming aware of an injury or illness that will result in lost work.

g) Contact Manitoba Environment Climate and Parks if the incident impacts sensitive or natural areas, crown lands, forests, farm lands, wildlife, or wet areas / water bodies.

h) Environment & Climate Change Canada (ECCC) will be notified by Manitoba Sustainable Development as required for incidents involving regulated substances at E2 registered facilities, incident impacts sensitive or natural areas, crown lands, farm lands, wildlife, or wet areas / water bodies.

i) Contact the Canadian Transport Emergency Centre (CANUTEC) when a highway is shut down, there is an injury or fatality, there is lost, stolen or unlawfully interfered with dangerous goods (except Class 9), the incident involves infectious substances, there is an accidental release from a cylinder that has suffered a catastrophic failure, where the shipping documents display CANUTEC's telephone number, where a railway vehicle, ship, aircraft aerodrome or an air cargo facility is involved, when a facility is closed, evacuation/shelter-in-place procedures take place as a result of the transportation of dangerous goods, containment has been damaged and integrity compromised, or the centre/stub sill of a tank car is broken or there is a crack in the metal ≥ 15cm(6"). CANUTEC can also provide guidance on handling procedures for toxic material releases.

j) Emergency Response Assistance Canada will only respond to incidents that involve the following UN numbers: 1075 (Propane, Butane, etc.) and 1010 (Butadiene); with a tank storage capacity of 450 litres or greater. Advisory assistance will be provided to incidents involving tank storage capacities less than 450 litres.

k) Contact the Department of Fisheries and Oceans Canada to report an oil spill that occurs in or around fresh and marine waters.

l) Indian Oil & Gas (IOGC), the First Nation and the provincial authority must be notified immediately in the event of any health or environment-threatening emergency or off-lease spills on First Nation reserve lands. On-lease spills greater than 1m³ must be reported to IOGC immediately.

¹ In the event of a fatality, request that the RCMP contact the Medical Examiner. The RCMP must be notified in the case of lost, stolen or misplaced explosives, radioactive materials or infectious substances.

² Local Authorities include: cities, towns, villages, rural municipalities, Métis settlements or First Nations reserves.

³ Notify the Manitoba Emergency Measures Organization of any emergency that has resulted, or may result in: death or injury to multiple persons, significant damage to multiple properties, critical infrastructure, the environment, the economy, any emergency which is likely to overwhelm local resources, or any emergency which may require Provincial or Federal assistance.

⁴ Contact the Canada Energy Regulator (via the Transportation Safety Board of Canada) for emergencies and near-misses involving CER regulated sites and inter-provincial pipelines.

⁵ Manitoba Environment Climate and Parks - Environmental Branch, Fire Branch, Forestry Branch, Parks and Natural Areas Branch, Protected Areas Branch, Sustainable Resource Management, Wildlife & Ecosystem Protection Branch.

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8.4 Local Section

8.4.1 Emergency Services

(Local police, fire, ambulance and 911 call centre)

- Respond to and assess emergency incident.
- Participate in unified command, as appropriate.
- Communicate to municipal Emergency Operations Centre(s) and provide site reps as required.
- Assist with fire protection outside of company property, off-site and / or outside the EPZ where trained personnel are available.
- Provide emergency medical assistance, as required.
- Provide timely news releases, if required.
- RCMP/Local Police are involved with any incidents entailing traffic accidents, road closures, fatalities or criminal activity. The following support will:
 - Assists with isolating and securing the incident site, including traffic and crowd control.
 - Aids with evacuations.
 - Manages the closure of major highways.
 - Maintains law and order.

Note: Professional oilfield fire fighters should manage extensive fires or uncontrolled facility fires.

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8.4.2 Local Authorities

8.4.2.1 Alberta

Cypress County



ROLES AND RESPONSIBILITIES

Date: February 9, 2022
Local Authority: **Cypress County**
Mailing Address: 816 – 2nd Avenue, Dunmore, AB T1B 0K3
Main Office Number: 403-526-2888
Fax Number: 403-526-8958
Website: www.cypress.ab.ca
24 Hour Number: 403-526-2888

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Fire Departments including Medicine Hat, Red Cliff, and Dunmore with approx. 140 volunteers
- No reception centre list, advised Red Cross handles reception centres for municipality
- 1 Reeve, 8 Councillors, ongoing ICS training
- Would not require evacuation assistance, would participate in Unified Command
- Utilizes local radio, Twitter, Facebook, Twitter, Cypress Courier, and Medicine Hat News
- Population ± 8,000
- Prefer ERP in electronic format

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**8.4.2.2 Saskatchewan
R.M. of Bratt's Lake No. 129**



ROLES AND RESPONSIBILITIES

Date:	May 25, 2022
Local Authority:	R.M. of Bratt's Lake No. 129
Mailing Address:	Box 130, Wilcox, SK S0G 5E0
Main Office Number:	306-732-2030
Fax Number:	306-732-4495
Website:	www.myrm.info/129
24 Hour Number:	306-536-1672 (Public Works Cell)

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP). Currently in the process of modifying MEP.
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident
- Limited roadblock equipment available
- Mutual Agreement with Wilcox Fire District and Roleau Fire District
- Would not require evacuation assistance
- Population ± 315
- Prefer ERP in electronic format

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R.M. of Caron No. 162



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: R.M. of Caron No. 162
Mailing Address: #2 – 1410 Caribou St W Moose Jaw, SK S6H 7S9
Main Office Number: 306-692-2293
Fax Number: 306-692-2193
Website: www.myrm.info/162
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident; EMO has a list of designated Reception Centres
- Jeff Beaudry Public Works Foreman 306-631-2916 / Rod Appleby Fire Chief 306-630-9692
- Fire services provided by Caron/Caronport Fire Department
- Limited roadblock equipment available
- Evacuation assistance may be required
- Population ± 576
- Prefer ERP in electronic format

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R.M. of Chaplin No. 164



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **R.M. of Chaplin No. 164**
Mailing Address: Box 60, Chaplin, SK S0H 0V0
Main Office Number: 306-395-2244
Fax Number: 306-395-2767
Website: -
24 Hour Number: 306-796-7921 (Faye Campbell Cell)

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre is Chaplin Community Complex
- Limited roadblock equipment
- Evacuation assistance may be required
- Fire protection provided by Chaplin Fire Department
- Mutual Aid Agreement for Fire Protection with Towns of Herbert and Morse, Villages of Chaplin, Ernfold, Hodgeville, and Rush Lake and the R.M.s of Lawtonia, Morse, and Excelsior.
- Population ± 138
- Prefer ERP in electronic format

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R.M. of Chester No. 125



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Chester No. 125**
Mailing Address: Box 180, Glenavon, SK S0G 1Y0
Main Office Number: 306-429-2110
Fax Number: 306-429-2260
Website: www.myrm.info/125
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Designated Reception Centre Glenavon Community Hall
- Fire services provided by Glenavon Volunteer Fire Department
- May require evacuation assistance
- Mutual Aid Agreements with Montmartre and Wolseley
- Limited roadblock equipment available
- Population ± 360
- Prefer ERP in electronic format

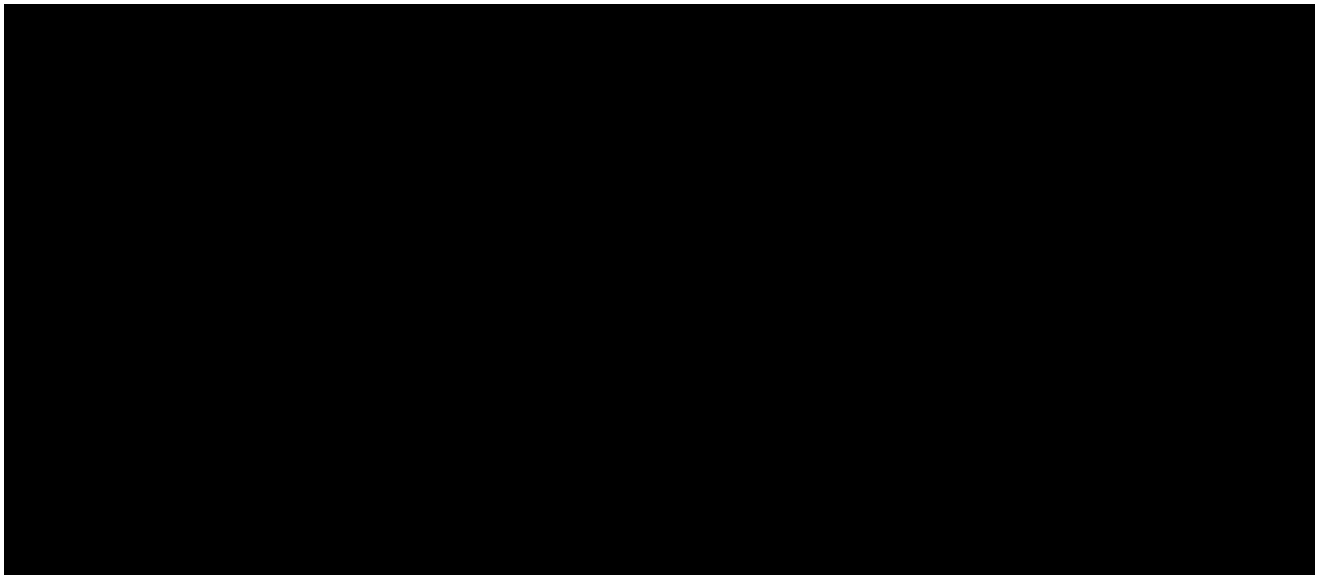
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R.M. of Clinworth No. 230



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: R.M. of Clinworth No. 230
Mailing Address: Box 120, Sceptre, SK S0N 2H0
Main Office Number: 306-623-4229
Fax Number: 306-623-4229
Website: -
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be the Sceptre Community Hall
- Fire services provided by Sceptre Volunteer Fire Department which covers Sceptre, RM of Clinworth, Lemsford and Portreeve
- May require evacuation assistance
- Population ± 150
- Prefer ERP in electronic format

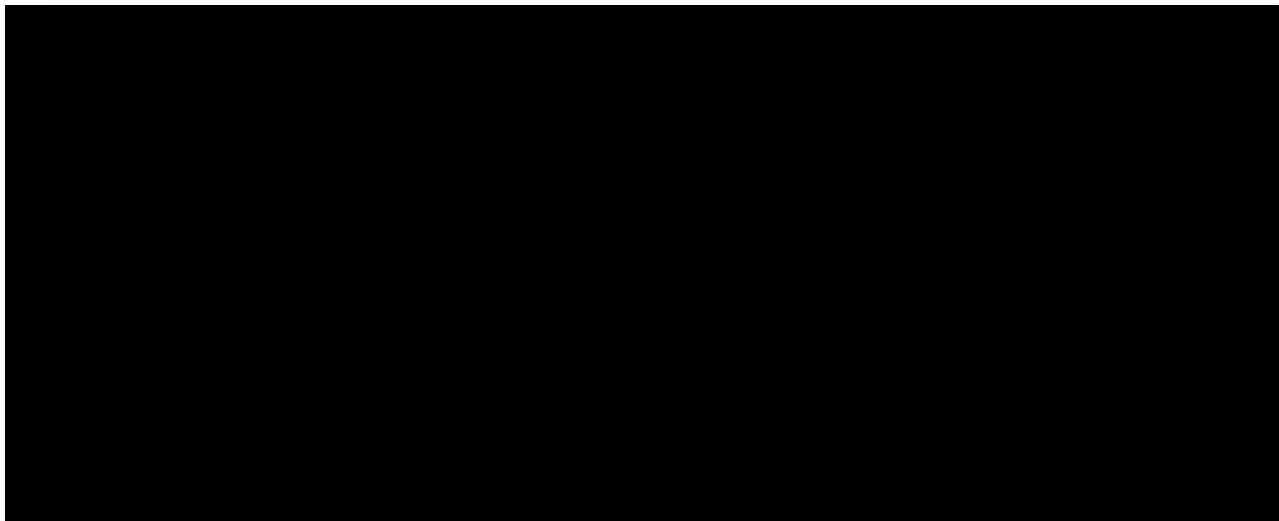
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R.M. of Deer Forks No. 232



ROLES AND RESPONSIBILITIES

Date: January 19, 2022
Local Authority: **R.M. of Deer Forks No. 232**
Mailing Address: Box 250, Burstall, SK S0N 0H0
Main Office Number: 306-679-2000
Fax Number: 306-679-2275
Website: -
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Limited roadblock equipment available
- 12 members on Emergency Planning Committee, some have Sask Alert training
- Municipal roads operated and maintained by the R.M.
- Support to be determined at time of incident
- Population ± 200
- Prefer ERP in electronic format

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R.M. of Edenwold No. 158



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Edenwold No. 158**
Mailing Address: 100 Hutchence Road, Emerald Park, SK S4L 1C6
Main Office Number: 306-771-2522
Fax Number: 306-347-2970
Website: www.rmedenwold.ca
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident
- Limited roadblock equipment available
- Mutual Aid Agreement with the White Butte Emergency Committee which includes RM of Edenwold, Towns of Pilot Butte, White City, Balgonie and Village of Edenwold
- Fire agreements with RM of Edenwold, Towns of Pilot Butte, White City, Balgonie, and Kronau and Village of Edenwold
- Might require evacuation assistance
- Population ± 4400
- Prefer ERP in electronic format

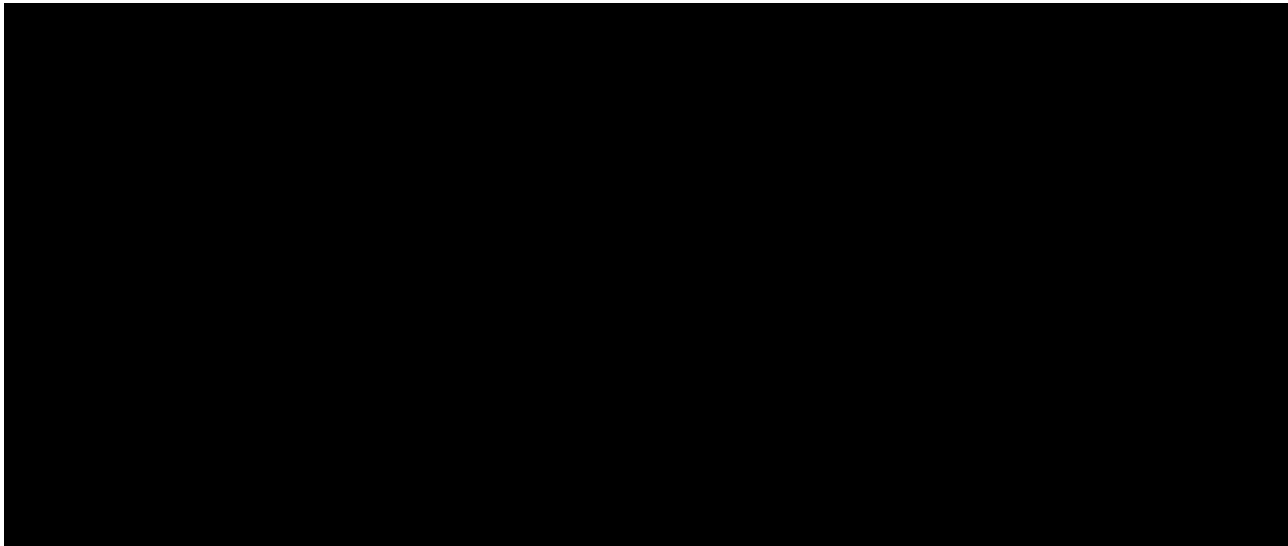
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R.M. of Excelsior No. 166



ROLES AND RESPONSIBILITIES

Date: May 29, 2022
Local Authority: **R.M. of Excelsior No. 166**
Mailing Address: Box 180, Rush Lake, SK S0H 3S0
Main Office Number: 306-784-3121
Fax Number: 306-784-3479
Website: www.rm166.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Limited roadblock equipment available
- R.M. of Excelsior No. 166 has Fire Protection Mutual Aid Agreements with: The City of Swift Current, Towns of Gull Lake, Herbert, Morse, Cabri, Villages of Hodgeville, Neville, Tennant, Stewart Valley, Success, Vanguard, Waldeck, Webb, R.M.s of Whiska Creek, Lac Pelletier, Lawtonia, Coulee, Swift Current, Webb, Gull Lake, Morse, Sask Landing, and Riverside
- Population ± 806
- Prefer ERP in electronic format

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R.M. of Francis No. 127



ROLES AND RESPONSIBILITIES

Date: May 17, 2022
Local Authority: **R.M. of Francis No. 127**
Mailing Address: Box 36, Francis, SK S0G 1V0
Main Office Number: 306-245-3256
Fax Number: 306-245-3203
Website: www.rmoffrancis.ca
24 Hour Number: 306-520-8645 (Shala Kanasevich Cell)

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- RM of Francis does not have a municipal emergency plan
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Recommended reception centre is Vibank Centennial Community Centre
- Fire protection agreements with Villages of Sedley, Vibank, Odessa and the Town of Francis
- Population ± 674
- Prefer ERP in electronic format

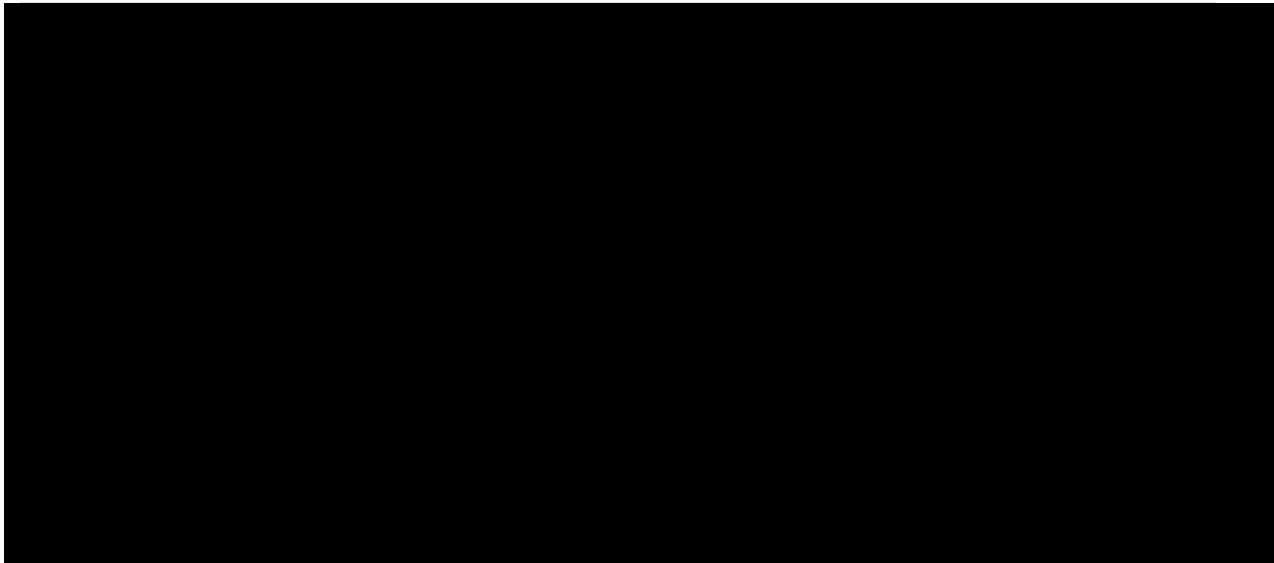
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R.M. of Happyland No. 231



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **R.M. of Happyland No. 231**
Mailing Address: Box 339, Leader, SK S0N 1H0
Main Office Number: 306-628-3800
Fax Number: 306-628-4228
Website: www.rmofhappyland.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be the Leader Community Hall
- Roadblock equipment available
- Fire protection provided by the Leader and District Fire Department
- Evacuation assistance would not be required
- Population ± 284
- Prefer ERP in electronic format

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R.M. of Kingsley No. 124



ROLES AND RESPONSIBILITIES

Date: May 26, 2022
Local Authority: **R.M. of Kingsley No. 124**
Mailing Address: Box 239, Kipling, SK S0G 2S0
Main Office Number: 306-736-2272
Fax Number: 306-736-2798
Website: www.myrm.info/124
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident - either Kipling Community Centre or Broadview Community Centre
- Alternate Contact Gordon Sproat, Reeve 306-736-7912
- Fire protection provided by Kipling Fire Department
- Evacuation assistance would not be required
- Population ± 444
- Prefer ERP in electronic format

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R.M. of Lajord No. 124



ROLES AND RESPONSIBILITIES

Date: May 26, 2022
Local Authority: R.M. of Lajord No. 128
Mailing Address: Box 36, Lajord, SK S0G 2V0
Main Office Number: 306-781-2744
Fax Number: 306-781-1023
Website: www.myrm.info/128
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Local Authority's policies
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident – either Kronau Curling Rink or Kronau Memorial Hall
- Fire Agreement with White Butte Emergency Committee (Towns of Balgonie, White City, Pilot Butte and Village of Edenwold)
- Evacuation assistance not required
- Population ± 1232
- Prefer ERP in electronic format

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R.M. of Martin No. 122



ROLES AND RESPONSIBILITIES

Date: May 31, 2022
Local Authority: **R.M. of Martin No. 122**
Mailing Address: Box 1109, Moosomin, SK S0G 3N0
Main Office Number: 306-435-3113 Ext. 2
Fax Number: 306-435-4313
Website: www.rmofmartin.com
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre to be determined at time of incident
- Limited roadblock equipment available
- Would not require evacuation assistance
- Fire Protection Agreements with the Towns of Wapella and Moosomin and the RM of Rocanville
- Shares same mailing address and office as R.M. of Moosomin No. 121
- Population ± 289
- Prefer ERP in electronic format

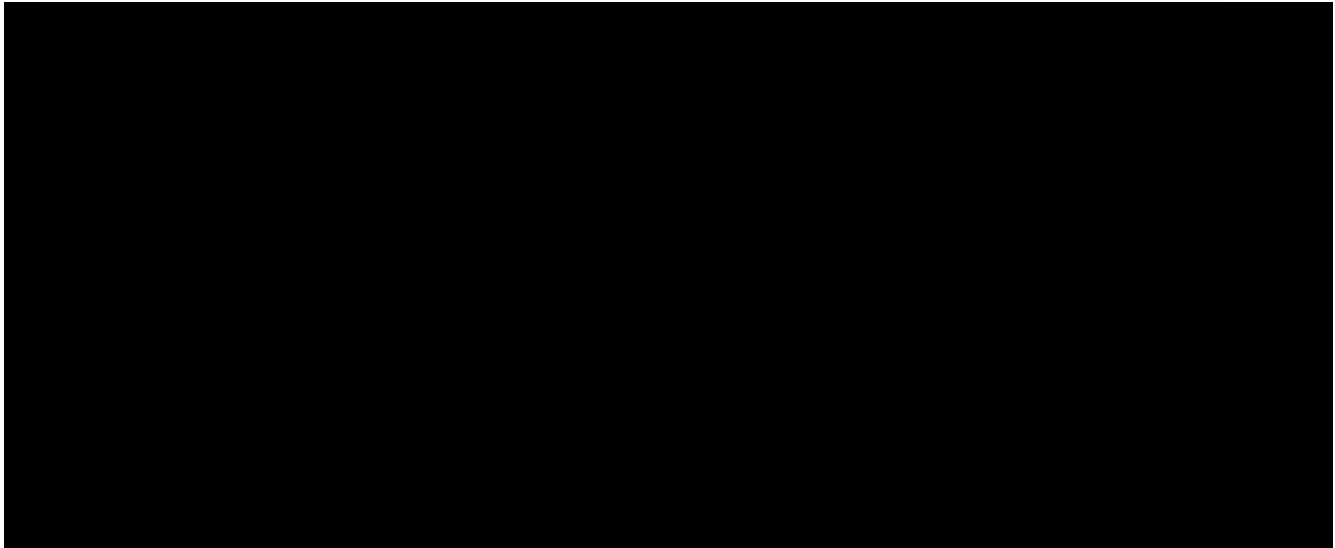
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R.M. of Miry Creek No. 229



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Miry Creek No. 229**
Mailing Address: Box 210, Abbey, SK S0N 0A0
Main Office Number: 306-689-2281
Fax Number: 306-689-2901
Website: www.rm229.com
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Limited roadblock equipment
- Fire protection provided by Abbey Volunteer Fire Department
- Fire Protection Mutual Aid Agreements with RMs of Riverside and Pittville, Villages of Abbey, Lancer, Hazlet, and Pennant, and the Town of Cabri
- Evacuation assistance may be required
- Population ± 370
- Prefer ERP in electronic format

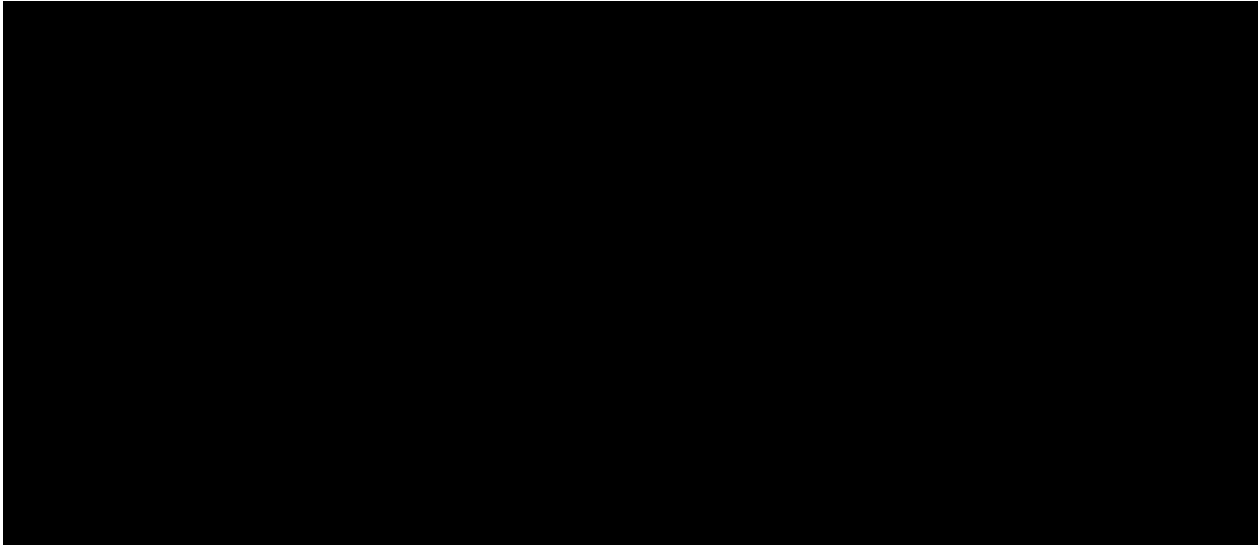
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R.M. of Montmartre No. 126



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **R.M. of Montmartre No. 126**
Mailing Address: Box 120, Montmartre, SK S0G 3M0
Main Office Number: 306-424-2040
Fax Number: 306-424-2065
Website: -
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, would strive to activate a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre to be determined at time of incident, possibly Montmartre School, which serves as a community hall
- No designated EOC
- Limited roadblock equipment available
- Fire services provided by Montmartre Fire Department
- Evacuation assistance may be required
- Population ± 500
- Prefer paper copy of ERP

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R.M. of Moose Jaw No. 161



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **R.M. of Moose Jaw No. 161**
Mailing Address: #3, 1410 Caribou Street West, Moose Jaw, SK S6H 7M4
Main Office Number: 306-692-3446
Fax Number: 306-691-0015
Website: www.moosejawrm161.ca
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be the meeting rooms located in RM building
- Fire protection provided by Moose Jaw Fire Department
- Limited roadblock equipment available
- Would not require evacuation assistance
- Population ± 1163
- Prefer ERP in electronic format

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R.M. of Moosomin No. 121



ROLES AND RESPONSIBILITIES

Date: May 26, 2022
Local Authority: **R.M. of Moosomin No. 121**
Mailing Address: Box 1109, Moosomin, SK S0G 3N0
Main Office Number: 306-435-3113 Ext. 1
Fax Number: 306-435-4313
Website: www.rm121.com
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre: Moosomin Conexus Centre, Fleming Community Hall, Welwyn Community Rink/Hall
- Limited roadblock equipment available
- Evacuation assistance might be required (mobility issues)
- Mutual Aid Agreements for Fire Protection with the RM of Ellice-Archie, Towns of Wapella, Elkhorn, Virden, Oak Lake, Alexander, Whitewood, and Reston. Mutual Aid Emergency Response Aid with other nearby towns depending on the severity of circumstance
- Shares same mailing address and office as R.M. of Martin No. 122
- Population ± 603
- Prefer ERP in electronic format

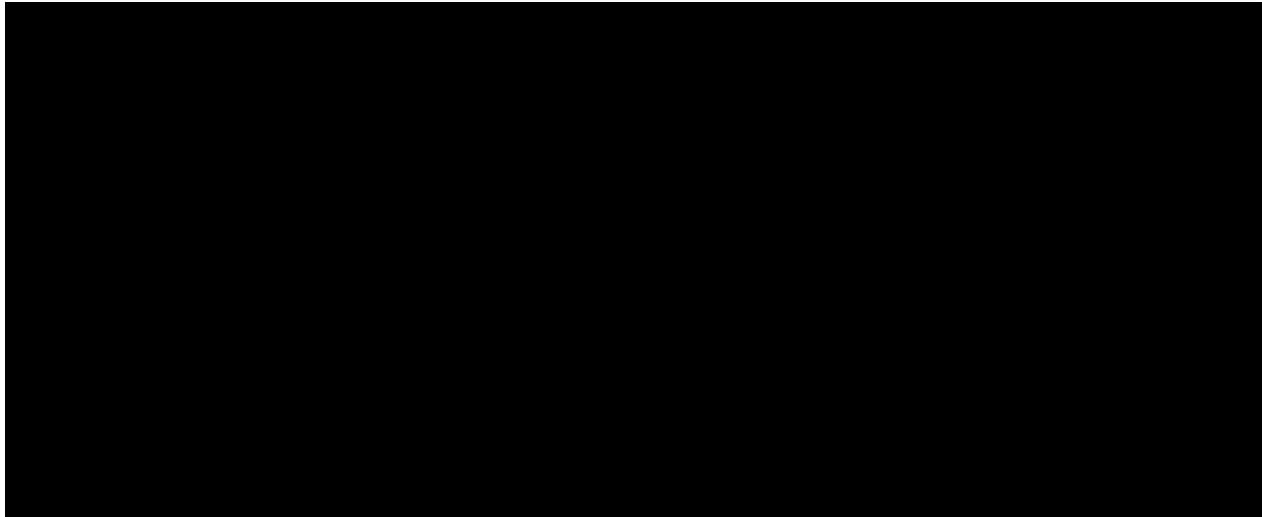
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R.M. of Morse No. 165



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **R.M. of Morse No. 165**
Mailing Address: Box 340, Morse, SK S0H 3C0
Main Office Number: 306-629-3282
Fax Number: 306-629-7831
Website: -
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident – might be determined by wind direction
- Belongs to Mutual Aid for the Mainline Area
- Fire Protection is dispatched from the Provincial Emergency Communications Centre in Prince Albert, SK
- Population ± 435
- Prefer ERP in electronic format

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R.M. of Pense No. 165



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Pense No. 160**
Mailing Address: Box 190, Pense, SK S0G 3W0
Main Office Number: 306-345-2303
Fax Number: 306-345-2583
Website: www.pense160.ca
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, would strive to activate a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Fire protection provided by Pense District Volunteer Fire Department
- Evacuation assistance may be required for rural residents
- Population ± 500
- Prefer ERP in electronic format

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R.M. of Riverside No. 168



ROLES AND RESPONSIBILITIES

Date: June 9, 2022
Local Authority: **R.M. of Riverside No. 168**
Mailing Address: Box 129, Pennant, SK S0N 1X0
Main Office Number: 306-626-3255
Fax Number: 306-626-3661
Website: www.rm168.ca
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Pennant Community Centre is Reception Centre
- Roadblock equipment available
- Fire protection provided by RM of Riverside No. 168 Fire Department
- Evacuation assistance not required
- Population ± 477
- Prefer ERP in electronic format

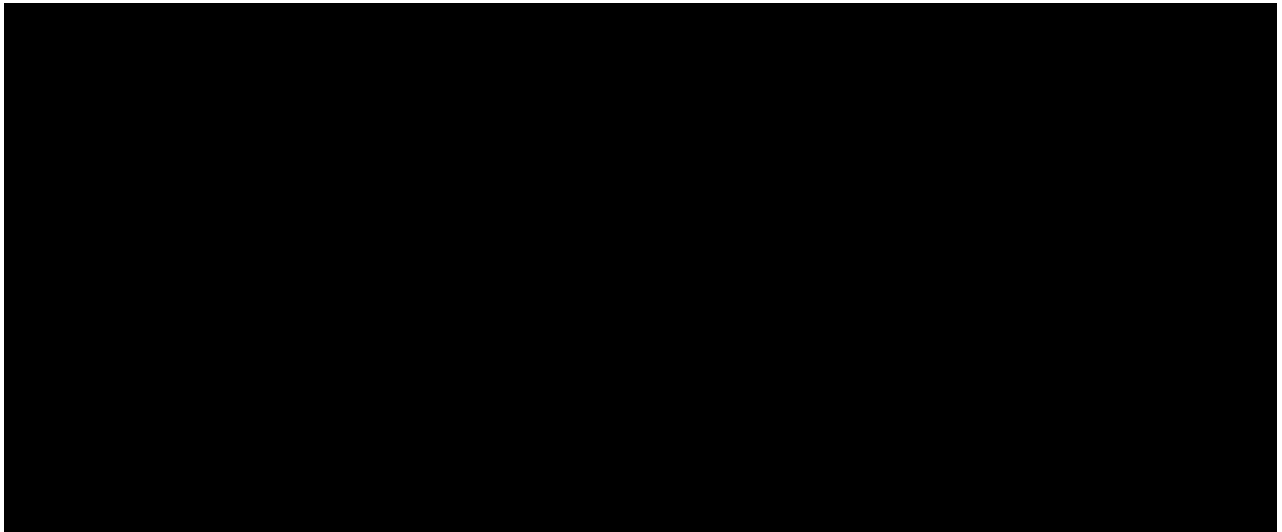
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R.M. of Saskatchewan Landing No. 167



ROLES AND RESPONSIBILITIES

Date: May 31, 2022
Local Authority: **R.M. of Saskatchewan Landing No. 167**
Mailing Address: Box 40, Stewart Valley, SK S0N 2P0
Main Office Number: 306-778-2105
Fax Number: 306-778-2152
Website: <http://myrm.info/167>
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Limited roadblock equipment
- Fire protection provided by Valley Rural Volunteer Fire Department
- Have a special agreement with Swift Current Fire Department to respond to any special circumstances for the Valley Rural Fire Department
- Evacuation assistance may be required for rural residents
- Population ± 415
- Prefer ERP in electronic format

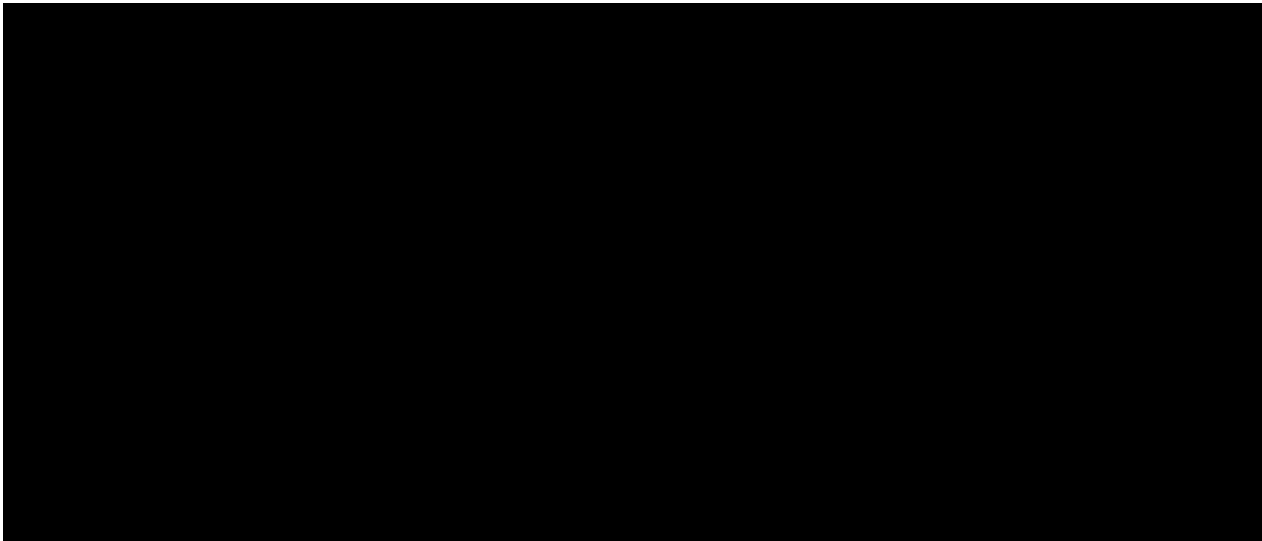
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R.M. of Sherwood No. 159



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Sherwood No. 159**
Mailing Address: Box 40029 Grasslands PO, Regina, SK S4W 0L3
Main Office Number: 306-525-5237
Fax Number: 306-352-1760
Website: www.rmofsherwood.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident
- Limited roadblock equipment available
- Would not require evacuation assistance
- Fire Protection provided by Regina Fire and Protective Services
- Population ± 975
- Prefer ERP in electronic format

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R.M. of Silverwood No. 123



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Silverwood No. 123**
Mailing Address: Box 700, Whitewood, SK S0G 5C0
Main Office Number: 306-735-2500
Fax Number: 306-735-2524
Website: www.rmofsilverwood.com
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- No roadblock equipment available
- Would not require evacuation assistance
- Fire protection provided by Whitewood Fire Department
- Population ± 400
- Prefer ERP in electronic format

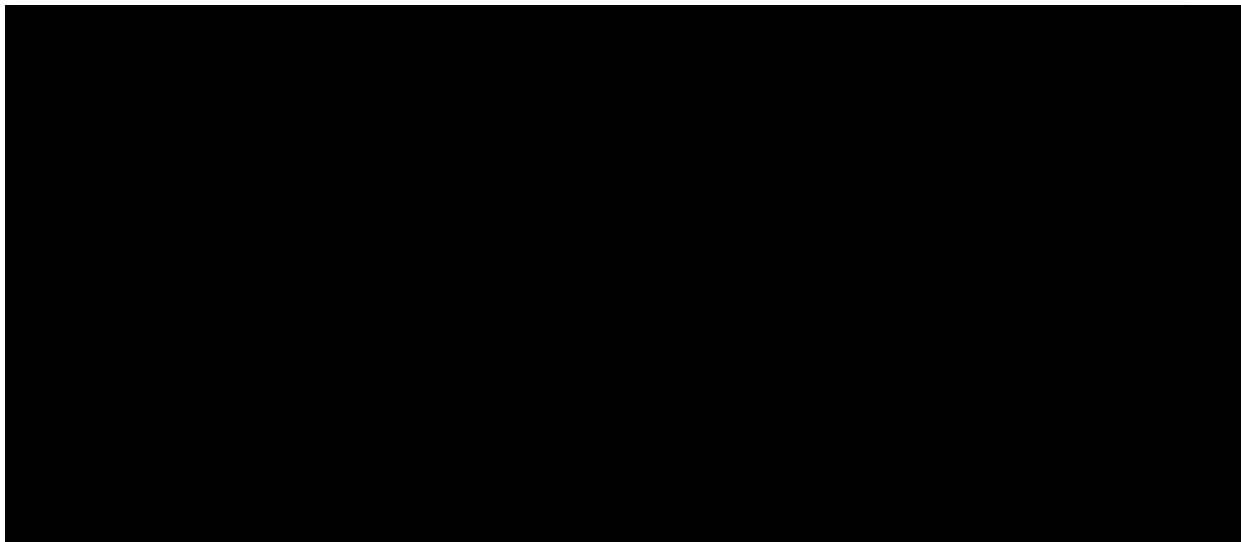
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R.M. of Wheatlands No. 163



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **R.M. of Wheatlands No. 163**
Mailing Address: Box 129, Mortlach, SK S0H 3E0
Main Office Number: 306-355-2233
Fax Number: 306-355-2351
Website: www.myrm.info/163
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident
- Limited roadblock equipment
- There is no RM Fire Department but the Villages of Mortlach and Caronport, RM of Chaplin and RM of Wheatlands have a mutual aid agreement for fire protection
- Would not require evacuation assistance
- Population ± 149
- Prefer ERP in electronic format

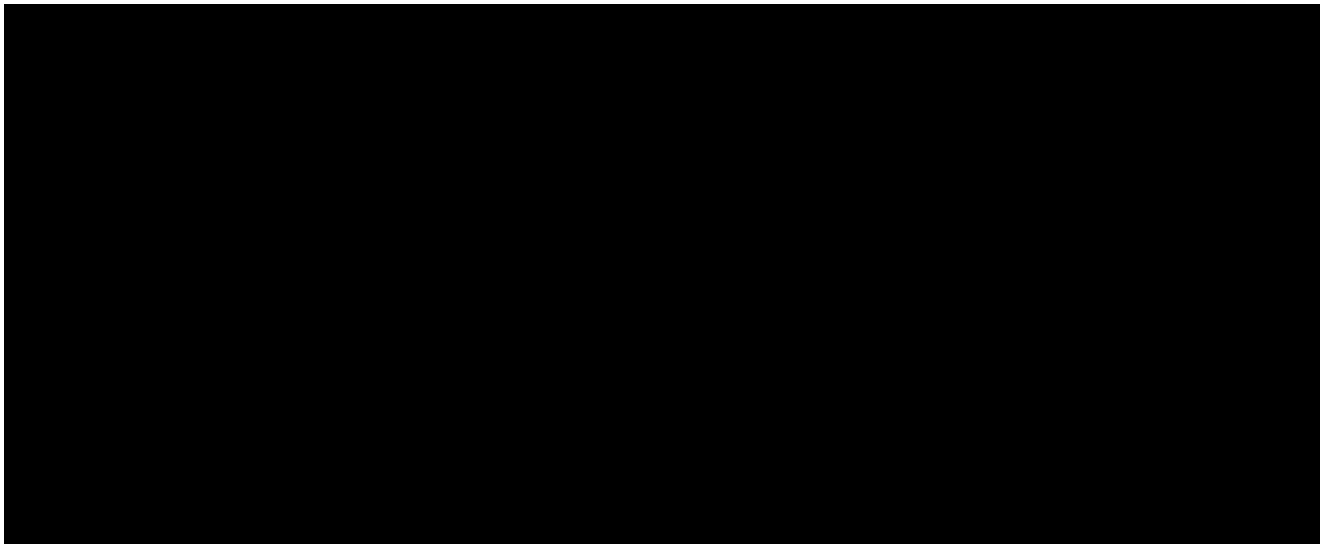
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R.M. of Wolseley No. 155



ROLES AND RESPONSIBILITIES

Date: May 26, 2022
Local Authority: **R.M. of Wolseley No. 155**
Mailing Address: Box 370, Wolseley, SK S0G 5H0
Main Office Number: 306-698-2522
Fax Number: 306-698-2664
Website: <http://myrm.info/155>
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Limited roadblock equipment available
- Fire protection provided by Wolseley Fire Department
- Evacuation assistance would be required for rural residents
- Population ± 372
- Prefer ERP in electronic format

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Sakimay Indian Reserve No. 74-14/Zagime Anishinabek



ROLES AND RESPONSIBILITIES

Date:	May 30, 2022
Local Authority:	Sakimay Indian Reserve No. 74-14 / Zagime Anishinabek
Mailing Address:	Box 339, Grenfell, SK S0G 2B0
Main Office Number:	306-697-2831
Fax Number:	306-697-3565
Website:	www.sakimay.ca
24 Hour Number:	-

RESOURCES:

- No Fire Department or Police Department, agreements with local authorities for these services
- City of Regina would respond for fire
- Band office and residents not near Wascana system
- No residents located in PPTC emergency planning zone

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8.4.2.3 Manitoba

Hamiota Municipality



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **Hamiota Municipality**
Mailing Address: Box 100, Hamiota, MB R0M 0T0
Main Office Number: 204-764-3050
Fax Number: 204-764-3055
Website: www.hamiota.com
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Designated Reception Centres are Hamiota and District Sports Complex and Hamiota Community Hall
- Fire services provided by Hamiota Volunteer Fire Department which has Mutual Aid Agreements with West Central Mutual Aid, Oak River, and Wallace Woodworth
- Limited roadblock equipment available
- Population ± 1225
- Prefer ERP in paper binder format

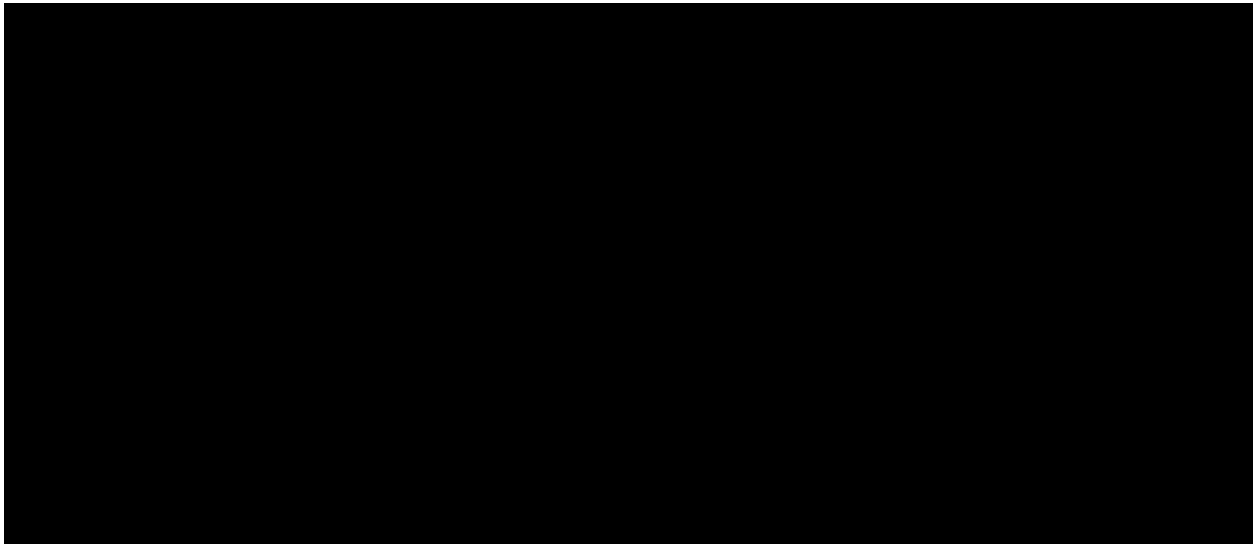
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Municipality of North Cypress-Langford



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **Municipality of North Cypress-Langford**
Mailing Address: Box 220, Carberry, MB R0K 00H0
Main Office Number: 204-834-6600
Fax Number: 204-834-6604
Website: www.townofcarberry.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Carberry Community Centre is the designated Reception Centre
- Fire protection provided by Carberry North Cypress-Langford Fire Department
- Mutual Aid agreements for fire protection with Neepawa and Austin Fire Departments and the Municipality of North Norfolk
- Municipality of North Cypress-Langford and Town of Carberry have same CAO and EMO
- Evacuation assistance may be required
- Population ± 2745
- Prefer ERP in electronic format

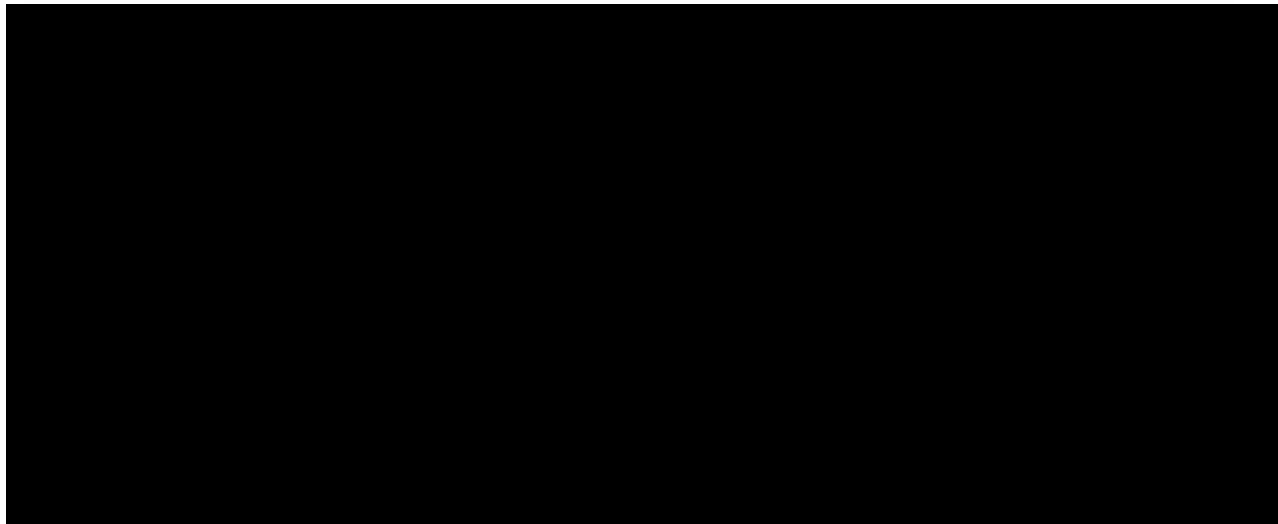
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Municipality of North Norfolk



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **Municipality of North Norfolk**
Mailing Address: Box 190, MacGregor, MB R0H 0R0
Main Office Number: 204-685-2211
Fax Number: 204-685-2616
Website: www.northnorfolk.ca
24 Hour Number:



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Austin Community Hall and Heartland Multiplex are designated Reception Centres
- Public works shop in Austin has a portable generator and could be used as an alternate EOC
- Fire protection provided by MacGregor Fire Department and Austin Fire Department
- Mutual Aid agreements with surrounding Fire Departments that border North Norfolk and Neepawa Fire Department
- Memorandum of Understanding with surrounding municipalities of Westlake-Gladstone, Victoria, Norfolk Treherne, and North Cypress-Langford
- Would not require evacuation assistance
- Population ± 3853
- Prefer ERP in electronic format

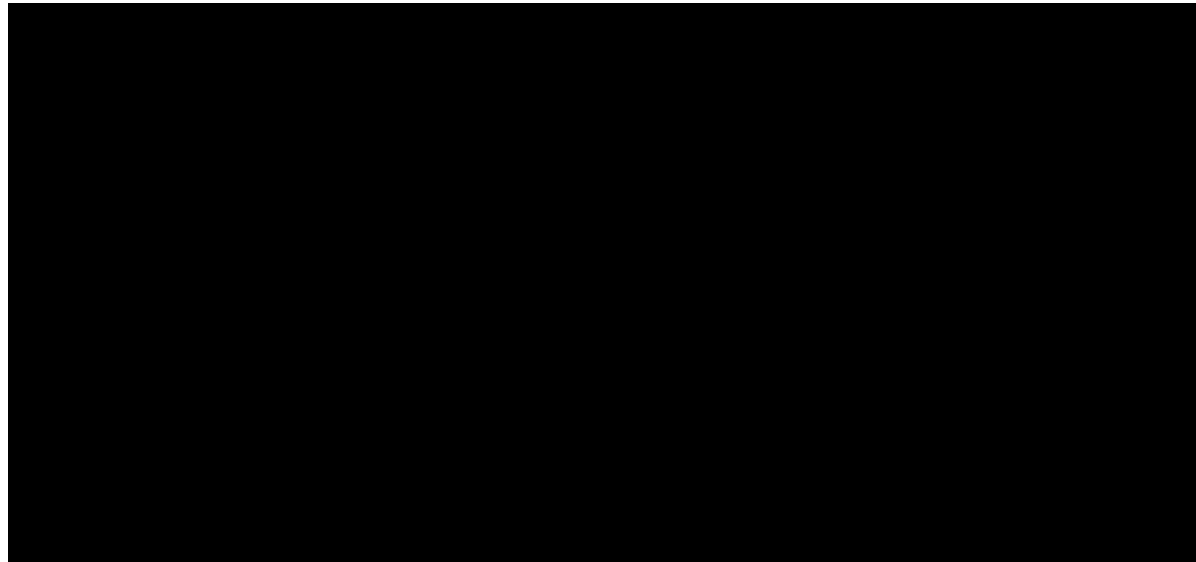
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Prairie View Municipality



ROLES AND RESPONSIBILITIES

Date: May 24, 2022
Local Authority: **Prairie View Municipality**
Mailing Address: Box 70, Birtle, MB R0M 0C0
Main Office Number: 204-842-3403
Fax Number: 204-842-3496
Website: www.myprairieview.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centres are Miniota Community Hall and Birtle Community Hall
- Fire protection from Miniota Volunteer Fire Department and Birtle Volunteer Fire Department
- Roadblock equipment available through MB Highways
- Evacuation assistance may be required
- Population ± 2088
- Prefer ERP in electronic format

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R.M of Cartier



ROLES AND RESPONSIBILITIES

Date: June 14, 2022
Local Authority: **R.M. of Cartier**
Mailing Address: Box 117, Elie, MB R0H 0H0
Main Office Number: 204-353-2214
Fax Number: 204-353-2335
Website: www.rm-cartier.mb.ca
24 Hour Number: 204-791-9347 (Andrew Waldner cell) 204-771-0867 (Dan Bouchard, Cartier Fire Chief).

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Fire Services provided by Cartier Volunteer Fire Department
- One of 10 RMs who participate in the Boyne Mutual Fire Agreement
- Evacuation assistance would be required
- Population ± 3368
- Prefer emergency response plan in electronic format

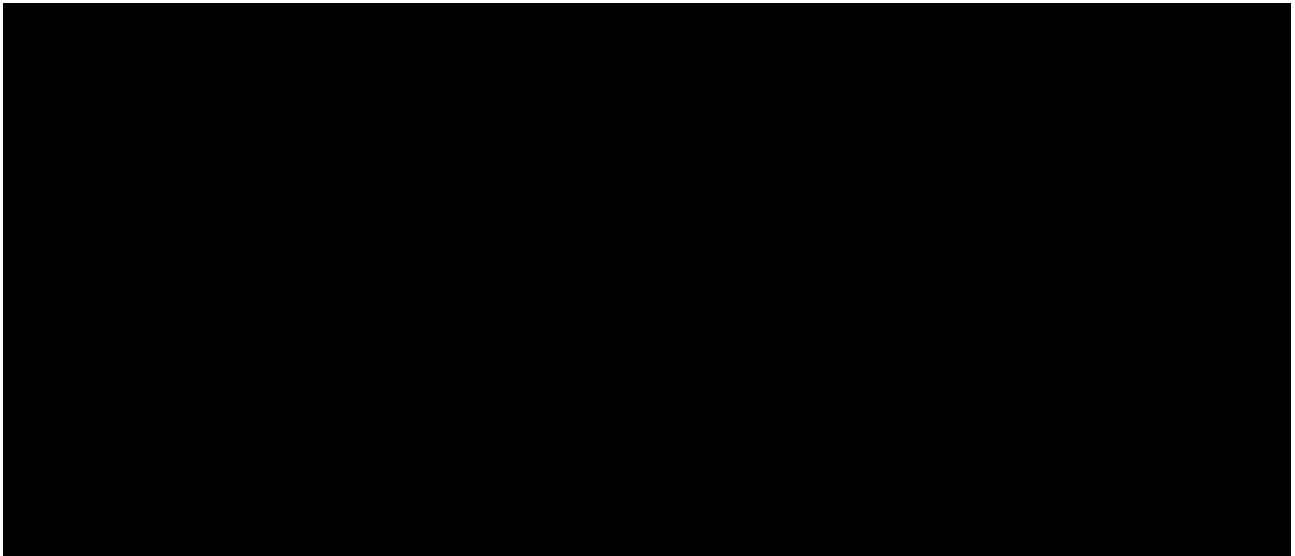
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R.M of Ellice-Archie



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Ellice-Archie**
Mailing Address: Box 67, McAuley, MB R0M 1H0
Main Office Number: 204-722-2053
Fax Number: 204-722-2027
Website: www.rmofellicearchie.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident
- Member of Oak Lake Mutual Aid Fire District and West Central Mutual Aid Fire District
- Limited roadblock equipment available
- May require evacuation assistance
- Population ± 887
- Prefer ERP in electronic format

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R.M of Elton



ROLES AND RESPONSIBILITIES

Date: May 20, 2022
Local Authority: **R.M. of Elton**
Mailing Address: General Delivery, Forrest, MB R0K 0W0
Main Office Number: 204-728-7834
Fax Number: 204-725-1865
Website: www.rmofelton.ca
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre determined at time of incident
- Fire protection provided by Mutual Aid partners: City of Brandon, RM of Oakview, Riverdale Municipality and CFB Shilo
- Evacuation Assistance would likely not be required
- Population ± 1273
- Prefer ERP in electronic format

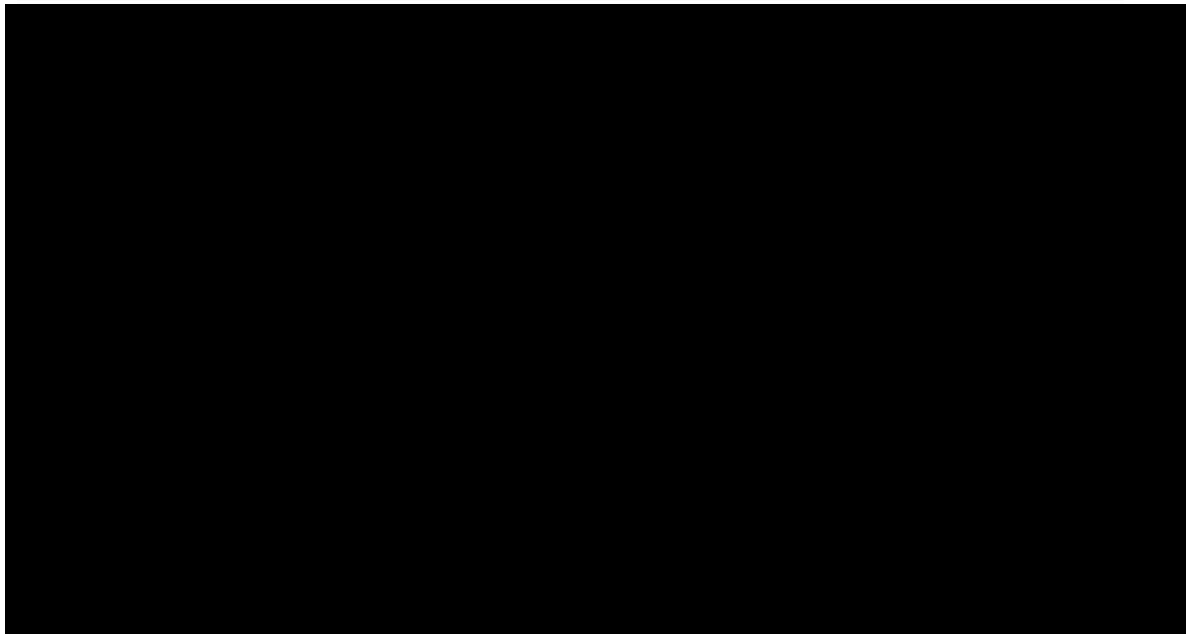
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R.M. of MacDonald



ROLES AND RESPONSIBILITIES

Date: June 9, 2022
Local Authority: **R.M. of Macdonald**
Mailing Address: Box 100, Sanford, MB R0G 2J0
Main Office Number: 204-736-2255
Fax Number: 204-736-4335
Website: www.rmofmacdonald.com
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Limited roadblock equipment available
- Fire protection provided by Macdonald Fire Department
- Belongs to Boyne River Mutual Aid group which includes surrounding communities
- Evacuation assistance would not be required
- Population ± 7162
- Prefer ERP in electronic format

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R.M. of Minto-Odanah



ROLES AND RESPONSIBILITIES

Date: May 25, 2022
Local Authority: **R.M. of Minto-Odanah**
Mailing Address: Box 1197, Minnedosa, MB R0J 1E0
Main Office Number: 204-867-3282
Fax Number: 204-867-1937
Website: -
24 Hour Number: -

ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Emergency Measures Plan (EMP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre will be determined at time of incident
- Fire Protection Agreement with the Town of Minnedosa
- EOC would be the Public Works Office
- Would not require evacuation assistance
- Population ± 1189
- Prefer ERP in electronic format

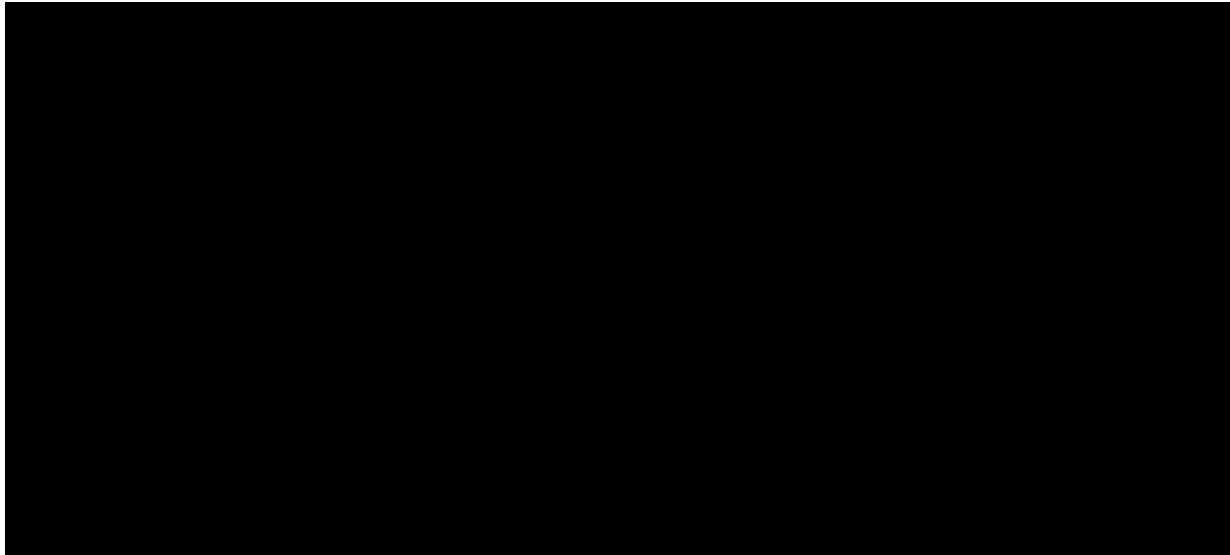
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R.M. of Oakview



ROLES AND RESPONSIBILITIES

Date: May 26, 2022
Local Authority: **R.M. of Oakview**
Mailing Address: Box 179, Oak River, MB R0K 1T0
Main Office Number: 204-566-2146
Fax Number: 204-566-2126
Website: www.rmof oakview.ca
24 Hour Number: -



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident
- Limited roadblock equipment available
- Would not require evacuation assistance
- Fire protection provided by Oak View Fire Department and Rapid City Fire Department
- Population ± 1626
- Prefer ERP in electronic format

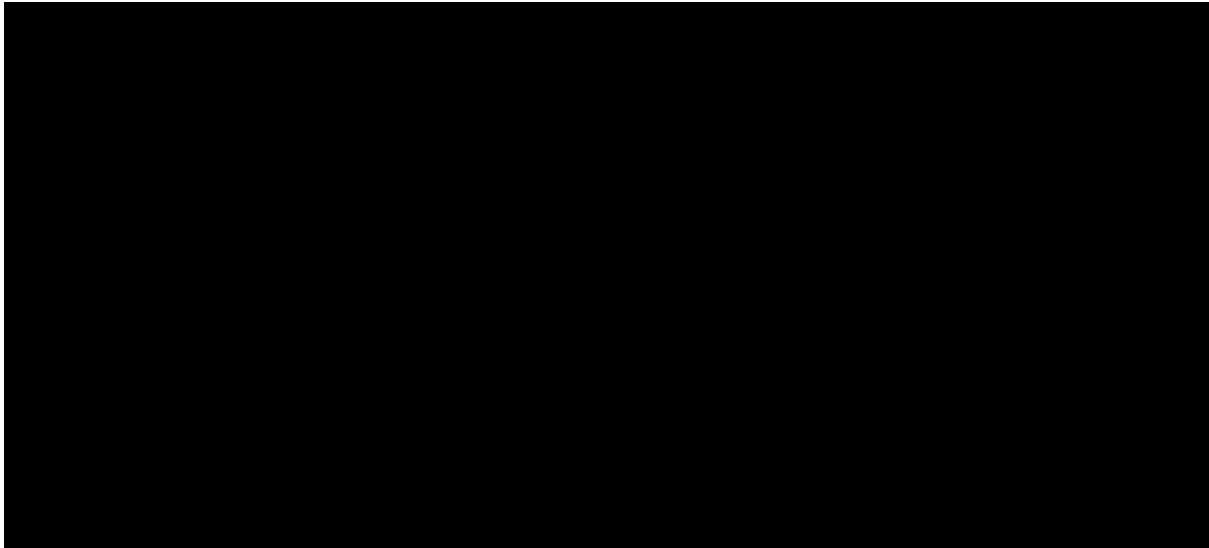
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R.M. of Portage la Prairie



ROLES AND RESPONSIBILITIES

Date: May 26, 2022
Local Authority: **R.M. of Portage la Prairie**
Mailing Address: 35 Tupper Street South, Portage la Prairie, MB R1N 1W7
Main Office Number: 204-857-3821
Fax Number: 204-239-0069
Website: www.rmofportage.ca
24 Hour Number: 204-239-8340 (Fire Department)



ROLES:

Confirmation that your municipality will carry out the following duties to the best of its ability:

- Initiate and manage response in accordance with your Municipal Emergency Plan (MEP)
- Ensure emergency services and resources are available in accordance with the Local Authority's policies
- Provide support in accordance with the Local Authority's policies
- Assist with fire protection in accordance with the Local Authority's policies
- If required, activates a Municipal Emergency Operation Centre
- If required, may dispatch representative(s) to Government and Plains Midstream Canada Emergency Operation Centre(s)
- If deemed necessary, may declare a State of Local Emergency (SOLE)

RESOURCES:

- Reception Centre would be determined at time of incident – Portage la Prairie has a list of Reception Centres
- Roadblock equipment available
- Fire protection provided by Portage la Prairie Fire Department
- Evacuation may be required for rural residents
- Population ± 6975
- Prefer ERP in electronic format

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8.5 Provincial Section

8.5.1 Emergency Management

8.5.1.1 Emergency Management in Alberta

In Alberta, for provincially regulated operations, through Directive 071, the Alberta Energy Regulator (AER) states, “the licensee must take appropriate actions, including public protection measures, for each level of emergency”. The AER further states, “it is the licensee’s responsibility to initiate public protection measures inside the Emergency Planning Zone (EPZ)...”. The AER “strongly supports the use of the Incident Command System (ICS)....”.

The AER will engage the expertise, assistance, and cooperation of other departments/agencies as determined by the individual emergency. The Alberta Emergency Management Agency (AEMA), as the coordinating agency, will assist the AER and coordinate the Government’s response, engaging Government of Alberta (GoA) departments/agencies as appropriate.

8.5.1.2 Emergency Management in Saskatchewan

In Saskatchewan, the Petroleum Regulatory Agency - Saskatchewan Ministry of Energy and Resources (ER) and Saskatchewan Public Safety Agency (SPSA) work closely to minimize the impact of an incident in Saskatchewan.

8.5.1.3 Emergency Management in Manitoba

In Manitoba, the Manitoba Emergency Measures Organization is the lead agency for the province on public safety and security. The Petroleum Regulatory Agency – Manitoba Natural Resources and Northern Development – Petroleum Branch states that, “where a spill occurs, the operator of the well or oil and gas facility shall, in accordance with the regulations, report the spill to an inspector and shall, subject to any order of an inspector:

- Stop the spill;
- Contain and clean up the spill;
- Repair or replace any faulty or damaged equipment that caused or contributed to the spill;
- Mitigate or eliminate any danger to life, health, the environment or property arising from the spill;
- Take steps to rehabilitate any land affected by the spill; and
- Take steps to prevent the occurrence of a similar spill.

8.5.2 Industrial Wildfire Control and Prevention Plan

8.5.2.1 Alberta Industrial Wildfire Control and Prevention Plan

The Industrial Wildfire Control and Prevention Plan is mandatory under the Forest Prairie and Protection Act. The intent of this annually updated plan is to proactively identify and update your values at risk and your wildfire prevention strategies in an effort to reduce the potentially negative impacts of wildfire during the upcoming fire season. Annual plans are to be prepared and submitted to your local Forestry Division wildfire prevention officer(s) prior to the end of February of each year. Any deficiencies in the plan will be reported to the company by the end of March. The information you provide to your location Forestry Division staff is critically important to enhance local knowledge and communications between local Forestry Division staff and industry field/office staff. It will also be used to enhance Forestry Division’s ability to quickly respond to and suppress wildfires that may threaten our personnel, infrastructure and production.

Note: Not applicable in Saskatchewan, Manitoba or Ontario.

8.5.3 Worker Serious Injuries or Fatality

8.5.3.1 Alberta Worker Serious Injuries or Fatality

Section 40, Subsection 1 of the Alberta Occupational Health and Safety Act states that if an injury or accident described in Subsection (2) occurs at a worksite, the prime contractor or, if there is no prime contractor, the contractor or employer responsible for that worksite shall notify a Director of Inspection of the time, place and nature of the injury or accident as soon as possible.

Section 40, Subsection 2 of the Alberta Occupational Health and Safety Act states that the injuries and accidents to be reported under Subsection (1) are:

- an injury or accident that results in death
- an injury or accident that results in a worker being admitted to a hospital
- a potentially serious incident (PSI), where a reasonable and informed person would determine that under slightly different circumstances there would be a high likelihood for a serious injury to a person
- an unplanned or uncontrolled explosion, fire or flood that causes a serious injury or that has the potential of causing a serious injury
- the collapse or upset of a crane, derrick or hoist
- the collapse or failure of any component of a building or structure necessary for the structural integrity of the building or structure

8.5.3.2 Saskatchewan Worker Serious Injuries or Fatality

Under the Saskatchewan Occupational Health and Safety Regulations; employers and contractors must contact the Ministry of Labour Relations & Workplace Safety – Occupational Health & Safety any “Critical Incident”:

- A serious adverse health event including, but not limited to, the actual or potential loss of life, limb or function related to a health service provide by, or a program operated by, Saskatchewan Health Authority (SHA) or health care organization.

PMC must prepare the OHS Incident Reporting and Investigation Form 101 and provide a copy of the report to the Occupational Health Committee or the Occupational Health and Safety Representative.

8.5.3.3 Manitoba Worker Serious Injuries or Fatality

When a serious incident occurs at a workplace, the employer is required to notify Manitoba Workplace Safety and Health Branch (WSH) of the incident immediately, and by the fastest means of communication available. The Workplace Safety and Health Regulation define a serious incident as one:

- In which a worker is killed;
- In which a worker suffers:
 - An injury resulting from electrical contact;
 - Unconsciousness as the result of a concussion;
 - A fracture of his or her skull, spine, pelvis, arm, leg, hand or foot;
 - Amputation of an arm, leg, hand, foot, finger or toe;
 - Third degree burns;
 - Permanent or temporary loss of sight;
 - A cut or laceration that requires medical treatment at a hospital as defined in *The Health Services Insurance Act*; or
 - Asphyxiation or poisoning.
- That involves:
 - The collapse or structural failure of a building, structure, crane, hoist, lift, temporary support system or excavation;
 - An explosion, fire or flood, an uncontrolled spill or escape of a hazardous substance;
 - The failure of an atmosphere-supplying respirator.
- Contact the Manitoba Workplace Safety and Health Branch (WSH) to report a serious incident, injury, or fatality at **1-855-957-7233**

8.5.4 Energy Resources Industry Emergency Support Plan (ERIESP)

8.5.4.1 Alberta ERIESP

The Energy Resources Industry Emergency Support Plan (ERIESP) is the provincial-level plan which guides Government of Alberta (GoA) operations in supporting local authorities and energy resources industry duty holders during emergencies. It is intended solely for provincial departments/agencies. This plan may be used for any area of the energy resources industry where the Alberta Energy Regulator (AER) has jurisdiction. The Alberta Energy Regulator (AER) is the default lead agency for this plan as they are the regulator for the energy resources industry in Alberta.

This plan lays out the basic functions of each department/agency to clarify roles and responsibilities in responding to and recovering from an energy resources industry emergency. Municipalities (local authorities) in Alberta have all-hazard Municipal Emergency Plans (MEP) for responding to both natural and human-induced emergencies, as governed by the Emergency Management Act.

The Energy Resources Industry Emergency Support Plan (ERIESP) coordinates the Government of Alberta (GoA) response in supporting both the energy resources industry duty holder and the municipality (local authority).

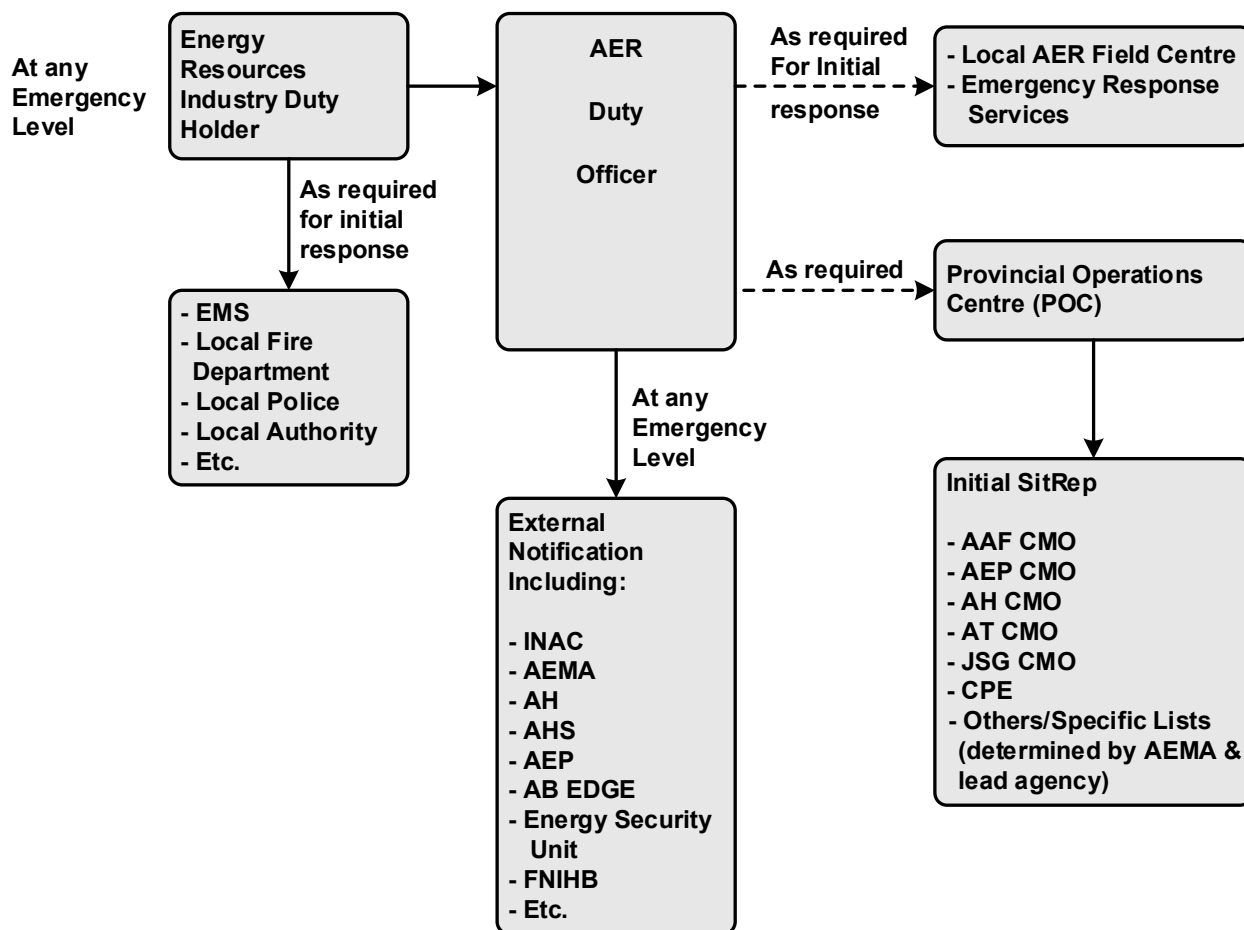
The list below outlines (but is not limited to) the provincial departments/agencies with specific roles under this plan. Confirmed roles and responsibilities for local authorities and government agencies are inserted at the end of this section.

- **Alberta Agriculture and Forestry (AAF)** - Responsible for providing expertise and information on the impact of an emergency on agriculture and livestock. Emergency notification to duty holder if energy resources industry infrastructure is threatened by a wildfire in the Forest Protection Area.
- **Alberta Emergency Management Agency (AEMA)** - An agency of Alberta Municipal Affairs responsible for coordinating Government of Alberta (GoA) emergency management and assisting local authorities with emergency response, if required.
- **Alberta Energy Regulator (AER)** - Is the primary regulator for the energy resources industry in Alberta, therefore they are responsible for ensuring there is a response to energy resource emergencies.
- **Alberta Environment and Parks (AEP) and Parks (AEP)** - Responsible for ensuring that environmental impacts are mitigated during non-energy industry emergencies.
- **Alberta Health (AH)** - Provides technical expertise on potential health impacts to the public, linkages to health resources, and considers provincial health system impacts.
- **Alberta Justice and Solicitor General (JSG)** - Provides intelligence and threat risk assessments in relation to human induced intentional threats/hazards in relation to critical infrastructure and key assets.
- **Alberta Communications and Public Engagement (CPE)** - Responsible for all public messaging released by the Government of Alberta (GoA) other than the Alberta Energy Regulator (AER).
- **Alberta Transportation (AT)** - Provides support for emergency response to dangerous goods emergencies and also operates the Alberta Transportation Environmental and Dangerous Goods Emergencies (EDGE), the government emergency response centre for all transportation incidents involving dangerous goods.
- **Local Authority** - The response of the local authority is found in the applicable Municipal Emergency Plans (MEP).

Federal assistance will be requested through Alberta Emergency Management Agency (AEMA) to Public Safety Canada. Transport Canada; Environment Canada; Department of Fisheries and Oceans; Indigenous & Northern Affairs Canada; First Nation and Inuit Health Branch; Public Health Agency of Canada; and the Canada Energy Regulator (CER) may often be involved.

The AER Duty Officer will determine which external departments/agencies require notification of the emergency. The AER Duty Officer initiates the initial notification. Table 2 – Emergency Notification Process depicts this process.

Table 2: Emergency Notification Process



Source: Energy Resources Industry Emergency Support Plan 2015

8.5.5 Provincial Government Roles - Alberta

8.5.5.1 Alberta Energy Regulator (AER)

- Confirm and act as lead Government of Alberta (GoA) organization in energy resources industry emergency preparedness and response.
- Set requirements for planning for, and responding to energy resources industry emergencies.
- Participate in exercises of this plan.
- Review and recommend changes to this plan.
- Maintain 24/7 telephone contact where energy resources industry emergencies can be reported.
- Maintain 24/7 emergency contact numbers where resources can be accessed to carry out a response to this plan.
- Make this plan available to stakeholders.
- Communicate changes to the plan with stakeholders
- Maintain emergency response resources.
- Act as Subject Matter Expert (SME).
- Receive notification of energy resources industry emergencies.
- Determine the emergency level of an emergency through consultation with the duty holder.
- Dispatch AER representative to the site of the emergency, as required.
- Confirm that local resources have been notified as appropriate.
- Monitoring discharges and ensuring appropriate mitigation and response actions are taken to reduce the impact of liquid releases for land based spills and to ensure watercourses are protected.
- Confirm, plan and/or implement public safety actions taken to ensure the safety of the public and the environment, including issuing Fire Hazard Orders or requesting NOTAMs.
- As lead agency, provide coordination for departments/agencies and duty holder on site.
- Request a local authority liaison officer to be present at the REOC, if necessary.
- Activate the Energy Resources Industry Emergency Support Plan.
- Advise AEMA to escalate POC activation (if required).
- Identify and request initial provincial resources to FCEsupport the emergency response, to be coordinated at the regional level, if necessary, through a local or regional EOC.
- Initiate consolidated Situation Reports through AEMA.
- Provide Situation Reports to AEMA if requested.
- Send an AER representative to the emergency location and/or the incident command post.
- Establish an EOC at the local AER Field Centre until the duty holder or local authority establishes a REOC. AER ECC will be expanded if a REOC is not established.
- Dispatch an AER representative to the REOC when it opens.
- Request the deployment of other provincial GoA department/agency representative to be present at the REOC, or the local AER Field Centre ECC.
- Provide timely situation reports, through AEMA, to other GoA departments/agencies activated by this plan.
- Notify all participants when the emergency has concluded and there is no longer any hazard to the public.
- Conduct the PIA related to the response, as described by the ERIESp.
- As part of the PIA, recommend any mitigation actions that may improve the coordination of the GoA response, as described by the ERIESp.
- Establish processes to receive and address community concerns.
- Review and update the ERIESp, in consultation with AEMA.
- Communicate any changes to the ERIESp to applicable stakeholders.

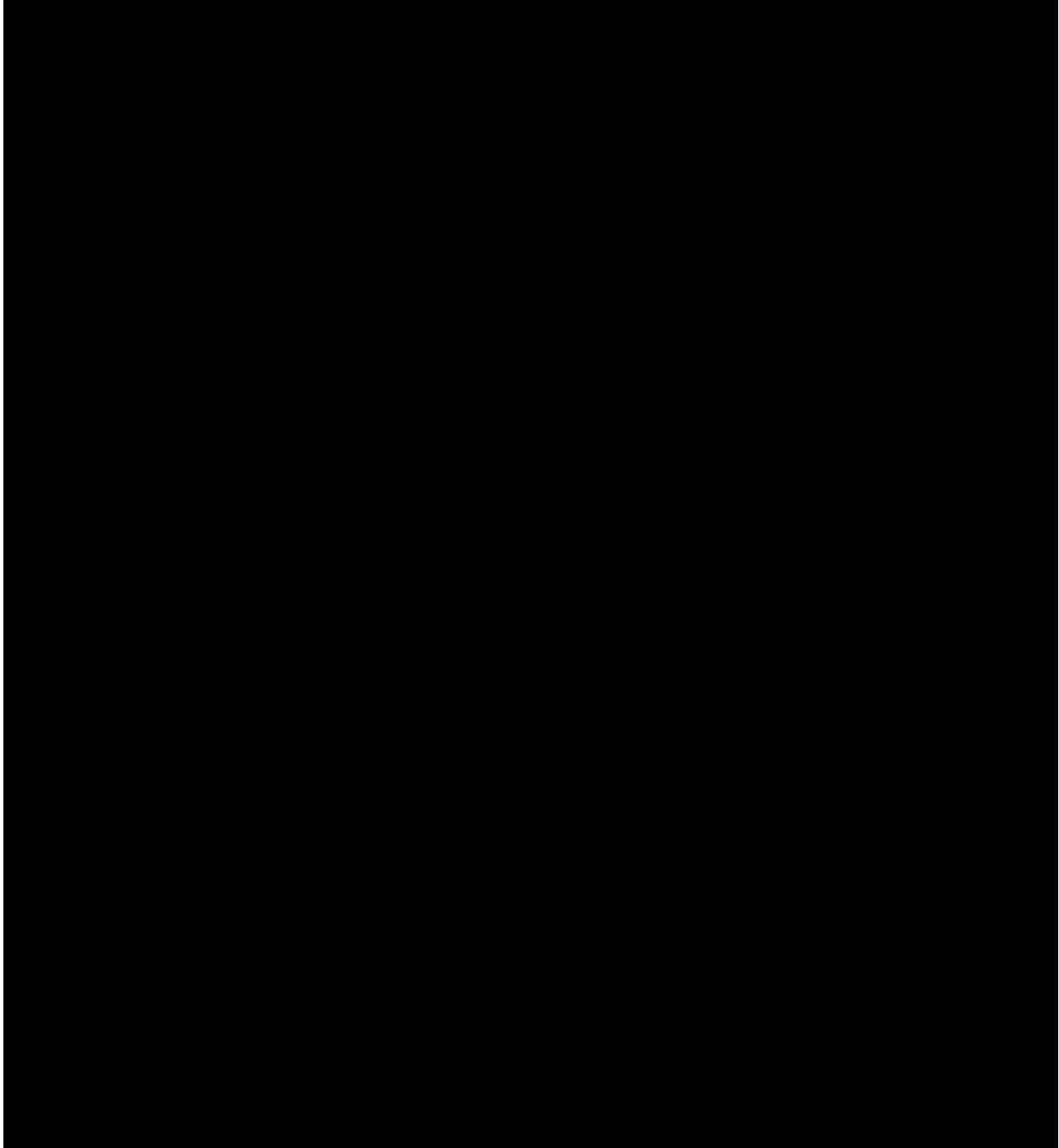
8.5.5.2 Alberta Emergency Management Agency (AEMA)

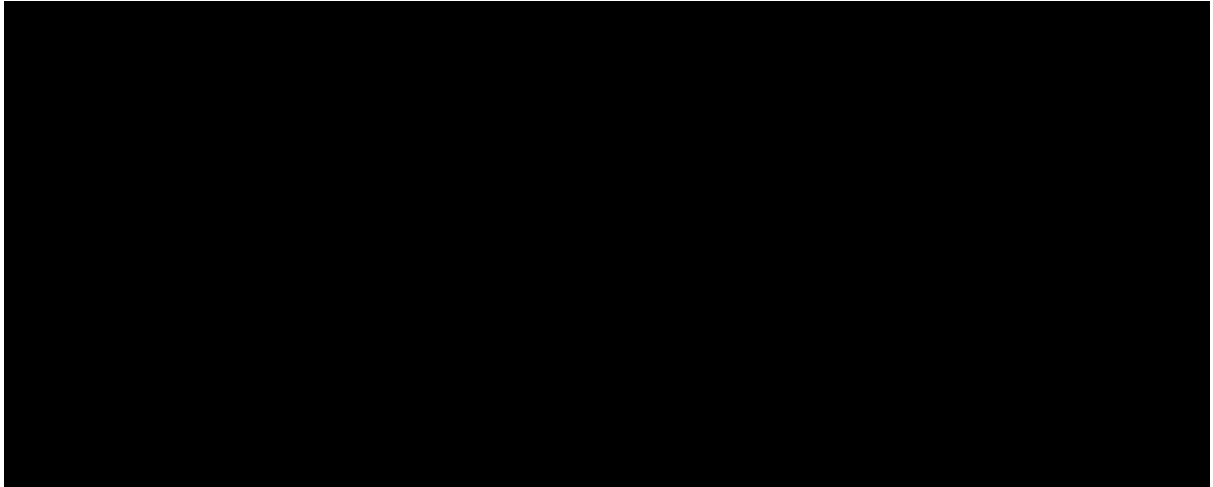
- Act as the provincial coordinating agency in energy resources industry emergency responses as per the Emergency Management Act.
- Maintain list of 24 hour emergency contact numbers.
- Maintain 24 hour duty manager system.
- Confirm AER has been notified.
- Conduct the notification in accordance with Section 5.3.
- Obtain a situation report from the AER, AEP, local authority, etc.
- Confirm the level of emergency.
- Elevate the POC as required.
- Notify the appropriate provincial officials as per standard operating procedures.
- Release consolidated Situation Reports in accordance with section 3.4.4.
- Coordinate the Government of Alberta response including requests for provincial/federal resources.
- Provide ongoing situation reports or briefing notes to appropriate provincial officials in accordance with the AEP or as requested.
- Notify partners and stakeholders when the event is over.
- Participate in all PIAs related the ERIESP.
- Complete documentation or reporting in relation to the activation of the ERIESP and the emergency for all GoA-wide PIAs.

8.5.5.3 Occupational Health & Safety (OHS)

- Maintain and provide resources to support 24\7 employer reporting of incidents to OHS.
- Maintain capacity for OHS attendance to a work site when warranted.
- Inspect the work activities and processes to ensure legislative standards are being met by all work site parties. (Attendance to be determined by Occupational Health and Safety management.)
- Ensure work site parties have implemented appropriate controls prior to re-entry by workers.
- Investigate the incident if the incident is a reportable incident in line with current Alberta OHS Legislation.
- Ensure internal investigation has been conducted and that identified corrective actions have been minimized to reduce recurrence of similar incidents.
- Ensure health and safety committee or health and safety representative as defined by OHS legislation has been involved in internal investigations.

8.5.5.4 Alberta Health Services





24 Hour Emergency Notification

Phone: 1-844-755-1788

Email: edp@ahs.ca

Use the phone number and email for all notifications across Alberta.

For more information, please contact your nearest Environmental Public Health office.

Edmonton Main Office	780-735-1800	Edmontonzone.environmentalhealth@ahs.ca
Calgary Main Office	403-943-2295	Calgaryzone.environmentalhealth@ahs.ca
Lethbridge Main Office	403-388-6689	Southzone.environmentalhealth@ahs.ca
Grande Prairie Main Office	780-513-7517	Northzone.environmentalhealth@ahs.ca
Red Deer Main Office	403-356-6366	Centralzone.environmentalhealth@ahs.ca
www.ahs.ca/eph		

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8.5.5.5 Alberta Agriculture and Forestry (AAF)

- Act as subject matter expert (SME) relating to agriculture and livestock impacts.
- Act as the liaison between farming/ranching community and the Government of Alberta (GoA).
- Maintain emergency response resources.

Agriculture

- Act as SME relating to agriculture and livestock impacts.
- Act as the liaison between farming/ranching community and GoA during energy resources industry emergencies.
- Provide information relating to agricultural and livestock impacts to the GoA during energy resources industry emergencies.
- Provide a summary of agriculture and livestock impacts during the PIA process. (if applicable)
- Conduct agriculture and livestock impact assessments.
- Implement response activities as required.

Forestry

- Notify forestry staff in the area of the emergency.
- Forest Areas Wildfire Coordination Centres will notify duty holder if energy resources industry infrastructure is threatened by wildfire, where practical and in order of priority. Priority contact will be through the contact information indicated in the company's Industrial Wildfire Control Plan for the identified locations. Can fight wildfires started as the result of the energy resources industry product release.
- Alberta Wildfire is responsible for managing all wildfires within the Forest Protection Area. Will suppress wildfires caused from industry operations when industry has appropriately shut-in the operation and notified Alberta wildfire to ensure the safety of first responders.
- Conduct forest impact assessment. (if applicable)

8.5.5.6 Alberta Transportation (AT)

- Maintain a 24/7 call centre (EDGE - Environmental and Dangerous Goods Emergencies) to receive emergency calls related to the transportation and handling of dangerous goods as well as environmental spills/releases/ incidents, and AER emergency notifications.
- Act as SME for dangerous goods incidents.
- Handle inter-departmental communication as needed during energy resources industry emergencies.
- Maintain ability to process calls for new emergencies.
- Provide information on the impacts to transportation routes.
- Provide response support if dangerous goods are released.
- Provide a summary of transportation impacts during the PIA process. (if applicable)

8.5.5.7 Communications and Public Engagement (CPE)

- Maintain a team of trained Communications and Public Engagement personnel.
- Activate crisis communications plan and crisis communications response.
- Confirm distribution of AER messaging. Provide support as required.
- Participate in all PIAs related to the ERIESP.
- Coordinate key messaging with the AER.

8.5.5.8 Alberta Justice and Solicitor General (JSG)

- Maintain the list of Critical Infrastructure and key assets in the Province of Alberta.
- Maintain and regularly test the Emergency Notification System.
- Maintain awareness of threats, vulnerabilities, and risks related to human induced intentional hazards.
- Provide intelligence and threat risk assessments when appropriate and when requested, in relation to critical infrastructure and key assets.
- Communicate with owners and operators of critical infrastructure and key assets, through normal communication channels, or if necessary, through the Emergency Notification System maintained by ASSIST.
- Participate in all PIAs related to the ERIESP.
- Communicate with owners and operators of critical infrastructure and key assets, through normal communication channels, or if necessary, through the Emergency Notification System maintained by ASSIST.

8.5.5.9 Alberta Boilers Safety Authority (ABSA)

- Review, accept and register pressure equipment designs and construction procedures that relate to pressure equipment.
- Issue certificate of inspection permits for pressure equipment before the equipment is placed into service.
- Ensure that regular inspections of in-service pressure equipment are conducted.
- Keep records for pressure equipment that has been registered for use, or manufactured, in Alberta.
- Examine, certify and register Pressure Welders and Welding Examiners, Power Engineers, and Pressure Equipment Inspectors.
- Authorize and monitor, through quality management systems, organizations that have been permitted to conduct some of the activities subject to the regulations.
- Conduct safety education and training.
- Receive notification of an incident.
- As required under the Pressure Equipment Safety Regulation Section 35, the accident scene must not be disturbed (except when it is absolutely necessary to prevent death or injury, or to prevent further property damage) unless approval to do so has been given by an ABSA Safety Codes Officer.
- Investigate accidents or unsafe conditions that involve pressure equipment.

ABSA May:

- close all or part of the accident site for 48 hours (or longer if authorized by a Justice)
- prohibit any person from entering the site for safety reasons or to preserve evidence
- be accompanied by any person for assistance
- inspect and photograph any thing
- require any person to make full disclosure
- require closure or disconnection of any thing
- require to be performed any tests or evaluations
- remove evidence
- require production of documents

8.5.5.10 Alberta Environment & Parks (AEP)

- Maintain 24 hour emergency contact numbers and duty officer where resources can be accessed for a response related to this plan.
- Maintain emergency response resources.
- Maintain a specialty air monitoring team and equipment used to oversee and verify air monitoring during incident response.
- Act as SME.
- Prepare to act as lead agency when appropriate.
- Ensure that non-energy industry resources environmental impacts are mitigated.
- Provide expertise to mitigate the impacts of non-energy resources industry liquid releases on land and into watercourses.
- Provide technical assistance related to emergency drinking water supply engineering.
- Notify Fish and Wildlife staff in the area of the emergency.
- Compile and maintain environment/emergency related records
- Monitor environmental recovery, when required.

8.5.5.11 Workers Compensation Board (WCB)

The Workers' Compensation Board is a statutory corporation created by government under the Workers' Compensation Act to administer a system of workplace insurance for the workers and employers of the province of Alberta.

- WCB has the overall responsibility for the administration of the workers' compensation system in Alberta.
- Be a neutral and autonomous administrator of the worker's compensation system.
- Strive to balance the interests of workers and employers.
- Delivery of workers' compensation services to the workers and employers of Alberta.
- Make decisions based on evidence, law and policy and fair, impartial and transparent processes.
- Encourage safer workplaces and promote disability management.

Employer must report to WCB within 72 hours of being notified of an injury/illness that results in or will likely result in:

- Lost time or the need to temporarily or permanently modify work beyond the date of accident
- Death or permanent disability (amputation, hearing loss, etc.)
- A disabling or potentially disabling condition caused by occupational exposure or activity (poisoning, infection, respiratory disease, dermatitis, etc.)
- The need for medical treatment beyond first aid (assessment by a physician or chiropractor, physiotherapy, etc.)
- Medical aid expenses (dental treatment, eyeglass repair/replacement, prescription medications, etc.)

Note: Immediately report fatalities and serious injuries to the OHS Contact Centre 1-866-415-8690.

- Determines whether the injury or illness is caused by work.
- Responds to all client inquiries forwarded by the Minister and all other elected officials.
- Compensates injured workers for lost income, health care and other costs related to a work-related injury.
- Safely restores injured workers through return-to-work services to a level of competitive employability.
- Take reasonable measures to maintain a reasonable quality of life for severely injured workers through the provision of services allowed by legislation and policy.

8.5.6 Provincial Government Roles - Saskatchewan

8.5.6.1 Ministry of Energy and Resources (ER)

The Energy Regulation Division is responsible for regulating environmental aspects of the oil and gas industry. This division has major responsibilities in all areas related to provincial jurisdiction over oil and gas resources.

- Act as the lead provincial government organization in petroleum industry emergency responses.
- Participate in selected licensee ERP exercises.
- Review and recommend changes to Emergency Response Plans.
- Maintain a 24 hour telephone contact where petroleum industry incidents can be reported.
- Maintain 24 hour emergency contact numbers where resources can be accessed to carry out a response to Emergency Response Plans.
- Approve applications for wells, production facilities, pipelines and gas plants, under the authority of the Oil and Gas Conservation Act/Regulations, the Pipelines Act, and the Crown Mineral Act/Regulations.
- Inspect and monitor field operations associated with the petroleum industry.
- Approve exploration programs.
- Control produced water disposal.
- Receive information pertaining to petroleum industry incidents.
- Initiate notification of other government agencies.
- May directly alert the following agencies as required:
 - Closest RCMP detachment
 - Local / Municipal / Regional authorities
 - Other government agencies
- Assist the Canada Energy Regulator (CER) if required.
- Participate in a lessons learned process based on the scope of their involvement and the outcome.
- Monitor spills and cleanup and approve specific waste treatment and remediation programs.

8.5.6.2 Saskatchewan Public Safety Agency (SPSA)

The Saskatchewan Public Safety Agency is committed to promoting emergency preparedness, 9-1-1, fire and life safety education across Saskatchewan. The various programs offered have one common goal – to better prepare and protect the residents, property and environment of the province of Saskatchewan.

- Prepare to assist the Ministry of Energy and Resources with response to petroleum industry incidents.
- Review and recommend changes to Emergency Response Plans.
- Make the plan available to stakeholders.
- Train personnel to carry out functions as assigned by their Emergency Plan or procedures.
- Participate in selected licensee ERP exercises.
- Communicate changes to the plan to plan holders.
- Maintain 24 hour emergency contact numbers.
- Maintain a 24 hour duty manager system.
- Maintain GEOC readiness.
- If notified of an emergency, inform the Ministry of Energy and Resources and the local authority of the notification.
- Upon notification of an emergency event of moderate (level 2) or high (level 3) impact, complete the provincial government notification and call down.
- The SPSA duty manager obtains a SitRep from Ministry of Energy and Resources, industrial operator or the local authority and confirms the level of impact.
- The duty manager notifies the appropriate provincial officials as per operating procedures.
- Prepare briefing notes, as appropriate.
- When requested by the local authority, dispatch an SPSA district officer (liaison officer) to the municipal EOC.
- When requested, activate the GEOC for the Ministry of Energy and Resources to use as the off-site REOC until the REOC is established near the event site.
- Upon request from the Ministry of Energy and Resources, dispatch SPSA representative to the REOC near the event site.
- Upon request of the Ministry of Energy and Resources or the local authority, activate the GEOC to coordinate and support response activities to the event with provincial resources.
- Provide ongoing SitReps or briefing notes to appropriate provincial officials.
- Notify plan holders when the event is over.
- Debrief GEOC participants.
- Compile GEOC log.
- Properly shut down GEOC.
- Participate in event debriefings.
- Communicate any changes of the plan to all plan holders.
- Complete report in relations to the activation of the Emergency Response Plan and the incident.

8.5.6.3 Ministry of Environment

- Maintain 24 hour emergency contact number (1-800-667-7525) for reporting environmental emergencies.
- Review project applications to assess potential impacts on fish and wildlife and associated habitat (including fish and wildlife development fund lands and conservation easements), endemic flora, endangered flora and fauna species, timber resources, provincial parks, resource lands, recreational resources waters (wetlands, creeks, rivers and lakes).
- Administer the Saskatchewan environment assessment and review process as outline in the Environmental Review Guidelines for Oil and Gas Activities to assess, regulate, and mitigate the impact of alterations to the natural environment by oil and gas activities.
- Grant surface leases and easement agreements on Crown resource lands under the authority of several Acts. Provide advice on project development in environmentally sensitive areas, including guidance on environmentally acceptable construction and development practices.
- Provide administration and management of Crown Lands in regard to habitat concerns to ensure sustainability and biological diversity.
- Establish conditions for the management and protection of natural resources including forests, fish, wildlife, lands, waters and parks.
- Protection of primary resources including air, water, and soil using regulatory and non-regulatory controls (i.e., pollution prevention and regulation of waste dangerous goods).
- Conduct field inspections to ensure that project development and operation comply with relevant regulatory requirements.
- Receive and audit wildfire prevention plans submitted as per Section 20 of The Wildfire Act.

Wildfire Protection Operations

- Wildfire management on all crown lands (including parks) within the province to protect values at risk within those areas. This includes policy, prevention, mitigation detection, response and reclamation associated with wildfires.
- Wildfire priorities are: (1) Human Life; (2) Communities; (3) Major public and industrial infrastructure; (4) commercial timber; and (5) Structures, natural resources and commercial/industrial operations.
- Provincial Wildfire is supported by provincial aircraft fleet, staff, equipment as well as contracted services primarily based out of northern parts of the province.
- The Wildfire Management Branch is often required to provide significant support to the Province's Emergency Management Organization for non-wildfire type events.

Forest Services

- Operating plan approvals and permit issuance.
- Monitoring, inspecting, compliance and enforcement.
- Review and approval of timber harvesting dispositions.
- The ministry is only responsible and/or involved in transportation related spills and hazmat incidents involving upstream oil and gas products. The Ministry of Energy and Resources is the lead for all Oil and Gas incidents associated with pipeline, flowline and well releases.
- Monitor discharges and mitigates impact of release related substances.
- Mobilize wildfire management resources as required in the event of a wildfire or situation that has the potential to create a wildfire.
- Develop weather forecasts and wildfire hazard forecasts in cooperation with federal and provincial partners.
- Carry-out wildfire response to protect values at risk from wildfire.
- Assist in locating transients for evacuation.
- Provide advice as to the effects of igniting the released product.
- As requested, will provide and approve burning permit to ignite a spill or release.
- Provide advice regarding the effects of the contaminants on wildlife, livestock, plants and soil.
- Provide advice and assistance in developing procedures to mitigate affected wildlife, livestock, plants, soil or farmsteads.
- Provide necessary permits for remediation activities.
- Responsible Party is responsible to provide a plan regarding the effects of the contaminants on wildlife, livestock, plants and soil to be approved by the ministry.
- Responsible Party is responsible to provide a plan to develop procedures to mitigate affected wildlife, livestock, plants, soil or farmsteads to be approved by the ministry.
- The ministry is only responsible and/or involved in transportation related spills and hazmat incidents involving upstream oil and gas products. The Ministry of Energy and Resources is the lead for all Oil and Gas incidents associated with pipeline, flowline and well releases.
- Provide regulatory oversight on development and execution of Environmental Site Assessment.
- Review restoration statements or release requests from operators following facility abandonment and reclamation on Crown.
- Provide regulatory oversight on development and execution of Corrective Action Plans.

8.5.6.4 Saskatchewan Health Authority (SHA)

- Maintain readiness status for emergency notification.
- Participate in industrial operators' exercises where possible.
- Maintain 24 hour emergency contact numbers.
- Provide representation at the off-site REOC or at the GEOC when established, if requested and if available.
- Provide accurate information to the public concerning the incident.
- Provide guidance and assistance at evacuation centre(s).
- Provide health related information about toxic chemicals and by-products.
- Provide guidance on public health advisories, public evacuation and sheltering.
- Provide guidance on rescinding a declaration of public evacuation and on allowing re-occupancy.
- Investigate health complaints from the public.
- Provide advice to the GEOC and to the REOC on existing or potential health effects associated with the incident where possible.
- Provide health advice and safety levels for any health or special care facilities and for other persons that are likely to be sensitive from the impact as a result of the incident.
- Ensure local hospitals are alerted when there is potential for an impact from a release.
- Coordinate the provision of medical services during an emergency.
- Where appropriate and necessary, can declare a Local State of Public Health Emergency.
- When possible, work with all other responders to establish a single Regional Emergency Operations Centre (REOC).

Saskatchewan Health Authority Representative will:

- Provide emergency medical services on site.
- Advise Council through EOC Mgt. Team on related public health issues.
- Log all actions.
- Compile and maintain health related records and logs.
- Participate, where possible, in event debriefings.
- Complete incident related reports.
- Provide guidance on assessing and mitigating public health risks due to any residual environmental contamination following an event.

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8.5.7 Provincial Government Roles - Manitoba

8.5.7.1 Manitoba Natural Resources and Northern Development – Petroleum Branch

The local petroleum regulatory agency will participate in the emergency response to all situations involving or threatening oilfield wells, production facilities or pipelines.

Responsibilities

- Oversees the operator's response to an incident.
- Establishes communication with the operator.
- Confirms incident level with operator.
- Confirms downgrade of incident level.
- May send a representative to the operator's Incident Command Post (ICP) and/or Reception Centre.
- Confirms ignition decision with operator if time permits.
- Confirms media releases to be sent out by operator.

8.5.7.2 Manitoba Emergency Measures Organization (EMO)

Responsibilities

- Maintains the provincial government's emergency plan and related contingency plans.
- Coordinates provincial government resources during an emergency.
- May alert all affected rural municipalities and other levels of government and industry where issues of public safety are of concern.
- Assists government Ministries, Crown corporations and agencies with their emergency planning.
- Encourages the formation of local government emergency measures organizations and assisting in the development of local emergency plans.
- Coordinates federal government emergency preparedness programs within the province.

8.5.7.3 Manitoba Environment Climate and Parks

Responsibilities

- Manages monitoring activities related to minimizing environmental damage.
- May assist with containment efforts, personnel and equipment.

8.5.7.4 Manitoba Environment Climate and Parks– Wildlife Branch

Responsibilities

- Provides assessment of potential damage and offers advice for remedial control in areas relating to renewable resources.

8.5.7.5 Manitoba Workplace Safety and Health (WS&H)

Responsibilities

- Ensures the operator is monitoring the health and safety of personnel at the incident site.
- Assists with the investigation of incidents that result in serious injuries or death to workers.

8.5.7.6 Manitoba Fire Commissioner – Inspection and Technical Services

Responsibilities

- Boiler, pressure vessel and refrigeration plant inspections;
- Gas and oil-fired equipment inspections and permits;
- Electrical application inspections;
- Elevator and amusement ride inspections;
- Licensing of power engineers, welders, gas fitters and electricians;
- Quality assurance reviews of certain engineering plans and decisions; and
- Quality assurance program reviews for pressure equipment, pressure piping manufacturing and installation.

8.5.7.7 Manitoba Transportation and Infrastructure

Responsibilities

- Assists with provincial road closures and with establishing detour routes

8.5.7.8 Manitoba Health

May ensure appropriate data is collected to monitor and investigate the health effects of the incident.

Responsibilities

- Provides advice on health and safety levels for the more vulnerable residents, including those in health care or special care facilities.
- May establish health and safety levels for the escaping of contaminants.

8.5.7.9 Manitoba Workers' Compensation Board

Responsibilities

- Administer and enforce The Workers Compensation Act, regulations and policies.
- Provide benefits and services to injured and ill workers and their dependants.
- Assist the worker to access treatment for his or her recovery and safe return to work.
- Educate, assist and support employers in building and implementing Return to Work programs.
- Maintain the financial sustainability of the workers compensation system.

8.6 Federal Section

8.6.1 Federal Agency Notifications

All pipelines that cross a provincial/country boundary are administered by the Canada Energy Regulator (CER). The CER is the regulatory authority that controls emergency response planning and actions within their jurisdiction. The CER has Memorandums of Understandings with some provincial oil and gas regulatory authorities. As required, the provincial oil and gas regulatory authority may provide response resources (manpower and equipment) from their field centres/offices to support the CER.

If an emergency occurs at a CER regulated operation, the regulated company involved will initiate its emergency response plan and follow the Incident Reporting Requirements.

For storage tanks regulated under the Canadian Environmental Protection Act, Part 8 of the Act requires that an enforcement officer or any other person designated by regulation or interim order be provided with a written report concerning an environmental emergency. The final Regulations designate the Regional Director, Environmental Enforcement Directorate, Enforcement Branch, Department of the Environment, in the region where the environmental emergency occurs.

The final Regulations specify that a written report of an environmental emergency is only to be submitted if the release has or may have an immediate or long-term harmful effect on the environment, constitutes or may constitute a danger to the environment on which life depends, or constitutes or may constitute a danger in Canada to human life or health. This precision is intended to help clarify the criteria that trigger the need for a written environmental emergency report. If there is any doubt as to whether the incident is a reportable environmental emergency, the incident should be reported to the Department.

8.6.2 Federal Government Roles

8.6.2.1 Canada Energy Regulator (CER)

The Canada Energy Regulator (CER) regulates inter-provincial and international pipelines, energy development and trade in the Canadian public interest. The CER's goal is to see to it that CER regulated facilities and activities are safe and secure and the environment is protected throughout their lifecycles.

The CER's top priority in any emergency is to make sure that people are safe and secure, and that property and the environment are protected.

For additional details, refer to the *Canada Energy Board (CER) Onshore Pipeline Regulations (SOR/99-294 – Last Amended March 16, 2020)*.

8.6.2.2 Transportation Safety Board of Canada (TSB)

The Transportation Safety Board's (TSB) 24-hour hotline number provides a single window for reporting all occurrences to the Canada Energy Regulator (CER), Natural Resources Canada and RCMP as necessary. The incident reporting protocol requires that all incidents associated with CER regulated pipelines be reported using this single window approach through the TSB. This allows the TSB to collect data for evaluation and is intended to simplify the reporting procedure. All incidents and hazardous occurrences must be reported to the TSB within 24 hours. The TSB then forwards all information to the CER. This process meets the Canadian Labour Code regulations for reporting.

The TSB is an independent agency created to advance transportation safety through the investigation of occurrences in the marine, pipeline, rail, and air modes of transportation. A 'transportation occurrence' is any accident or incident associated with the operation of a ship, pipeline, railway rolling stock, or aircraft.

The TSB and Transport Canada (TC) are separate and distinct organizations. Transport Canada is concerned with developing and administering policies, regulations, and services for transportation systems in Canada with respect to marine, rail, and aviation. This differs from the TSB mandate of advancing transportation safety in the marine, pipeline, rail, and air modes of transportation through the conduct of independent investigations, the identification of safety deficiencies, and the making of recommendations to eliminate or reduce such deficiencies.

Another key difference between the TSB and TC is that TC reports to the Federal Minister of Transport, while the TSB reports to Parliament through the President of the Queen's Privy Council for Canada. This reinforces and demonstrates the TSB's independence from regulatory bodies.

8.6.2.3 Canadian Environmental Protection Act (E2)

Environment Canada requires any petroleum operator who has charge, management or control of substances in excess of threshold limits listed in Schedule 1 of the Canadian Environmental Protection Act to:

- Submit notices (some periodic) to inform ECCC of compliance with the regulatory requirements
- Prepare an Environmental Emergency Plan (E2 Plan) and review and update it, if necessary, at least once per year
- Bring the E2 Plan into effect to make sure the facility is ready to respond to an accidental release
- Conduct simulation exercises of the E2 Plan each year, a more extensive simulation exercise every five years and prepare a record after each exercise to be kept for a minimum of 7 years
- Keep a copy of the E2 Plan readily available at the facility and other places where it is needed

8.6.2.4 Environment & Climate Change Canada (ECCC)

Environment & Climate Change Canada's Environmental Emergencies Program (EEP) protects Canadian and their environment from the effects of environmental emergencies through provision of science-based expert advice and regulations.

The key Acts and Regulations that govern ECCC's role in environmental emergencies that allow it to deliver its mandate are:

- Canadian Environmental Protection Act, 1999
- Fisheries Act—Pollution Prevention Provisions;
- Migratory Birds Convention Act, 1994;
- Statutory Notification Requirements—EC's Environmental Notification System.
- Environmental Emergencies Regulations.

During an environmental emergency, The National Environmental Emergencies Centre (NEEC) is the focal point for ECCC.

ECCC's services during an environmental emergency:

- Collaborate with federal, provincial, territorial and international environmental protection agencies to enable rapid sharing of information.
- Convene and chair a Science Table of experts and stakeholders to develop consensus based advice to the Lead Agency.
- Identify environmentally sensitive areas and priorities (sensitivity and resource at risk mapping).
- Advise on mitigation and cleanup measures.
- Provide support and guidance in the assessment of oiled shorelines to prioritize their protection and cleanup (Shoreline Cleanup Assessment Technique (SCAT)).
- Advice on the fate and behavior of the spilled product.
- Advice on sampling and laboratory analysis.
- Provide weather forecasting and spill dispersion modelling to identify where these substances are likely to move in the environment.
- Provided expertise on the migratory bird resources and species at risk, including on-site assessment and determination of wildlife impact.
- Can conduct post-emergency assessments.
- Provide specialized advice in shoreline clean-up assessment techniques (SCAT).
- Provide Advise on mitigation and cleanup measures.

8.6.2.5 Canadian Department of Fisheries & Oceans (DFO)

The Canadian Coast Guard is the lead federal agency for ensuring appropriate response to all ship-source and unknown mystery spills in Canadian waters and waters under international agreements.

- Establishes appropriate and nationally consistent level of preparedness and response services in Canadian waters.
- Design and develop related regulations, policies, strategies and tools.
- Review, assess and monitor activities associated with fish habitat to ensure their compliance with the Fisheries Act and Species at Risk Act.
- Conduct environmental assessments under the Canadian Environmental Assessment Act.
- Design, develop and implement communication and education strategies.
- Any amount of hydrocarbons entering a waterway frequented by fish or occupied by waterfowl is deemed to be in contravention of the Federal Fisheries Act and must be reported to the Department of Fisheries and Oceans.
- Work together with provincial environment protection agencies and may be initially notified by ECCC.
- May send personnel to the site if there has been or could potentially be an impact to fish or fish habitat.
- Monitors and investigates all reports of marine pollution in Canada in conjunction with other federal departments.
- Maintains communications with the program's partners, including Transport Canada and ECCC, to ensure a consistent coordinated approach to marine pollution incident response.
- Aids in search and rescue operations.
- Work closely with ECCC, The Canadian Coast Guard and other provincial environmental agencies.

8.6.2.6 NAV Canada

NAV Canada is a private company who coordinates the safe and efficient movement of aircraft in Canadian domestic airspace and international airspace assigned to Canadian control.

Flight Information Centre (FIC) – FIC Services

Each Flight Information Centre is responsible for providing its particular service area with the following services, which pilots rely upon for safe flight planning and operations:

- Emergency
- Aviation Weather Briefing
- Flight Planning
- Enroute Flight Information Services
- Remote Aerodrome Advisory Services (RAAS)
- As requested by the licensee, the Flight Information Centre will issue a NOTAM (Notice to Airmen).

8.6.2.7 Health Canada

- Sets national standards to keep the environment healthy, keep water and air pollution low and Canadians safe.
- Maintains a nationwide network of radiation monitoring stations and can act if levels spike.
- Under Chemicals Management Plan, assess health risks from chemicals used in manufacturing and agriculture and require users to prove they actually need the chemicals to make their products
- Sets strict rules on how chemicals are used in order to limit human exposure.
- Preparedness exercises are designed to test how well the plans and procedures work during simulated emergency situations. Such exercises help the government identify strengths as well as any problems or inadequacies in preparedness plans and procedures so that these can be addressed before, not after, an actual emergency.
- During a health emergency or disaster, Health Canada and the Public Health Agency of Canada are responsible for supporting emergency health and social services in the provinces and territories.
- Work collaboratively with the provinces and territories to test ways in which the Canadian health care system can be improved and ensure its sustainability for the future.

8.6.2.8 Public Health Agency of Canada

The Centre for Emergency Preparedness and Response (CEPR) is responsible for:

- Developing and maintaining national emergency response plans for the Public Health Agency of Canada and Health Canada.
- Assessing public health risks during emergencies.
- Contribution to keeping Canada's health and emergency policies in line by collaborating with other federal and international health and security agencies.
- The health authority in the Government of Canada on bioterrorism, emergency health services and emergency response.
- Strengthen intergovernmental collaboration on public health and facilitate national approaches to public health policy and planning.
- Manages emergency preparedness and emergency response plans and keeps them up to date.
- Develops and runs exercises to train emergency workers.
- Develops and delivers training courses that teach health workers how to respond to emergencies.
- In an emergency situation, the Office of Emergency Response Services (OERS) is responsible for supporting emergency health and social services in the provinces, territories or abroad. It manages the National Emergency Stockpile System (NESS), which includes medical, pharmaceutical and related emergency supplies. The Office is responsible for the federal response to emergencies that have health repercussions; this includes the deployment of health emergency response teams (HERT).
- If a public health emergency grows beyond one province and/or territory, the Public Health Agency of Canada usually gets involved.
- Work with Health Canada to test ways in which the Canadian health care system can be improved and ensure its sustainability for the future.

8.6.2.9 Indigenous Services Canada, Regional Operations and First Nations and Inuit Health Branch

Since the Government of Canada's renewed commitment to a stronger relationship with Indigenous peoples in Canada, measures were initiated to affect a shift in the way the Government delivers services to Indigenous peoples. This included the creation of two new departments, which was announced on December 4, 2017. The two newly created departments, Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) and Indigenous Services Canada (ISC), are intended to improve the delivery of services while accelerating movement towards self-government and self-determination of Indigenous peoples.

As part of the departmental transition, both the former Regional Operations (RO) part of Indigenous and Northern Affairs Canada (INAC) and all of First Nations and Inuit Health Branch (FNIHB) of Health Canada have been absorbed into the newly created Indigenous Services Canada (ISC). RO and FNIHB work closely and collaborate towards the provision of emergency preparedness and response activities to First Nations communities in Canada.

In regard to First Nations emergency management, the role of RO is to liaise, communicate, cooperate, coordinate and collaborate with First Nations and public, private, and non-government sector partners in support of on reserve emergency management service delivery. In Alberta Region, ISC-RO holds a comprehensive 10-year service agreement with Alberta Emergency Management Agency, through which First Nations in Alberta are supported in the four pillars of emergency management.

FNIHB carries out the public health preparedness and response activities related to natural and man-made disasters. This includes Communicable Disease Control and Environmental Public Health Services. In addition, FNIHB administers Non-Insured Health Benefits to First Nations clients, which includes extended coverage for medical transportation, pharma-care, medical devices and mental health supports. During an emergency, FNIHB works with First Nations leadership and health service providers to ensure health needs of First Nations communities are met.

Provincial specific FNIHB roles & responsibilities will be found in this section of the ERP, if applicable or as appropriate.

8.6.2.10 Indian Oil & Gas Canada (IOGC)

IOGC is an organization committed to managing and regulating oil and gas resources on First Nation reserve lands. It is a special operating agency within Indigenous Services Canada.

IOGC is responsible for oil and gas on First Nation reserve lands across Canada, but only a handful of reserves exist north of the 60th parallel. Therefore, practically all of IOGCs work is south of the 60th parallel, with most of that in the Western Canada Sedimentary Basin.

IOGC's general responsibilities are to:

- identify and evaluate oil and gas resource potential on Indian reserve lands;
- encourage companies to explore for, drill and produce these resources through leasing activity;
- ensure equitable production, fair prices and proper collection of royalties on behalf of First Nations; and
- secure compliance with and administer the regulatory framework in a fair manner.

IOGC operates pursuant to the *Indian Oil and Gas Act* and *Indian Oil and Gas Regulations, 1995*, as well as other relevant legislation and guidelines (see Acts and Regulations). Oil and gas activity on First Nation reserve lands depends on agreements involving First Nation band councils, oil and gas companies, and Indian Oil and Gas Canada.

Additional information is available at: <http://www.pgic-iogc.gc.ca/eng/1100110010458/1100110010464>

Acts and Regulations: <https://www.pgic-iogc.gc.ca/eng/1100110010437/1100110010438>

8.6.2.11 Transport Canada

Canadian Transport Emergency Centre (CANUTEC)

- Regulate the handling, offering for transport and the transport of dangerous goods by all modes in order to ensure public safety.
- Maintain a 24 hour emergency telephone service.
- Federal regulations require that CANUTEC be contacted in the event of an incident or accident involving dangerous goods and infectious substances.
- Maintains records of over 3 million Safety Data Sheets (SDS).
- Assist emergency response personnel in handling dangerous good emergencies including advice on
 - Chemical, physical and toxicological properties and incompatibilities of the dangerous goods
 - Health hazards and first aid
 - Fire, explosion, spill or leak hazards
 - Remedial actions for the protection of life, property and the environment
 - Evacuation distances
 - Personal protective clothing and decontamination
- CANUTEC staff does not go to the site of an incident, however, should on-site assistance be required, CANUTEC can assist in the activation or industry emergency response plans.
- Provide communication links with the appropriate industry, government or medical specialists.
- Maintain voice communication and written information records for two years for the protection of all parties.

Aviation Operations Centre (AVOPS)

- To close air space beyond an airport (e.g. above a sour gas release), AVOPS can be contacted by the licensee.
- Rescind the NOTAM and re-open air space that was closed due to emergency.

8.6.2.12 Public Safety Canada

- Public Safety Canada works with provincial and territorial officials to ensure first responders and emergency management personnel are well-prepared through education, support and exercises.
- Responsible for promoting and coordinating the preparation of departmental emergency management plans as well as coordinating the government's response to an emergency through the Government Operations Centre (GOC).
- Public Safety Canada houses the Government Operations Centre at the hub of the national emergency management system. It's an advanced centre for monitoring and coordinating the federal response to an emergency.
- In the event of a large-scale natural disaster where response and recovery costs exceed what individual provinces and territories could reasonably be expected to bear on their own, PS provides financial assistance to the provincial and territorial governments through the Disaster Financial Assistance Arrangements (DFAA).
- Assistance is paid to the province or territory – not directly to individuals or communities. The provincial or territorial governments design, develop and deliver disaster financial assistance, determining the amounts and types of assistance that will be provided to those who have experienced losses.

8.6.2.13 Royal Canadian Mounted Police (RCMP)

- RCMP or local police would also become involved if there are fatalities, as they are required to participate in the investigations. This could be through the medical examiner.
- Maintain law and order and assist the operator with local security but would require discussion with the local police at the time.
- The Office of the Fire Commissioner (OFC) has a working relationship with the RCMP and the RCMP may conduct selected duties of the Fire Commissioner where the fire's impact is not significant.
- Assist with traffic control, crowd control, evacuation, and residence security.
- Typically would not be involved in setting up or maintaining roadblocks unless the emergencies impacted or required the closure of 1, 2 and 3 digit Provincial or Secondary highways.
- Establish and maintain communications with industrial operator.
- Dispatch a representative to the off-site Regional Emergency Operations Centre, when established, to coordinate the response.
- Coordinate with the industrial operator both the establishment and the administration of reception centres for evacuees.
- Maintain a 24 hour emergency contact number where resources can be accessed for a response related to Emergency Response Plans.

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8.7 Mutual Aid

8.7.1 Emergency Response Assistance Canada (ERAC)

Emergency Response Assistance Canada (ERAC) is an organization that provides a Transport Canada approved Emergency Response Assistance Plans (ERAP) to its members. PMC has an active membership.

In the event of a road, rail or stationary vessel incident (\geq 450 litres) emergency involving Liquefied Petroleum Gas (LPG), PMC, as required, can call Emergency Response Assistance Canada (ERAC) for advice and support of an LPG-related emergency. Documentation with any shipment will contain a Transport Canada Permit Number and contact numbers for Emergency Response Assistance Canada (ERAC) emergency activation. The table below outlines PMC Emergency Response Assistance Plans (ERAP):

ERAP Number	Type of Transport	Emergency Number	Product covered under ERAP
ERAC Emergency Response (LPG ERAP)			
			<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
ERAC Emergency Response (Flammable Liquids ERAP)			
			<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
			<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>

8.7.2 CANUTEC/CHEMTREC

CANUTEC is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. The Directorate’s overall mandate is to promote public safety in the transportation of dangerous goods by all modes. Contact CANUTEC in the event of an emergency involving dangerous goods.

CHEMTREC allows shippers of hazardous materials to comply with government hazardous materials regulations and provide immediate critical response information for emergency incidents involving chemicals, hazardous materials and dangerous goods.

Additionally, a guide was developed to aid first responders in responding to a dangerous goods incident. Refer to 4.5: *Transportation of Dangerous Goods* and the ‘*Emergency Response Guidebook (ERG) – 2020 (ERG2016)*’.

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Note: This Overview Section contains PPTC Pipeline general information (common to the entire system). Nine (9) site-specific ERP sections have been developed for the PPTC Pipeline separated by kilometer posts, each site section will contain detailed information based upon the geographical location. Refer to Section 9.2 General Area Information for the PPTC Pipeline Sections (based on kms) to determine the to and from location. The PPTC Pipeline site-specific sections are organized from West to East and are located behind their own white tab.

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SECTION 9: Overview

9.1 Regulatory Description

The PPTC pipeline is regulated by the Canada Energy Regulator (CER) as the pipeline crosses the Alberta/Saskatchewan/Manitoba Border. The PPTC ERP has been created to meet the *Onshore Pipeline Regulations (SOR/99-294 – Last Amended March 16, 2020)*.

As there are storage tanks containing substances in excess of threshold limits listed in Schedule 1 of the *Canadian Environmental Protection Act, 1999*, Environmental Emergency (E2) plans have been developed for key facilities and are included in the PPTC ERP to meet *Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51*.

The PMC PPTC Site-Specific Sections are to be used in conjunction with the PMC Core Emergency Response Plan.

Regulatory agency ERP/E2 Registration References:

- Environment and Climate Change Canada (ECCC):
 - E2 ID #: 2561 (Dewdney Terminal)
 - E2 ID #: 2631 (Richardson Terminal)
 - E2 ID #: 2624 (Rapid City Pump Station)
 - E2 ID #: 2608 (Winnipeg Fort Whyte Terminal)

Facility Information can be found in the following Site-Specific Sections:

- PMC Empress 6 Plant – 10-11-20-01 W4M (Pipeline Section 1)
NOTE: Refer to the PMC Empress 6 Plant Emergency Response Plan for detailed on-site storage information and E2 Plan (E2 ID: 2971).
- PMC Stewart Valley Truck Terminal – 01-25-18-14 W3M (Pipeline Section 2).
NOTE: The Stewart valley Truck Terminal is currently not an E2 registered site; an 800m E2 EPZ has been indicated for Emergency Management purposes.
- PMC Moose Jaw Truck Terminal – 13-28-17-26 W2M (Pipeline Section 4).
NOTE: The Moose Jaw Truck Terminal is currently not an E2 registered site; an 800m E2 EPZ has been indicated for Emergency Management purposes.
- PMC Dewdney Terminal – 07-29-17-20 W2M (Pipeline Section 4)
- PMC Richardson Terminal – 07-22-16-18 W2M (Transition point between Pipeline Sections 4 and 5 – Facility information / E2 Plan located in Pipeline Section 5)
- PMC Rapid City Pump Station – 12-6-13-18 W1M (Transition point between Pipeline Sections 7 and 8 - Facility information / E2 Plan located in Pipeline Section 8)
- PMC Winnipeg Fort Whyte Terminal – 01-27-9-02 W1M (Pipeline Section 9)

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9.2 General Area Information

9.2.1 Area Overview

The PPTC pipeline leaves the PMC Empress 6 Plant and travels east from Alberta, through Saskatchewan, and ends at the Fort Whyte Terminal in Winnipeg, MB. The pipeline is 933 kilometres long and for the majority of its path runs parallel to a TC Energy (TCPL) pipeline. All road crossings are clearly marked with warning signs that clearly displays emergency contact information.

This Area Specific Section contains the following:

- PPTC Pipeline general information (common to the entire system).
- Nine specific pipeline sections broken out by kilometer posts (detailed information based upon the geographical location).

Pipeline Section	From	To
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

9.3 Alarms and Communications

9.3.1 Warning Systems

[Redacted text block containing multiple paragraphs of information under section 9.3.1]

9.3.2 Communications Infrastructure

This section is not applicable to the PPTC Pipeline ERP.

9.3.3 Muster Points

Terminal and Keystop Muster Points are identified on site and discussed during orientations.

9.3.4 Emergency Shut Down (ESD) System

[Redacted text block containing information under section 9.3.4]

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9.4 Common Telephone Directory

9.4.1 PMC 24-Hour Emergency Line

PMC Corporate 24-hour Emergency Number (Operational Control Centre)	[REDACTED]
PMC Empress 6 Plant Local 24-hour Emergency Number (Pipeline Section 1)	[REDACTED]

9.4.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.4.3 Local Responders

All Local Responders listed below can respond in the key roles within the Incident Command System (ICS). Response position would depend on the complexity and location of the incident.

Name	Title	Business	Cellular
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Note: Additional responders may be mobilized by using the PMC local area contact list and the Incident Command System (ICS) being part of the Core training requirement at PMC.

9.5 External Support Organizations

9.5.1 Spill Co-op Information

Western Canadian Spill Services (WCSS)			
Response Equipment Custodian	Equipment Location	24-Hour	Cellular
COOP 2			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED] [REDACTED] [REDACTED]	[REDACTED]	[REDACTED] [REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED] [REDACTED] [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED] [REDACTED] [REDACTED]
[REDACTED] [REDACTED]	[REDACTED] [REDACTED] [REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED] [REDACTED] [REDACTED] [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

SASKATCHEWAN

Saskatchewan Area Oil Spill Contingency Group			
Oil Spill Co-op Chairperson (Equipment Custodian)	Location	24-Hour	Cellular
Area 3			
[REDACTED]			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Area 4 & 5			
Area 4 (Weyburn) and Area 5 (Estevan) Environmental Response Units			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Area 6			
Area 6 Emergency Response Co-Operative			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
<p>Area 6 Emergency Response Co-Operative – Company with emergency or “First Company” to receive a call or have a pipeline emergency, shall contact the Area 6 Emergency Call-Out and announce the following summary message: “(Your company) is calling on behalf of the Area 6 Emergency Response Co-Operative. There is a pipeline emergency at the following (location). The company involved is (state name if known) or (state unknown). Please activate the Area 6 Emergency Co-Operative Call-Out Procedure.” State if caller is requesting assistance, manpower and equipment, or if it is for notification purposes only.</p>			

MANITOBA

Manitoba Producers Oil Spill Cooperative			
Oil Spill Co-op Chairperson (Board Member)	Location	24-Hour	Cellular
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment



L:\Shared\GIS\Tier3_Group\Engineering_Tech_SwissUser\PC\Cheng\MapFiles\20200311_SpillResponseEquipment_Map_Update\SpillResponseEquipment_LocationOverview_20200630.mxd -- Printed on 7/4/2022

 <p>DISCLAIMER: Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.</p>	<p>Legend</p> <ul style="list-style-type: none"> ▲ PMC Spill Response Equipment Location Active PMC Pipelines By Product — HVP-NGL — LVP - - - Inactive PMC Pipeline 	<p>PMC Spill Response Equipment Locations June 2022</p>																
																		
<p>Plains Midstream Canada 1100 - 607 - 80 Ave SW Calgary AB T2P 0A7 +1 (403) 298-2100</p>		<p>Coordinate System: NAD 1983 UTM Zone 12N</p>																
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CREATE	TBD	TBD																
MODIFY	cmendes	04 Jul 2022																
CHECK	TBC	TBD																
APPROVE	TBC	TBD																

9.5.2 Mutual Aid

ALBERTA

Note: PMC has informal mutual aid agreements (best-efforts-basis) with the following companies. The intent of the Empress Mutual Aid Program is an informal agreement to primarily provide equipment and roadblocks, not necessarily personnel.

Company	Emergency Number	Office
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for additional information regarding the following organizations.

Organization	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

SASKATCHEWAN

Company	Emergency Number	Office
Alliance Pipeline	1-800-884-8811	306-775-3030
Enbridge	306-834-8037 (Control)	306-834-2665
Inter Pipeline Fund	1-800-727-7163	306-463-1010
Pembina Cochin Pipeline	1-800-360-4706	306-949-0555

MANITOBA

Company	Emergency Number	Office
<i>Note: PMC has no formal mutual aid agreements within Manitoba.</i>		

9.5.3 Utilities

ALBERTA

Utility	Location	Telephone Number
AltaLink	Calgary, AB	1-866-667-3400
ATCO Electric	Alberta-wide	1-800-668-5506
Enmax	Alberta-wide	403-514-6100
TELUS	Alberta-wide	1-888-530-7755

SASKATCHEWAN

Utility	Location	Telephone Number
Sasktel	Saskatchewan-wide	1-800-236-6408
SaskEnergy Inc.	Saskatchewan-wide	1-888-700-0427
SaskPower	Saskatchewan-wide	306-310-2220

MANITOBA

Utility	Location	Telephone Number
Manitoba Hydro (Electric Energy and Natural Gas)	Manitoba-wide	1-888-624-9376
Bell (MTS)	Manitoba-wide	1-800-883-2054

9.5.4 Other Organizations

ALBERTA, SASKATCHEWAN & MANITOBA

Organization	Location	Telephone Number
CHEMTREC <i>Note: PMC also has a contract in place with CHEMTREC, a 24/7/365 emergency call center that provides immediate information and assistance in the event of a chemical or hazardous material incident related to the transportation of dangerous goods.</i>		1-800-424-9300
ALBERTA ONLY		
Organization	Location	Telephone Number
Poison and Drug Information Service	Alberta-wide	1-800-332-1414
Utility Safety Partners (Click Before You Dig)	Alberta-wide	1-800-242-3447

SASKATCHEWAN ONLY		
Organization	Location	Telephone Number
Poison Control Centre	Saskatchewan-wide	1-866-454-1212
Sask 1st Call	Saskatchewan-wide	1-866-828-4888
MANITOBA ONLY		
Organization	Location	Telephone Number
Poison Control Centre	Manitoba-wide	1-855-776-4766
Manitoba One Call	Manitoba-wide	204-777-6590 1-800-940-3447

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9.6 Support Services

Company	Location	Telephone Number
Mobile Air Monitoring Services		
Firemaster Oilfield Services	Red Deer, AB	403-342-7500
Safety Boss	Edmonton, AB	1-800-882-4967
Total Safety Inc.	Sherwood Park, AB	1-888-328-6825
Trojan Safety Services	Grande Prairie, AB	877-785-9558
Diversified Oilfield Services	Virden, MB	204-851-1092
Aviation Support		
Canadian Helicopters Ltd., A HNZ Company	Edmonton, AB	780-429-6900
Blue Sky Air Ltd.	Estevan, SK	306-634-9333
Brandon Flight Center	Brandon, MB	204-728-7691
Integrated Sensing and Surveillance Inc.	Springbrook, AB	403-755-4959
Rise Air	Saskatoon, SK	1-866-636-9121
Construction Companies		
Apex Distribution Inc.	Regina, SK	306-721-0762
	Virdin, MB	204-748-1170
	Brandon, MB	204-726-1428
DTD Oilfield Services Ltd.	Swift Current, SK	306-773-4944
Gee Bee Construction Ltd.	Kipling, SK	306-736-2332
Jerry Mainil Ltd.	Weyburn, SK	306-842-5412
McColl's Skid Steer Service Ltd.	Elkhorn, MB	204-748-7168
Midwest Surveys Inc.	Estevan, SK	1-866-634-2635 (toll free) 306-634-2635 (alternate)
	Regina, SK	306-525-8706
Forsyth Hauling	Virden, MB	204-748-6687
Spartan Controls	Midale, SK	306-458-2223
TS & M Oilfield Supply	Regina, SK	306-721-2260
	Moosomin, SK	306-435-2969
	Melita, MB	204-522-3238
Wilf's Oilfield Service (87) Ltd.	Swift Current, SK	306-741-1700
Electrical Service Companies		
Jebb RT Electric Ltd.	Elkhorn, MB	204-845-2315
Estevan Meter Services	Estevan, SK	306-634-5304
PTW Energy Services	Estevan, SK	306-634-5617
	Kindersley, SK	306-463-6462

Environmental Service and Spill Response		
Clean Harbors Canada Inc.	Edmonton, AB	1-800-645-8265 780-451-6969
Golder Associates	Windsor, ON	519-250-3733
Nichols Environmental	Central Dispatch	1-877-888-6325
	Edmonton, AB	780-484-3377
	Calgary, AB	403-452-1820
North Shore Environmental Consultants	Sherwood Park, AB	1-855-700-6732
Pollutech Enviroquatics Limited	Sarnia, ON	519-339-8787
SECURE Energy Services	24-Hour Emergency	1-877-518-4321
Stantec Consulting Ltd. <i>Note: Contact the following in this order:</i> Sherri Gilmour Shana Dumont Didier Lapointe Rhys Barlow	Canada-wide	780-231-2309 587-336-2957 416-988-0840 403-471-8474
SWAT Consulting	Central Dispatch	1-866-610-7928
US Ecology (formerly Environmental Services Inc.)	Tilbury, ON	1-888-682-2900
Waste Management of Canada	Waterloo, ON	1-800-665-1898 519-542-8442
Western Canadian Spill Services (WCSS)	Central Dispatch	1-866-541-8888
Firefighting (Oilfield)		
Firemaster Oilfield Services Inc.	Central Dispatch	1-877-342-3473
HSE Integrated Ltd.	Weyburn, SK	1-888-346-8260
Trojan Safety Services	Weyburn, SK	877-785-9558
Safety Boss Inc.	Central Dispatch	1-800-882-4967
Hotels/Motels		
Burstall Motel	401 Martin Street Burstall, SK	306-679-2226
Holiday Inn Express & Suites	TransCanada Highway 1 9 Strachan Bay S Medicine Hat, AB	403-504-5151
HomeStay Inn & Suites	954 – 7 Street SW Medicine Hat, AB	403-487-0250
Days Inn – Swift Current	105 George Street West Swift Current, SK	306-773-4660
Heritage Inn Hotel & Convention Centre	1590 Main Street North Moose Jaw, SK	306-693-7550
Days Inn – Moose Jaw	1720 Main Street North Moose Jaw, SK	306-691-5777
Holiday Inn Express & Suites Regina-South	4255 Albert Street South Regina, SK	306-789-5888
Super 8 Regina	2730 Victoria Avenue E Regina, SK	306-988-4982

Canalta Inn	405 Mountain Street Moosomin, SK	306-435-3034
Super 8 - Portage la Prairie	2668 Saskatchewan Avenue West Portage la Prairie, MB	204-857-8883
Days Inn – Portage la Prairie	Hwy 1 and Yellowquill Trail Portage la Prairie, MB	204-857-9791
Holiday Inn – Winnipeg Airport West	2520 Portage Avenue Winnipeg, MB	204-885-4478
Howard Johnson Express Inn - Winnipeg West	3740 Portage Avenue Winnipeg, MB	204-272-4169
Trucking Companies		
Badger Daylighting Ltd.	Central Dispatch	1-800-465-4273
Crushrite Concrete	Moosomin, SK	306-435-3860
Day Break Transport Ltd.	Medicine Hat, AB	403-527-1371
Jerry Mainil Ltd.	Weyburn, SK	306-842-5412
L B Taylor Trucking Ltd.	Moosomin, SK	306-435-6862 306-435-7393
L & C Trucking	Estevan, SK	306-634-7341
Forsyth Hauling	Virden, MB	204-748-6687
Spearing Service Ltd.	Oxbow, SK	306-483-2848
Vertex	Alida, SK	306-443-2424
Pumping Companies		
Doug’s Vacuum Truck Service Ltd.	Brooks, AB	403-362-6939
Badger Daylighting (Hydro-Vac)	Central Dispatch	1-800-465-4273
Forsyth Hauling	Virden, MB	204-748-6687
Premier Oilfield Services Ltd.	Virden, MB	204-851-4995
Spearing Service Ltd.	Oxbow, SK	306-483-2848
	Pipestone, MB	204-854-2231
Safety Services		
Firemaster Oilfield Services Inc.	Central Dispatch	1-877-342-3473
HSE Integrated Ltd.	Central Dispatch	1-888-346-8260
Safety Boss Inc.	Central Dispatch	1-800-882-4967
Trojan Safety Services Ltd.	Central Dispatch	877-785-9558

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9.7 Technical Data

Refer to the Area Specific Sections for Pipeline System information and respective Block Valves, Facilities and E2 tables.

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9.8 Public Information Handout (PIH)

Potential Health Effects from High Vapor Pressure (HVP) Products Exposure	
SKIN	Irritation of skin may occur and progress to dermatitis.
EYES	Irritation of eyes may occur.
BREATHING	Breathing mists or vapours may cause accumulation in the lungs and/or central nervous system depression, dizziness, headaches, giddiness, drowsiness, fatigue, nausea, unconsciousness or death.
SWALLOWING	Swallowing mists or vapours may cause accumulation in the lungs and/or central nervous system depression, dizziness, headaches, giddiness, drowsiness, fatigue, nausea, unconsciousness or death.
LONG-TERM HAZARDS	Defatting and drying of skin may occur and cause dermatitis. Repeated exposure to high vapour concentrations may cause eye and respiratory irritation, giddiness, staggered gait, nausea, abdominal pain, loss of appetite, liver damage, kidney damage, and damage to the bone marrow including cancer.

Response Consideration

Environment, Health & Safety

Plains adheres to the highest environmental and safety standards throughout our organization. We provide a workplace that protects the health and safety of our employees, contractors and the communities surrounding our facilities.

Plains' operations are subject to stringent federal, provincial and local laws and regulations governing the discharge of materials into the environment or otherwise related to protecting the environment.

Our Environment, Health and Safety Management Programs are at the core of our operations. These programs include management commitment and leadership, employee training and awareness, inspections and audits, performance and achievement recognition, emergency preparedness and response, communications and continuous improvement.

Notification

If you are contacted by Plains Midstream Canada to advise you of an emergency situation, the caller will:

- Identify themselves by name.
- Announce that they are a Plains Midstream Canada representative.
- Describe the problem and what is being done.
- Give you instructions to protect your safety (shelter / evacuation).
- Verify the information you have provided.
- Address any concerns which you may have.
- Provide a telephone number which you can call to get additional information.

Emergency Contacts

If you suspect a problem at a Plains facility in your area, please call Plains Midstream Canada's 24-hour Emergency Response number:

1-866-875-2554

In the event of an emergency, Plains will be working with the Transportation Safety Board (TSB), Canada Energy Regulator (CER), and local authorities.

Transportation Safety Board of Canada (TSB)

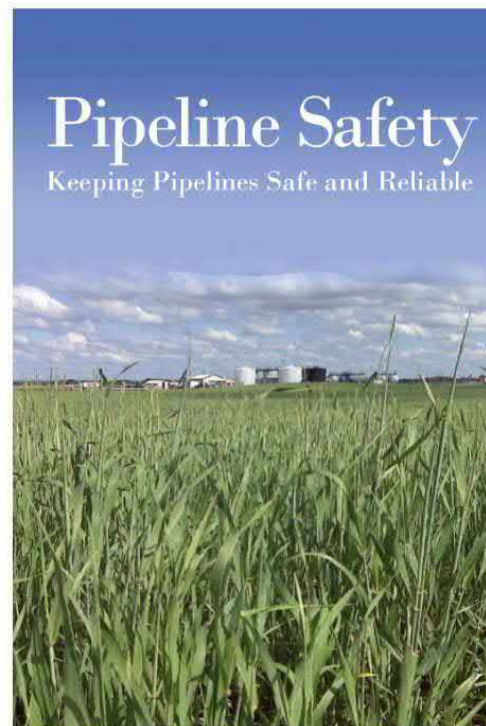
24 Hour Pipeline Emergencies Only 819-997-7887

Canada Energy Regulator (CER)

First call should be to the TSB (see above)

24 Hour Non-Pipeline Emergencies 403-299-2773

AMBULANCE/POLICE/FIRE 9-1-1



Public Awareness Information for landowners and area residents related to Plains Midstream Canada's PPTC Pipeline and associated Facilities.

- Emergency notification
- Public protection measures
- Pipeline safety: Call or Click Before You Dig

APRIL 2022

Our Operations in your Area

Plains Midstream Canada ULC (Plains) is the operator of the PPTC pipeline system. The PPTC pipelines are licensed as High Vapour Pressure (HVP) and forms part of Plains Midstream Canada's pipeline network. The Emergency Planning Zone (EPZ) is .5 km for the PPTC pipeline system. As there are storage tanks containing substances in excess of threshold limits listed in Schedule 1 of the Canadian Environmental Protection Act (CEPA), Environmental Emergency (E2) plans have been developed for key facilities associated with the PPTC pipelines to meet Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51. Included below are the calculated Emergency Planning Zones (EPZs) , including the substances stored at each regulated facility. Refer to the map on the back of this brochure for more details.

PMC Dewdney Terminal 07-29-17-20 W2M
E2 Regulated Substances: Propane and Butane
Emergency Planning Zone: 208 m

PMC Winnipeg Fort Whyte Terminal 01-27-9-02 W1M
E2 Regulated Substances: Ethyl Mercaptan and Propane
Emergency Planning Zone: 200 m

PMC Rapid City Station 12-6-13-18 W1M
E2 Regulated Substances: Propane
Emergency Planning Zone: 200 m

PMC Richardson Terminal 07-22-16-18 W2M
E2 Regulated Substances: Propane
Emergency Planning Zone: 147 m

High Vapour Pressure (HVP) Products

HVP products include propane, butane, pentane, and Natural Gas Liquids (NGLs). At atmospheric pressure, HVP products are gases. Under pressure, HVP products exist in a liquid state. In humid air, a leak of an HVP product may form a visible white cloud of cold vapour considerably heavier than air. Under extreme conditions, pools of super-cooled liquid may briefly form. When HVP products vapourize, they expand (70 to 300 times) and can form a plume, which may drift downwind from the source under moderate wind speed conditions. Under higher wind speed conditions, the vapour would dissipate faster.

Main Hazards:

- Potential explosion hazards from delaying ignition of drifting vapour cloud.
- Fire hazard from burning gas and radiant heat.
- Critical hazard because of oxygen deficiency as expanding gas cloud or plume displaces air at ground level.

If You Suspect a Problem

Please call Plains Midstream Canada's 24-hour emergency number if you suspect a problem (1-866-875-2554).

While the chance of an uncontrolled spill or problem is remote, the Plains Emergency Response Plan (ERP) for this area is in place to ensure your safety. If a leak should occur, emergency crews will take immediate steps to minimize the risk to the public and environment. Additional emergency response personnel will be notified and dispatched to the area to safely manage the emergency.



CLICK OR CALL BEFORE YOU DIG

**UTILITY
SAFETY
PARTNERS**

Utility Safety Partners
(Click Before You Dig)
Call Toll Free: 1-800-242-3447
<https://utilityafety.ca/>

Alberta 1-800-242-3447 | www.utilityafety.ca
Saskatchewan 1-866-828-4888 | www.sask1stcall.com
Manitoba 1-800-940-3447 | www.callb4udig.mb.ca

Public Protection Measures Evacuation, Shelter & Ignition Procedures

Evacuation Procedures

If it is necessary to evacuate, you will be contacted by telephone immediately. If there is no answer to our calls, we will proceed to your residence to inform you of the situation. The following steps should be taken if "Evacuation" procedures have been implemented:

- Gather all residents and bring any medicines required.
- Lock all windows and doors.
- Turn down thermostat and shut off any air exchange fans to outside.
- Drive safely on the route provided and proceed directly to the evacuation centre and check in with the representative.
- Wait for further instruction.

Shelter-in-Place Procedures

If you are advised to stay sheltered, do not leave your house or attempt to start any vehicles until a Plains representative advises you that it is safe to do so. The following steps should be taken if "Shelter-In-Place" procedures have been implemented:

- Immediately gather everyone indoors and stay there.
- Tightly close and lock all windows and outside doors, if convenient, tape any gaps around exterior door frames.
- Extinguish indoor wood-burning fires and close flue dampers if possible.
- Turn off appliances or equipment that either blows out or uses indoor air, such as:
 - furnaces
 - kitchen fans
 - bathroom fans
 - built-in vacuum systems
 - clothes dryers
 - gas fireplaces
 - gas stoves
 - air conditioning
 - ventilators
- Turn off appliances or equipment that suck in outdoor air, such as
 - Heating, ventilation, and air conditioning (HVAC) systems
 - Fans for heat recovery ventilators or energy recovery ventilators
- Turn down furnace thermostats to the minimum setting, turn off air conditioners
- Leave all inside doors open.
- Wait in an interior room upstairs for further instruction.
- Avoid using the telephone, except for emergencies, so that you can be contacted by Plains emergency response personnel.
- Call Plains if you are experiencing symptoms, smelling odours or have contacted government agencies (so the response can be coordinated).
- Stay tuned to local radio and television for possible information updates.
- Even if you see people outside, do not leave until told to do so.
- If you are unable to follow these instructions, please notify Plains emergency response personnel.

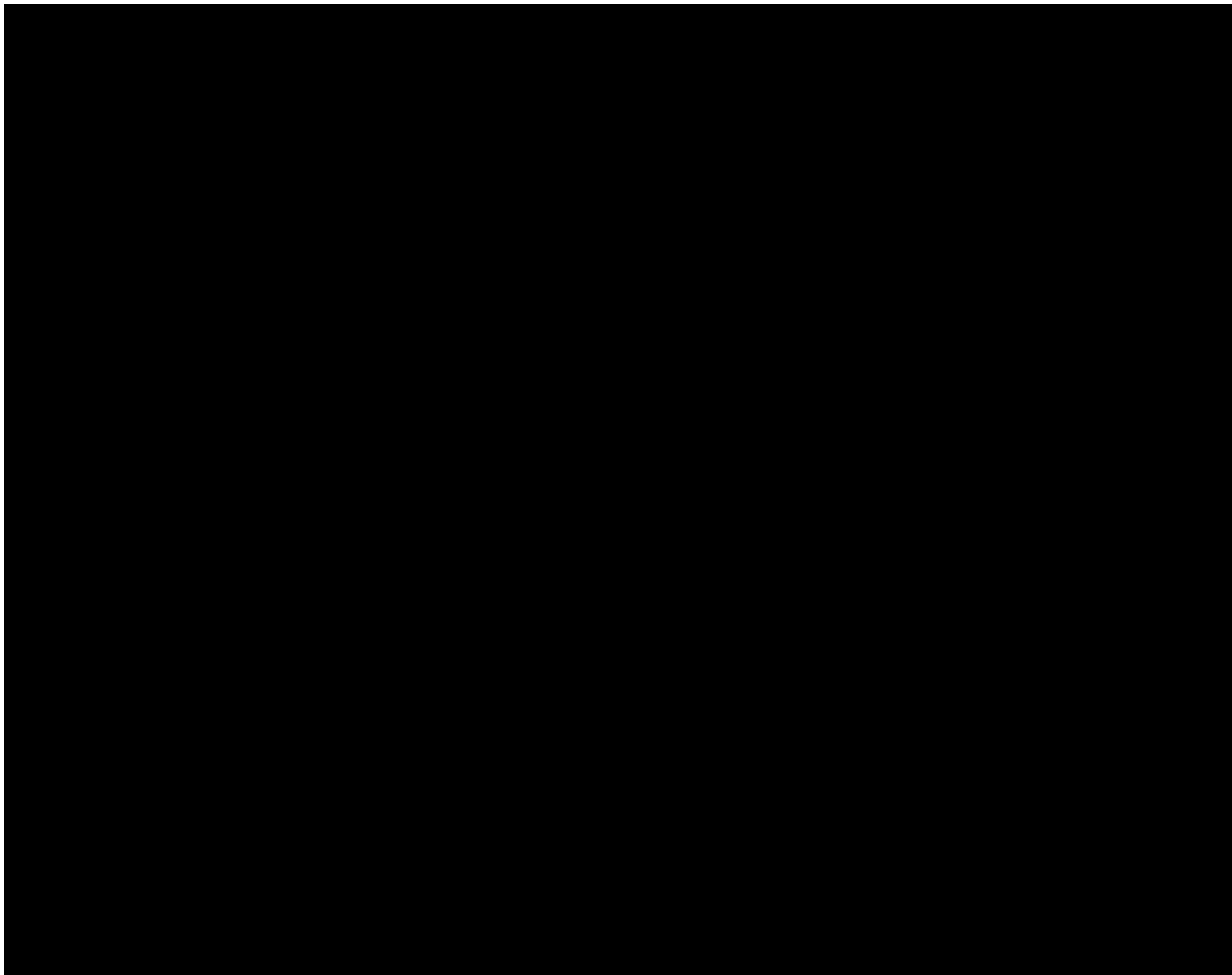
After the hazardous substance has passed through the area you will receive an "all-clear" message from Plains emergency response personnel. You may also receive, if required, instructions to ventilate your building by:

- opening all windows and doors
- turning on fans
- turning up thermostats


During this time the air outside may be fresher and you may choose to leave your building while ventilating. Once the building is completely ventilated, return all equipment to normal settings and operation.

Ignition Procedures

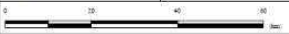
If it is determined that ignition is required, the Incident Commander is fully authorized to ignite the release at the pipeline, facility or terminal. Ignition of the gas source would ensure your safety if evacuation was not practical.



















PPTC PIPELINE SYSTEM OVERVIEW MAP





Draw Date: October 8, 2019 DS	Scale: 1:400,000	Sheet: 0/05
Revision Date: June 10, 2021 GLG	UTM ZONE 12, NAD83	




	Gas Plant		SECTION 1
	Facility		SECTION 2
	Highway		SECTION 3
	Timberland		SECTION 4
	Utility Area		SECTION 5
	E3 Cover		SECTION 6
	EPC		SECTION 7
			SECTION 8
			SECTION 9

AREA OVERVIEW MAP







h2safety.ca

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9.9 Emergency Response Planning Map

For information on the PMC PPTC Area Overview Map please see the Emergency Management SharePoint Site:

- Emergency Response Plan
 - Alberta Energy Regulator (AER)
 - Canada Energy Regulator (CER)

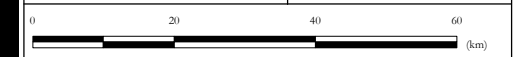
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PPTC PIPELINE SYSTEM OVERVIEW MAP



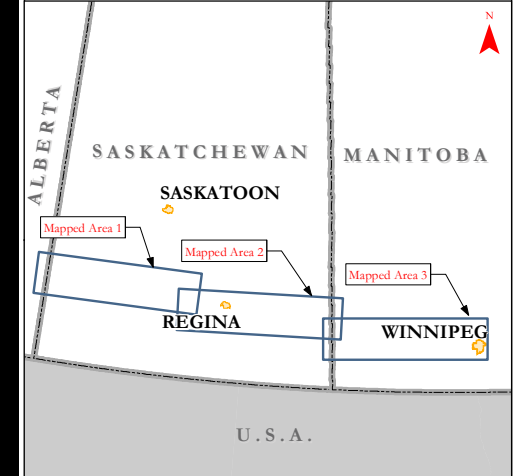
Draft Date: October 8, 2019 DS Scale 1:490,000 Map: 8785

Revision Date: June 10, 2021 GLG UTM ZONE 12 NAD83



	Gas Plant		SECTION 1
	Facility		SECTION 2
	Highway		SECTION 3
	Waterbody		SECTION 4
	Urban Area		SECTION 5
	E2 Zone		SECTION 6
	EPZ		SECTION 7
			SECTION 8
			SECTION 9

AREA OVERVIEW MAP



9.9.2 Plot Plans

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

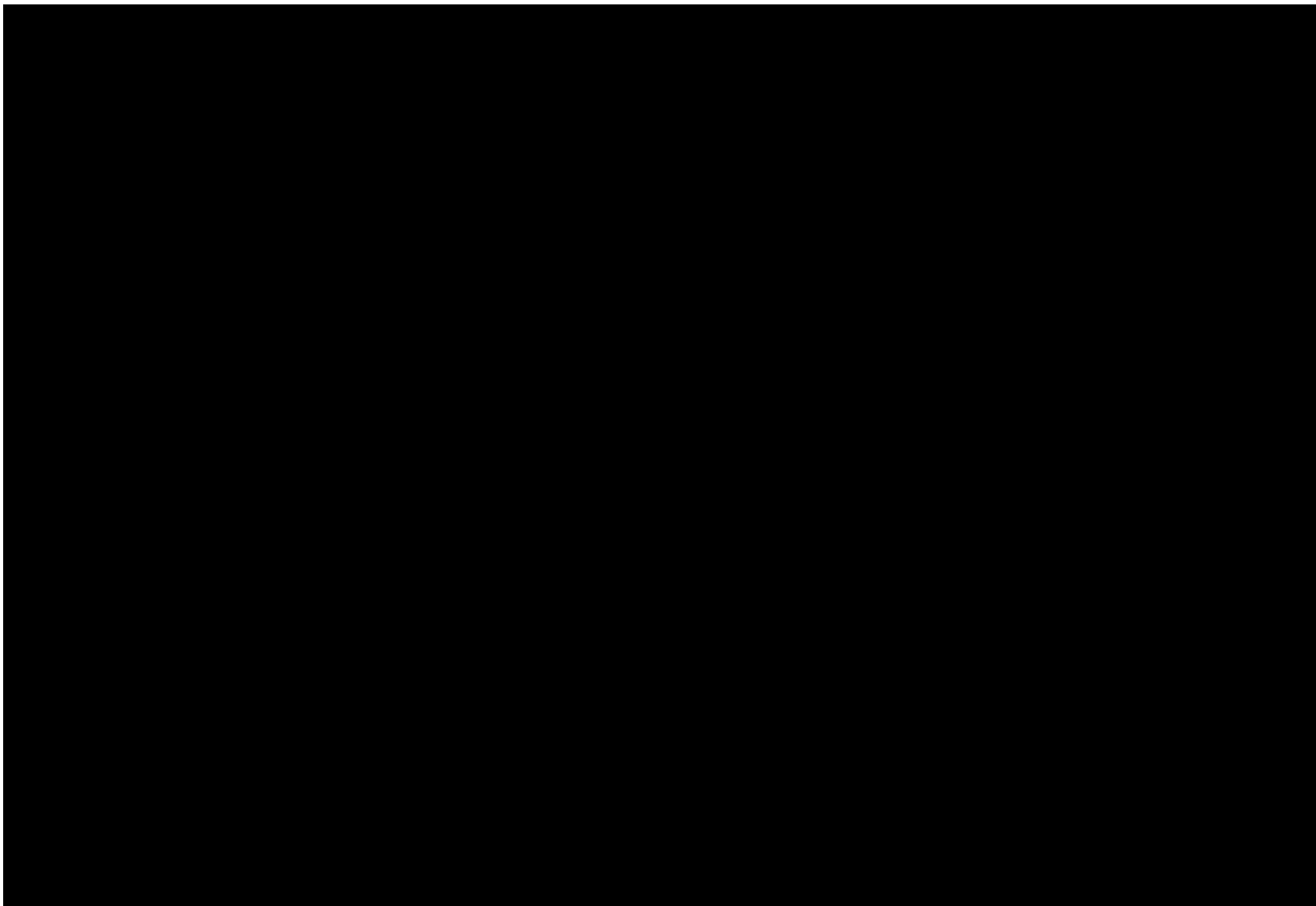
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9.10 Local Public Information

Refer to the Area Specific Sections for local public information.

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SECTION 9: Pipeline Section 1 (From 0.0 km to 94.3 km)

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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.



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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

Note: Refer to the PMC Empress 6 Plant Emergency Response Plan for detailed on-site storage information and E2 Plan (E2 ID: 2971).

9.1.1 Driving Directions

Pipeline Section 1	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
PMC Empress 6 Plant Local 24-Hour Emergency Number	[REDACTED]

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Leader Community Hall	402 First Ave West	[REDACTED]	[REDACTED]	[REDACTED]
Burstall and District Community Centre	957 Railway Ave	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Alberta are managed by the provincial government under Alberta Health Services (AHS).</i>		
Volunteer Fire Departments	Provincial	911
Burstall First Responders	Burstall, SK	306-679-2062
Leader Fire Department	Leader, SK	306-628-3868
Sceptre Fire Department	Sceptre, SK	306-741-7913
Abbey Fire Department	Abbey, SK	306-774-5267
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Redcliff RCMP	Redcliff, AB	403-548-2288
Leader RCMP	Leader, SK	306-628-4600
Swift Current RCMP	Swift Current, SK	306-778-4870
Hospitals	Provincial	911
Leader Hospital	Leader, SK	306-628-5500

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: *If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>*

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line Note: First lead agency call to be made	Ottawa, ON	1-819-997-7887
24-Hour CER Incident Cellular Telephone Note: If unable to reach the TSB Hot Line, call this contact	Calgary, AB	403-299-2773

ALBERTA

Note: *If an emergency occurs in Alberta at this CER-regulated operation, PMC will initiate a courtesy notification to the Alberta Energy Regulator (AER) and also notify the other Alberta lead agency listed below.*

Agency	Location	Telephone Number
Alberta Energy Regulator (AER)		
Energy and Environmental 24-Hour Emergency Response Line ¹	Alberta-wide	1-800-222-6514
Medicine Hat Field Centre Office (Daytime only)	Medicine Hat, AB	403-527-3385
Alberta Emergency Management Agency (AEMA)		
24-Hour Emergency	Alberta-wide	1-866-618-2362
Southern Region Garry Dzioba, Field Officer	Blairmore, AB	403-562-3374 587-594-4211 (c)

¹ The Energy and Environmental Response Line is used by both the AER and Alberta Environment and Parks for all energy development and environmental complaints in Alberta. When receiving a call, they will notify the appropriate agency, and if the situation warrants, they will dispatch emergency responders. This line is monitored 24/7.

SASKATCHEWAN

Note: If an emergency occurs in Saskatchewan at this CER-regulated operation, PMC will initiate a courtesy notification to the Saskatchewan Ministry of Energy and Resources (ER) and also notify the Saskatchewan Public Safety Agency (SPSA), the Saskatchewan Ministry of Environment, Spill Report Line and the impacted Rural Municipality.

Agency	Location	Telephone Number
Saskatchewan Ministry of Energy and Resources (ER)		
Swift Current Field Office 24-Hour Emergency	Swift Current, SK	844-764-3637
Saskatchewan Public Safety Agency (SPSA)		
24-Hour Emergency	Regina, SK	306-787-9563
Saskatchewan Ministry of Environment, Spill Control Line		
24-Hour Emergency	Toll-Free	1-800-667-7525

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

ALBERTA

Agency	Location	Telephone Number
Cypress County 24-Hour Emergency	Dunmore, AB	403-526-2888

SASKATCHEWAN

Agency	Location	Telephone Number
Rural Municipality of Clinworth No. 230 Office (Daytime only)	Sceptre, SK	306-623-4229
Rural Municipality of Deer Forks No. 232 Office (Daytime only)	Burstall, SK	306-679-2000
Rural Municipality of Happyland No. 231 Office (Daytime only)	Leader, SK	306-628-3800
Rural Municipality of Miry Creek No. 229 Office (Daytime only)	Abbey, SK	306-689-2281

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC²		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832) 613-996-6666 *666
If using cellular		*666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ³
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Alberta Energy Regulator (AER), Saskatchewan Ministry of Energy and Resources (ER), Alberta Environment, Saskatchewan Ministry of Environment and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Energy and Environmental 24-Hour Emergency Response Line	Alberta-wide	1-800-222-6514
Meteorological Services	Alberta-wide	780-951-8907

² **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

³ One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

Agency	Location	Telephone Number
Saskatchewan Ministry of Environment, Spill Report Line	Saskatchewan-wide	1-800-667-7525

ALBERTA

Agency	Location	Telephone Number
Alberta Ministry of Labour, Occupational Health and Safety (OHS)		
24-Hour Emergency	Alberta-wide	1-866-415-8690
Alberta Boiler Safety Association (ABSA)		
24-Hour Emergency	Alberta-wide	780-437-9100
Alberta Environment and Parks - Rangeland Management		
To report a wildfire	Alberta-wide	310-FIRE (3473)
Justice and Solicitor General, Public Security Division - Fish and Wildlife Enforcement Branch and Environment and Sustainable Resource Development, Fish and Wildlife Division		
<i>Note: Justice and Solicitor General, Public Security Division - Fish and Wildlife Enforcement Branch are in charge of enforcement, to be used to report a poacher and/or polluter and/or to report that you have seen a bear that could be in distress or in danger or could endanger the public. Environment and Sustainable Resource Development, Fish and Wildlife Division are in charge of the biologists, to be used if a water body needs to be tested.</i>		
Report a Poacher (24-Hour)	Alberta-wide	1-800-642-3800
Alberta Municipal Affairs, Safety Services, Electrical Safety		
24-Hour Emergency	Alberta-wide	1-866-421-6929
Office (Daytime only)		1-877-427-8393
Alberta Transportation		
Alberta Environmental and Dangerous Goods Emergencies (EDGE)		
<i>Note: Contact if the Emergency Planning Zone (EPZ) impacts an Alberta highway.</i>		
Dangerous Goods - 24-Hour	Alberta-wide	1-800-272-9600
Volker Stevin, Highway and Road Maintenance Contractor		
<i>Note: Road Maintenance Contractor for Highway 545.</i>		
24-Hour Emergency	Alberta-wide	1-888-877-6237
Office (Daytime only)	Medicine Hat, AB	403-527-5374
Alberta Health Services (AHS) - South Zone		
24-Hour Emergency	Province-wide	1-844-755-1788
Office (Daytime only)	Lethbridge, AB	403-502-8205
Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Canada-wide	1-800-661-9608
	Alberta-wide	1-866-922-9221

SASKATCHEWAN

Agency	Location	Telephone Number
Saskatchewan Labour Relations and Workplace Safety		
24-Hour Emergency	Saskatchewan-only	1-800-567-7233
Office (Daytime only)	Saskatoon, SK	306-787-4481
Technical Safety Authority of Saskatchewan (TSASK) - Boiler and Pressure Vessel Safety		
Office (Daytime only)	Regina, SK	1-866-530-8599 306-798-7111
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Environment - Compliance and Field Services Fish and Wildlife Division		
24-Hour Emergency	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Highway		
24-Hour Emergency	Saskatchewan-wide	1-888-335-7623
Saskatchewan Health Authority (SHA)		
<i>Note: Refer to the Emergency Response Planning Map for jurisdiction</i>		
Program Director On-Call	Saskatoon, SK	1-833-665-7999
Saskatchewan Ministry of Health		
Emergency Management Unit	Saskatchewan-wide	306-519-8570
Saskatchewan Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Saskatchewan-wide	1-800-667-7590
Saskatchewan Water Agency (WSA)		
Office (Daytime only)	Moose Jaw, SK	306-694-3900
Spill Reporting Line	Moose Jaw, SK	1-844-536-9494

9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Location
General Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

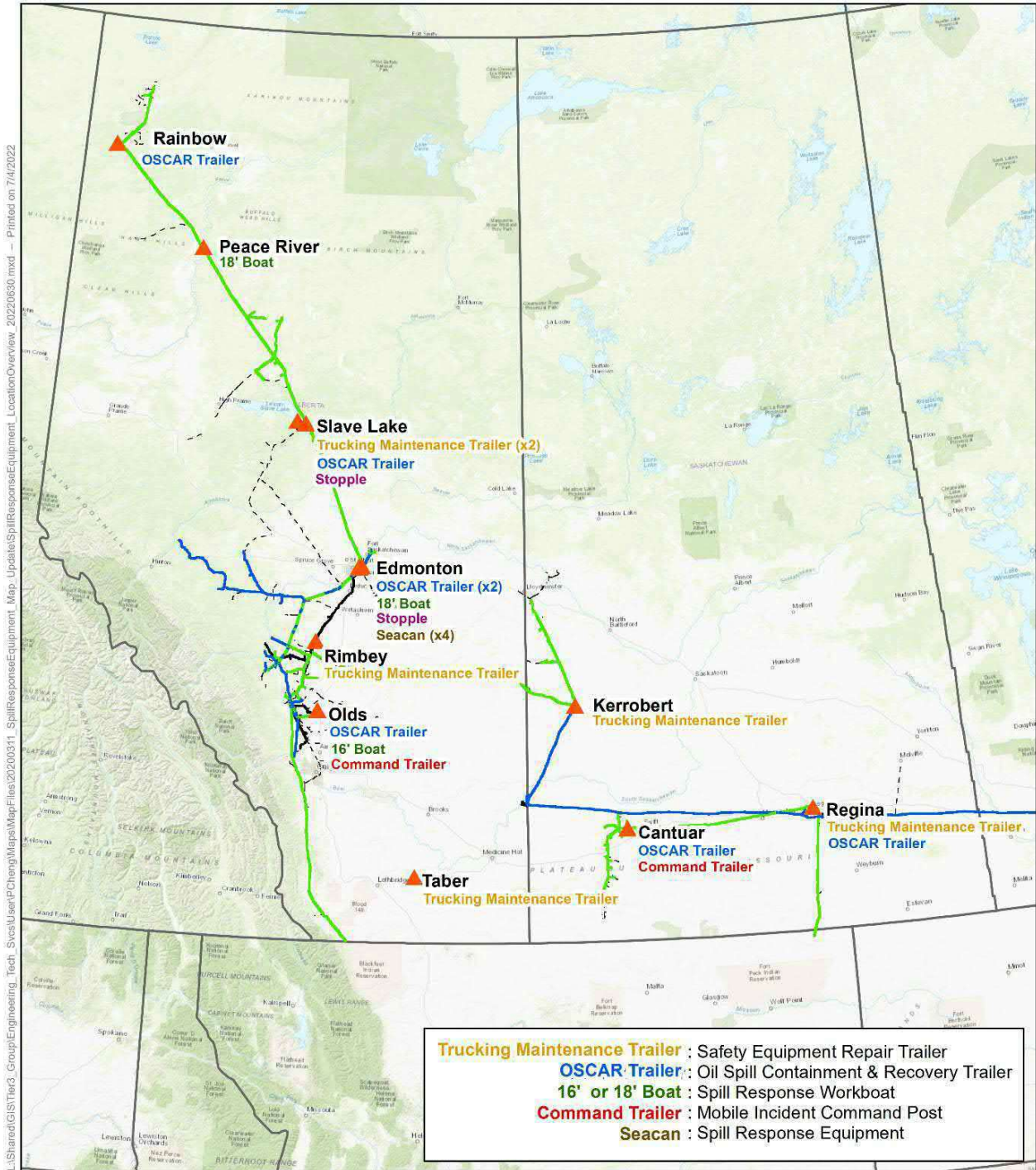
- Steel-toe boots
- Hard hats
- Gloves
- Fire retardant work wear with reflective striping
- Safety glasses
- Personal gas monitors

9.3.3 PMC Response Equipment


PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment



L:\Share\GIS\Tier3_Group\Engineering_Tech_Svcs\Use\PC\Cheng\MapFiles\20220311_SpillResponseEquipment_Map_Update\SpillResponseEquipment_LocationOverview_20220630.mxd - Printed on 7/4/2022



DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product
 - HVP-NGL
 - LVP
 - Inactive PMC Pipeline

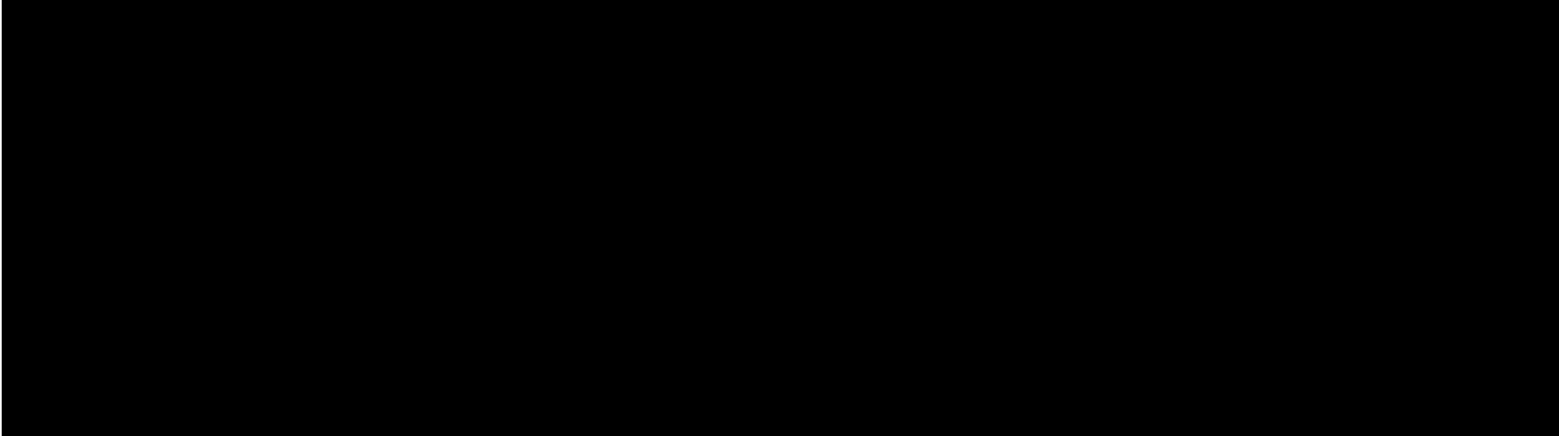
PMC Spill Response Equipment Locations June 2022

0 50 100 200 300 400 Kilometers

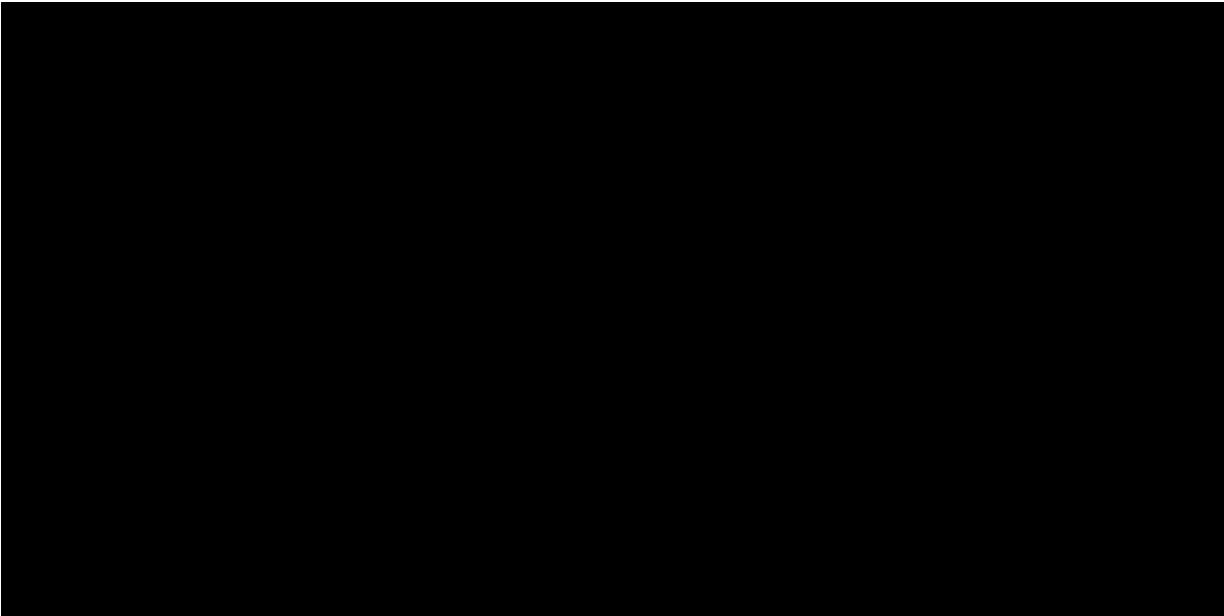
Plains Midstream Canada 1450 - 607 - 8th Ave SW Calgary, AB T2P 0A7 +1 (403) 298-2100	Coordinate System: NAD 1983 UTM Zone 12N	<table border="1"> <tr> <th>TEAM</th> <th>GIS</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>CREATE</td> <td>TBD</td> <td>TBD</td> <td></td> </tr> <tr> <td>MODIFY</td> <td>mmmmmm</td> <td>04 Jul 2022</td> <td>Rev A</td> </tr> <tr> <td>CHECK</td> <td>TBD</td> <td>TBD</td> <td>Figure 1</td> </tr> <tr> <td>APPROVE</td> <td>TBD</td> <td>TBD</td> <td></td> </tr> </table>	TEAM	GIS	DATE	DESCRIPTION	CREATE	TBD	TBD		MODIFY	mmmmmm	04 Jul 2022	Rev A	CHECK	TBD	TBD	Figure 1	APPROVE	TBD	TBD		000-MAP-0000-0000
TEAM	GIS	DATE	DESCRIPTION																				
CREATE	TBD	TBD																					
MODIFY	mmmmmm	04 Jul 2022	Rev A																				
CHECK	TBD	TBD	Figure 1																				
APPROVE	TBD	TBD																					

9.4 Technical Data

9.4.1 Pipelines



9.4.2 Block Valves





9.4.3 Facilities

Refer to the PMC Empress 6 Plant Emergency Response Plan for detailed information.



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PIPELINE SECTION 1

FROM 0.0km (Empress 6 Plant)
TO 94.3km (MLV 94/ROV 94 - Cabri Trap Site)
MAP 1 of 2

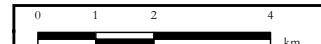


Draft Date: June 3, 2019 DS Scale: 1:130,000 Map: 8787

Revision Date: September 12, 2022 FSC UTM ZONE 12 NAD83



- | | | | | |
|------------------------|-----------------------|-----------------------|----------------------------|--------------------|
| ⊕ Third Party Well | ----- Other Roads | ⊗ Abandoned | ~ Hydrology | ⚡ ER Field Centre |
| ■ Third Party Facility | — Main Hwy | ✈ Airstrip | ☁ Waterbody | 🏠 Health Authority |
| 🏠 Facility | + Railway | 📡 Communication Tower | 🏘 Urban Area | 🏢 Local Authority |
| 🏠 Gas Plant | ▬ Airfield | ◆ Dead End | 🌿 Grazing Lease | 👮 RCMP |
| 🚗 HOV/MOV | 🏠 Occupied | 🏡 Farm Use Area | 🦋 Wildlife Management Unit | 🏠 WCSS COOP |
| 🚧 Manual | 🏢 Business | ✂ Locked Gate | 🟡 EPZ | 🟡 Egress EPZ |
| — Third Party Pipeline | 🏠 Occupied Facility | ⚡ Power Station | ⬤ Other PMC System EPZ | |
| — Oil Pipeline | ■ Surface Development | 🏠 Recreation Area | | |
| — HVP Pipeline | | 📍 Staging Area | | |
| — Water Pipeline | | 🚗 Rail Crossing | | |



PIPELINE SECTION 1

FROM 0.0km (Empress 6 Plant)
TO 94.3km (MLV 94/ROV 94 - Cabri Trap Site)
MAP 2 of 2

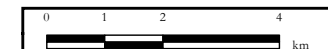


Draft Date: June 3, 2019 DS Scale: 1:130,000 Map: 8788

Revision Date: September 14, 2022 FSC UTM ZONE 12 NAD83



- | | | | | |
|------------------------|-----------------------|-----------------|--------------|--------------------|
| ⊛ Third Party Well | ----- Other Roads | ⊗ Abandoned | ~ Hydrology | ⚡ ER Field Centre |
| ■ Third Party Facility | — Main Hwy | ⌂ Farm Use Area | ☁ Waterbody | 🏠 Health Authority |
| ■ Facility | + Railway | ✕ Locked Gate | 🏘 Urban Area | 🏢 Local Authority |
| 🏭 Gas Plant | ▬ Airfield | ⚡ Rail Crossing | | 👮 RCMP |
| 🔧 Manual | 🏠 Occupied | | | 🏠 WCSS COOP |
| — Third Party Pipeline | ■ Occupied Facility | | | ● EPZ |
| — Oil Pipeline | ■ Surface Development | | | ● Egress EPZ |



9.5.2 Plot Plans

Refer to the PMC Empress 6 Plant Emergency Response Plan for detailed information.



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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

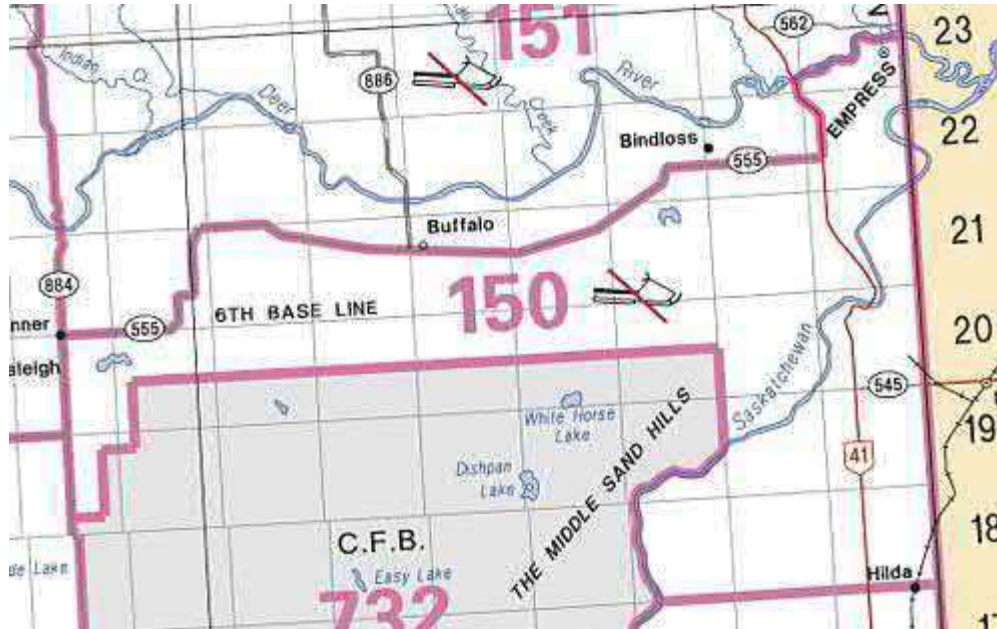


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Guides / Outfitters

Wildlife Management Unit (WMUs) 150 could be impacted in an emergency.

WMU 150



Organization	Address	Telephone Number
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]



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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.



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SECTION 9: Pipeline Section 2 (From 94.3 km to 194.5 km)

- 9.1 Overview.....9-1
 - 9.1.1 Driving Directions9-1
- 9.2 Telephone Directory.....9-3
 - 9.2.1 PMC 24-Hour Emergency Line.....9-3
 - 9.2.2 Internal Emergency Telephone Numbers9-3
 - 9.2.3 Reception Centres9-3
 - 9.2.4 First Responders.....9-3
 - 9.2.5 Lead Agencies.....9-4
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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.



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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			



PPTC Pipeline Emergency Response Plan – Pipeline Section 2
 From 94.3 km (MLV 94/ROV 94 - Cabri Trap Site) to 194.5 km (Hebert PTC)

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Pennant Memorial Hall	c/o Box 25 Pennant, SK	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Alberta are managed by the provincial government under Alberta Health Services (AHS).</i>		
Volunteer Fire Departments	Provincial	911
Riverside Fire Department	Riverside, SK	306-741-7635
Valley Rural Fire Department	Swift Current, SK	306-741-2300
Swift Current Fire Department	Swift Current, SK	306-778-2760
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Leader RCMP	Leader, SK	306-628-4600
Swift Current RCMP	Swift Current, SK	306-778-4870
Hospitals	Provincial	911
Herbert and District Integrated Health Facility	Herbert, SK	306-784-2466 (press "1")
Cypress Regional Hospital	Swift Current, SK	306-778-9400

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: *If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>*

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line Note: First lead agency call to be made	Ottawa, ON	1-819-997-7887
24-Hour CER Incident Cellular Telephone Note: If unable to reach the TSB Hot Line, call this contact	Calgary, AB	403-299-2773

SASKATCHEWAN

Note: If an emergency occurs in Saskatchewan at this CER-regulated operation, PMC will initiate a courtesy notification to the Saskatchewan Ministry of Energy and Resources (ER) and also notify the Saskatchewan Public Safety Agency (SPSA), the Saskatchewan Ministry of Environment, Spill Report Line and the impacted Rural Municipality.

Agency	Location	Telephone Number
Saskatchewan Ministry of Energy and Resources (ER)		
Swift Current Field Office 24-Hour Emergency	Swift Current, SK	306-778-8252
Saskatchewan Public Safety Agency (SPSA)		
24-Hour Emergency	Regina, SK	306-787-9563
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

SASKATCHEWAN

Agency	Location	Telephone Number
Rural Municipality of Excelsior No. 166 Office (Daytime only)	Rush Lake, SK	306-784-3121
Rural Municipality of Miry Creek No. 229 Office (Daytime only)	Abbey, SK	306-689-2281
Rural Municipality of Riverside No. 168 Office (Daytime only)	Pennant, SK	306-626-3255
Rural Municipality of Saskatchewan Landing No. 167 Office (Daytime only)	Stewart Valley, SK	306-778-2105

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Saskatchewan Ministry of Energy and Resources (ER), Saskatchewan Ministry of Environment and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Saskatchewan Ministry of Environment, Spill Report Line	Saskatchewan-wide	1-800-222-6514

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

SASKATCHEWAN

Agency	Location	Telephone Number
Saskatchewan Labour Relations and Workplace Safety		
24-Hour Emergency	Saskatchewan-only	1-800-567-7233
Office (Daytime only)	Saskatoon, SK	306-787-4481
Technical Safety Authority of Saskatchewan (TSASK) - Boiler and Pressure Vessel Safety		
Office (Daytime only)	Regina, SK	1-866-530-8599 306-798-7111
Saskatchewan Ministry of Environment,		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Environment - Compliance and Field Services Fish and Wildlife Division		
24-Hour Emergency	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Highways		
24-Hour Emergency	Saskatchewan-wide	1-888-335-7623
Saskatchewan Health Authority (SHA)		
<i>Note: Refer to the Emergency Response Planning Map for jurisdiction</i>		
Program Director On-Call	Saskatchewan-wide	1-833-665-7999
Saskatchewan Ministry of Health		
Emergency Management Unit	Saskatchewan-wide	1-800-667-7590
Saskatchewan Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Saskatchewan-wide	1-800-667-7590
Saskatchewan Water Agency (WSA)		
Office (Daytime only)	Moose Jaw, SK	306-694-3900
Spill Reporting Line	Moose Jaw, SK	1-844-536-9494

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9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Location
General Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
Vehicle Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

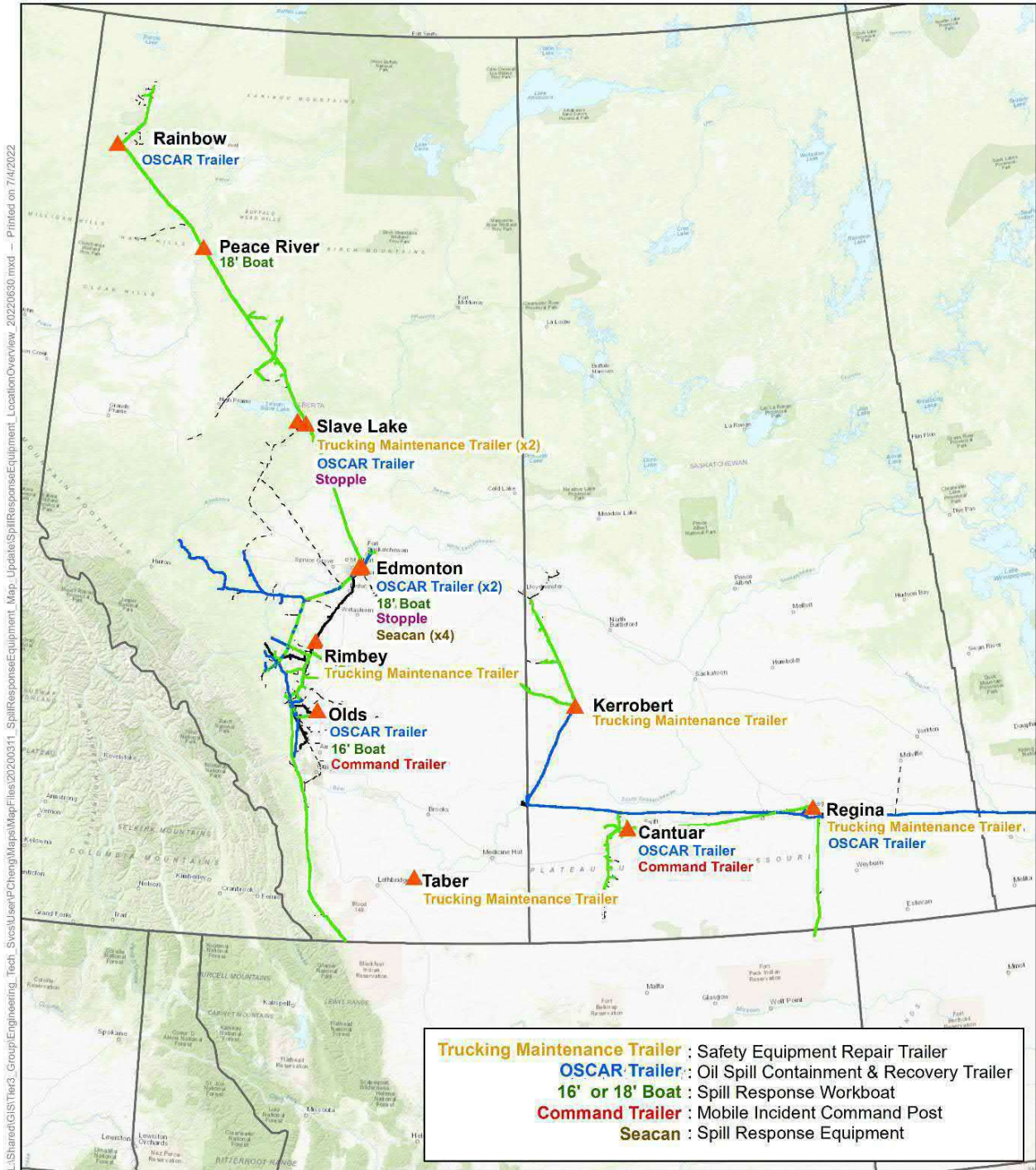
- Steel-toe boots
- Gloves
- Safety glasses
- Hard hats
- Fire retardant work wear with reflective striping
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment




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 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product**
- HVP-NGL
- LVP
- - - Inactive PMC Pipeline

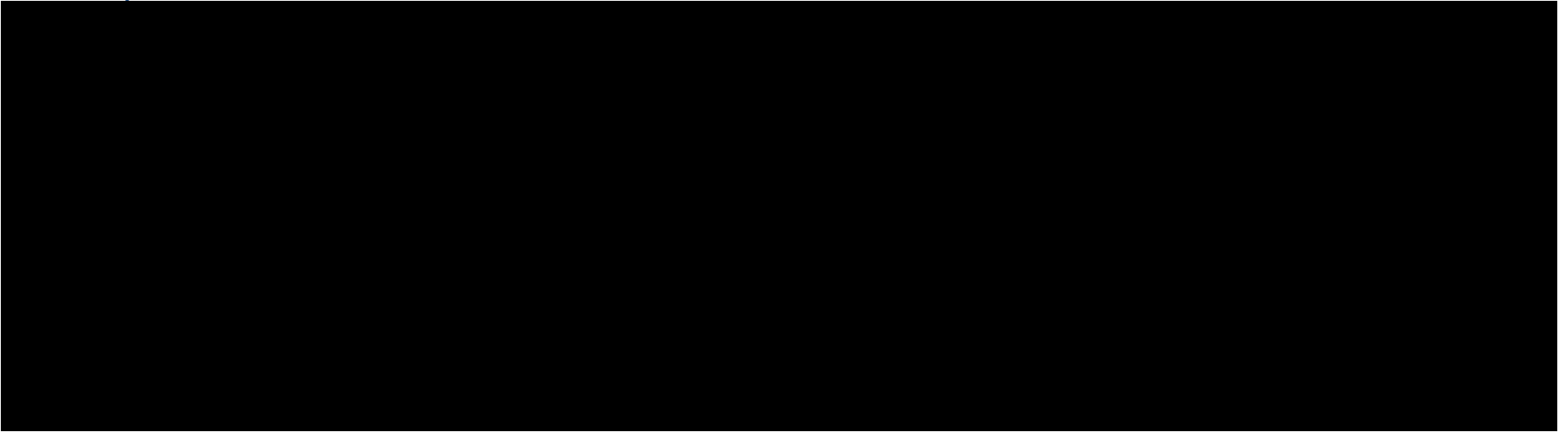
**PMC Spill Response Equipment Locations
 June 2022**

0 50 100 200 300 400 Kilometers

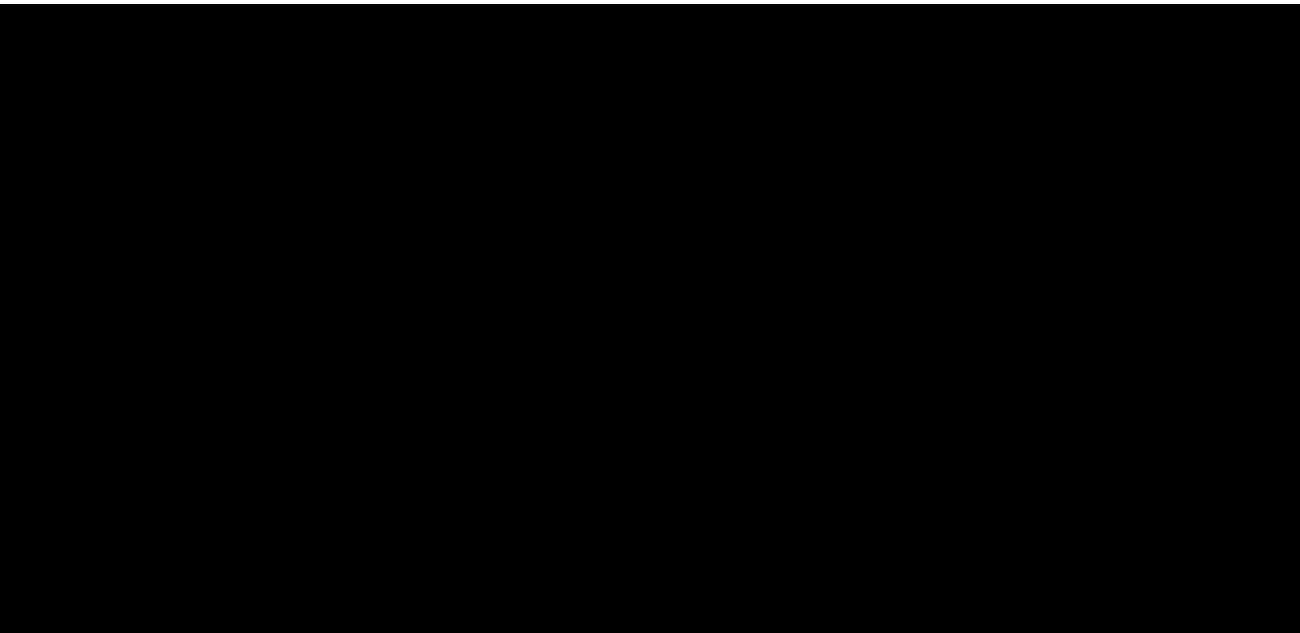
Plains Midstream Canada 1420 - 607 - 8th Ave SW Calgary, AB T2P 0A7 +1 (403) 298-2100	Coordinate System: NAD 1983 UTM Zone 12N		TEAM: GIS	000-MAP-0000-0000
	CREATE	TBD	TBD	Rev. A
	MODIFY	mmmmmm	04 Jul 2022	Figure 1
	CHECK	TBD	TBD	
	APPROVE	TBD	TBD	

9.4 Technical Data

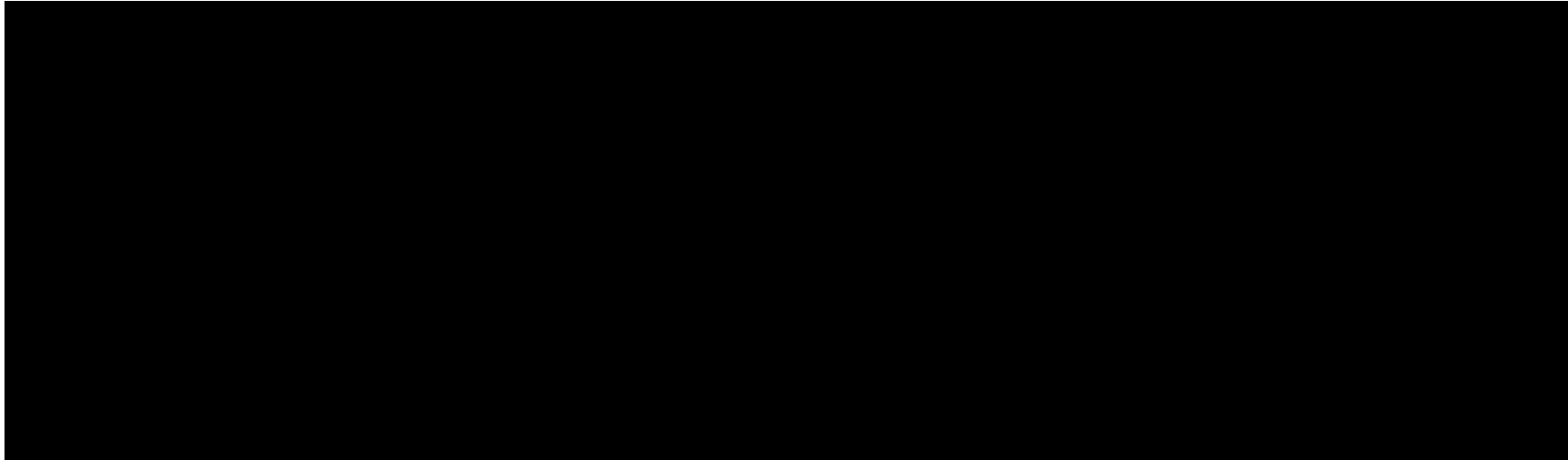
9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities



PIPELINE SECTION 2

FROM 94.3km (MLV 94/ROV 94 - Cabri Trap Site)
TO 194.5km (Herbert PPTC Pump Station)
MAP 1 of 2

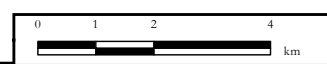


Draft Date: June 3, 2019 DS Scale: 1:130,000 Map: 8789

Revision Date: September 12, 2022 FSC UTM ZONE 12 NAD83



- | | | | | |
|--|---|---|--|---|
| <ul style="list-style-type: none"> Third Party Well Third Party Facility Facility Gas Plant Manual Third Party Pipeline Oil Pipeline Discontinued Oil Pipeline Misc. Fluids Pipeline | <ul style="list-style-type: none"> Other Roads Main Hwy Railway Airfield Occupied Business Vacant Occupied Facility Surface Development | <ul style="list-style-type: none"> Abandoned Communication Tower Dead End Farm Use Area Rail Crossing | <ul style="list-style-type: none"> Hydrology Waterbody Urban Area Protected Area | <ul style="list-style-type: none"> ER Field Centre Health Authority Local Authority RCMP WCSS COOP EPZ Egress EPZ |
|--|---|---|--|---|



PIPELINE SECTION 2

FROM 94.3km (MLV 94/ROV 94 - Cabri Trap Site)
TO 194.5km (Herbert PPTC Pump Station)
MAP 2 of 2

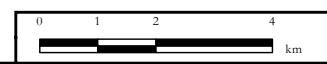


Draft Date: June 3, 2019 DS Scale: 1:130,000 Map: 8790

Revision Date: September 12, 2022 FSC UTM ZONE 12 NAD83

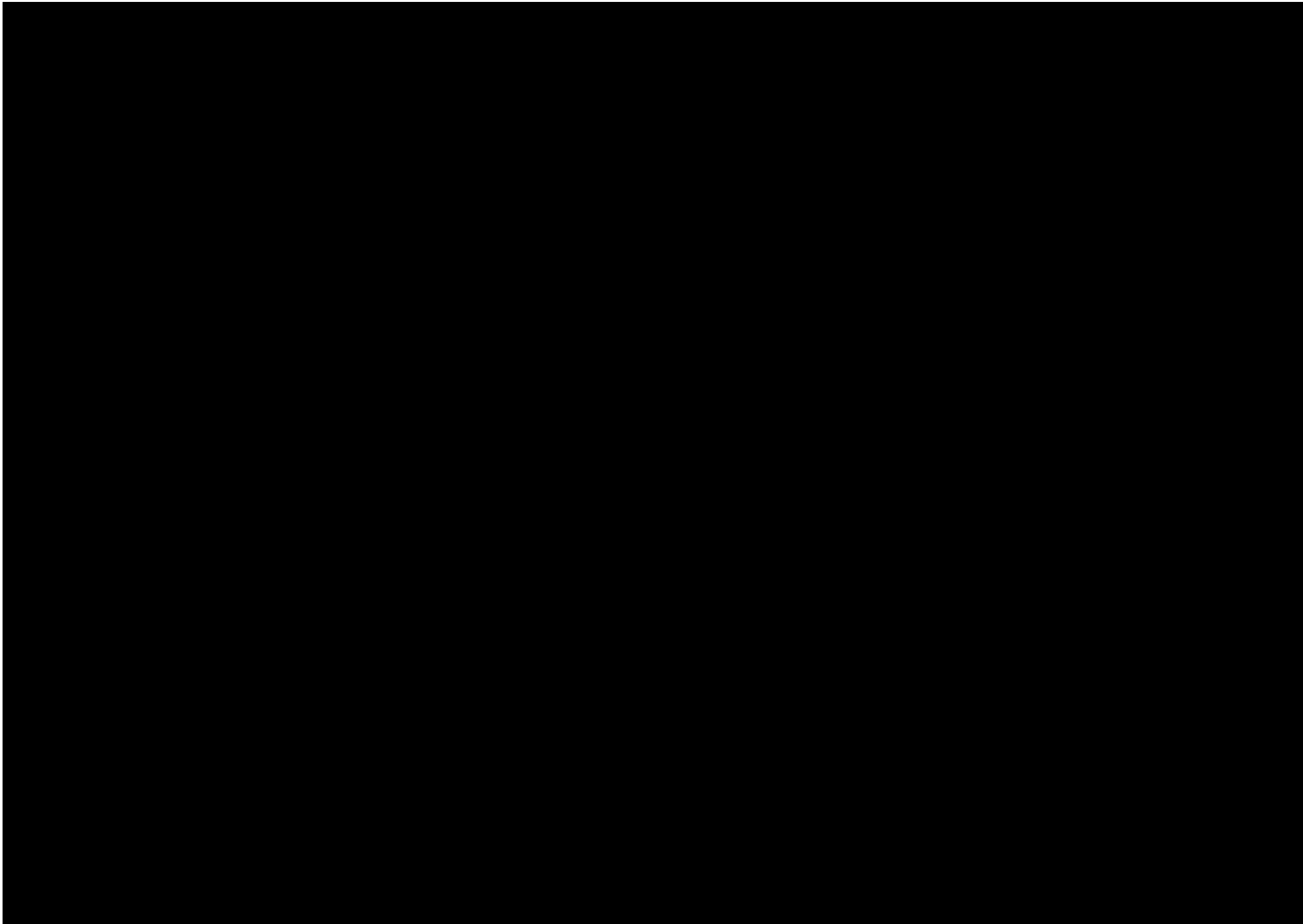


- | | | | | |
|------------------------|-----------------------|-----------------------|----------------|----------------------|
| ⊛ Third Party Well | ----- Other Roads | ⊠ Abandoned | Hydrology | ER Field Centre |
| ■ Third Party Facility | — Main Hwy | ≡ Bridge | Waterbody | Health Authority |
| ■ Facility | 🏠 Occupied | 📡 Communication Tower | Urban Area | Local Authority |
| Gas Plant | 🚒 Sensitive | ◆ Dead End | Protected Area | RCMP |
| HOV/MOV | 🏡 Colony | 🏠 Farm Use Area | | WCSS COOP |
| Manual | 🏢 Occupied Facility | ✖ Locked Gate | | EPZ |
| — Third Party Pipeline | ■ Surface Development | | | E2 Zone |
| — Oil Pipeline | | | | Egress EPZ |
| | | | | Other PMC System EPZ |





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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.

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SECTION 9: Pipeline Section 3 (From 194.5 km to 298 km)

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- 9.2 Telephone Directory.....9-3
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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.

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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Chaplin Community Complex	c/o Box 9 Chaplin, SK	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Alberta-wide	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Alberta are managed by the provincial government under Alberta Health Services (AHS)</i>		
Volunteer Fire Departments	Provincial	911
Herbert Fire Department	Herbert, SK	306-784-7580
Morse Fire Department	Morse, SK	306-629-7548
Chaplin Fire Department	Chaplin, SK	306-796-7729
Swift Current Fire Department	Swift Current, SK	306-778-2761
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Moose Jaw RCMP	Moose Jaw, SK	306-691-4670
Morse RCMP	Morse, SK	306-629-4100
Swift Current RCMP	Swift Current, SK	306-778-4870
Hospitals	Provincial	911
Herbert and District Integrated Health Facility	Herbert, SK	306-784-2466 (Dial number then press "1")
Dr. F.H. Wigmore Regional Hospital	Moose Jaw, SK	306-694-0200

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: *If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>*

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line	Ottawa, ON	1-819-997-7887
Note: First lead agency call to be made		
24-Hour CER Incident Cellular Telephone	Calgary, AB	403-299-2773
Note: If unable to reach the TSB Hot Line, call this contact		

SASKATCHEWAN

Note: If an emergency occurs in Saskatchewan at this CER-regulated operation, PMC will initiate a courtesy notification to the Saskatchewan Ministry of Energy and Resources (ER) and also notify the Saskatchewan Public Safety Agency (SPSA), the Saskatchewan Ministry of Environment, Spill Report Line and the impacted Rural Municipality.

Agency	Location	Telephone Number
Saskatchewan Ministry of Energy and Resources (ER)		
Swift Current Field Office 24-Hour Emergency	Swift Current, SK	306-778-8252
Saskatchewan Public Safety Agency (SPSA)		
24-Hour Emergency	Regina, SK	306-787-9563
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

SASKATCHEWAN

Agency	Location	Telephone Number
Rural Municipality of Caron No. 162 Office (Daytime only)	Moose Jaw, SK	306-692-2293
Rural Municipality of Chaplin No. 164	Chaplin, SK	306-395-2244
Rural Municipality of Excelsior No. 166 Office (Daytime only)	Rush Lake, SK	306-784-3121
Rural Municipality of Morse No. 165 Office (Daytime only)	Morse, SK	306-629-3282
Rural Municipality of Wheatlands No. 163 Office (Daytime only)	Mortlach, SK	306-355-2233

9.2.7 Supporting Agencies

NOTE: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Saskatchewan Ministry of Energy and Resources (ER), Saskatchewan Ministry of Environment and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Saskatchewan Ministry of Environment, Spill Report Line	Saskatchewan-wide	1-800-222-6514

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

SASKATCHEWAN

Agency	Location	Telephone Number
Saskatchewan Labour Relations and Workplace Safety		
24-Hour Emergency	Saskatchewan-only	1-800-567-7233
Office (Daytime only)	Saskatoon, SK	306-787-4481
Technical Safety Authority of Saskatchewan (TSASK) - Boiler and Pressure Vessel Safety		
Office (Daytime only)	Regina, SK	1-866-530-8599 306-798-7111
Saskatchewan Ministry of Environment,		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Environment - Compliance and Field Services Fish and Wildlife Division		
24-Hour Emergency	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Highways		
24-Hour Emergency	Saskatchewan-wide	1-888-335-7623
Saskatchewan Health Authority (SHA)		
<i>Note: Refer to the Emergency Response Planning Map for jurisdiction</i>		
Program Director On-Call	Saskatchewan-wide	1-833-665-7999
Saskatchewan Ministry of Health		
Emergency Management Unit	Saskatchewan-wide	306-519-8570
Saskatchewan Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Saskatchewan-wide	1-800-667-7590
Saskatchewan Water Agency (WSA)		
Office (Daytime only)	Moose Jaw, SK	306-694-3900
Spill Reporting Line	Moose Jaw, SK	1-844-536-9494

9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Location
General Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
Vehicle Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

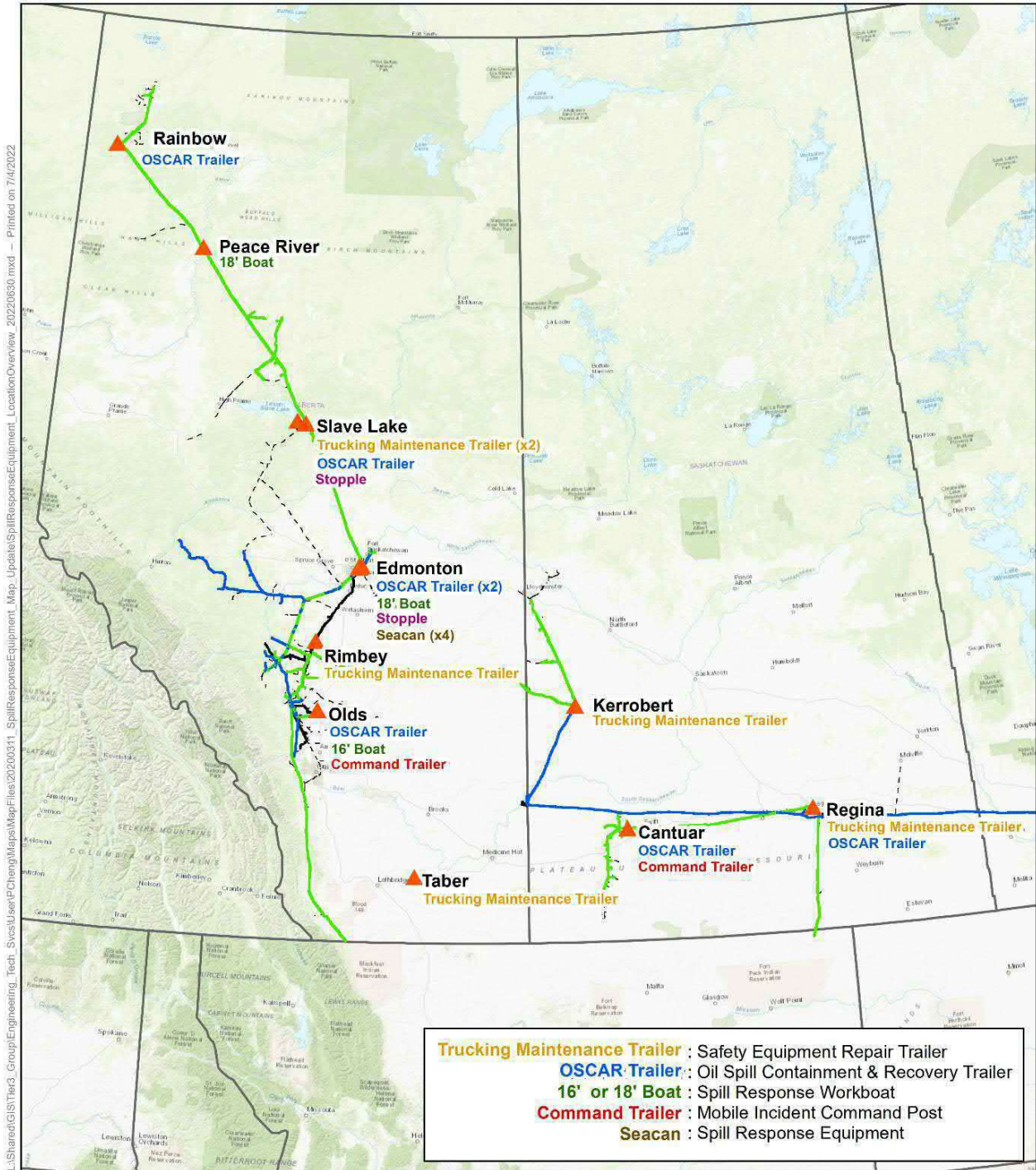
- Steel-toe boots
- Gloves
- Safety glasses
- Hard hats
- Fire retardant work wear with reflective striping
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment




DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.


- Legend**
- ▲ PMC Spill Response Equipment Location
 - Active PMC Pipelines By Product**
 - HVP-NGL
 - LVP
 - - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
June 2022**

0 50 100 200 300 400 Kilometers



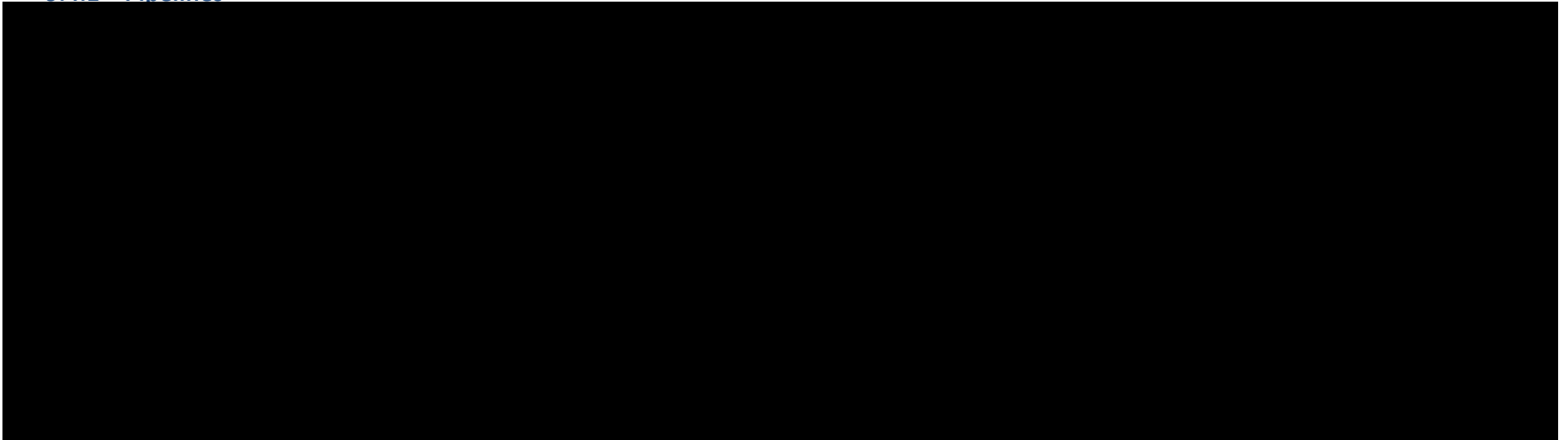
N



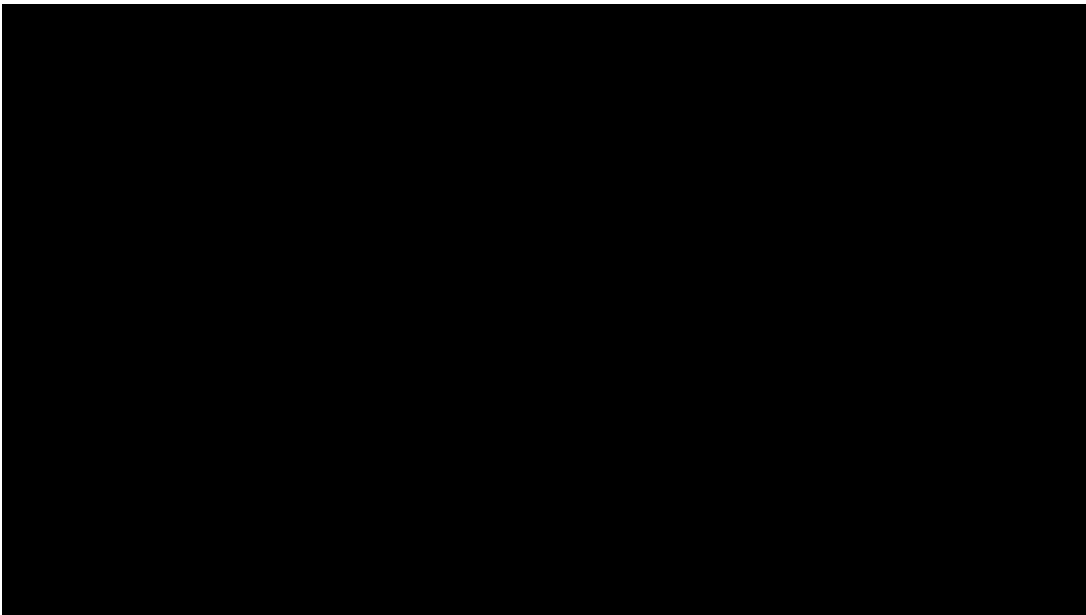
Plains Midstream Canada 1420 - 607 - 8th Ave SW Calgary, AB T2P 0A7 +1 (403) 298-2100	Coordinate System: NAD 1983 UTM Zone 12N	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">TEAM: GIS</th> <th colspan="2">000-MAP-0000-0000</th> </tr> </thead> <tbody> <tr> <td>CREATE</td> <td>TBD</td> <td>TBD</td> <td></td> </tr> <tr> <td>MODIFY</td> <td>mmmmmm</td> <td>04 Jul 2022</td> <td>Rev A</td> </tr> <tr> <td>CHECK</td> <td>TBD</td> <td>TBD</td> <td>Figure 1</td> </tr> <tr> <td>APPROVE</td> <td>TBD</td> <td>TBD</td> <td></td> </tr> </tbody> </table>	TEAM: GIS		000-MAP-0000-0000		CREATE	TBD	TBD		MODIFY	mmmmmm	04 Jul 2022	Rev A	CHECK	TBD	TBD	Figure 1	APPROVE	TBD	TBD	
TEAM: GIS		000-MAP-0000-0000																				
CREATE	TBD	TBD																				
MODIFY	mmmmmm	04 Jul 2022	Rev A																			
CHECK	TBD	TBD	Figure 1																			
APPROVE	TBD	TBD																				

9.4 Technical Data

9.4.1 Pipelines



9.4.2 Block Valves





9.4.3 Facilities

This section is not applicable to the PPTC Pipeline Section 3 ERP.



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PIPELINE SECTION 3

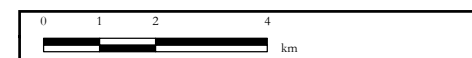
FROM 194.5km (Herbert PPTC Pump Station)
TO 298km (ROV 297 - Caron)

MAP 1 of 2



Draft Date: June 3, 2019 DS	Scale: 1:140,000	Map: 8791
Revision Date: August 5, 2022 TS	UTM ZONE 13 NAD83	

- | | | | | |
|----------------------|-------------|---------------------|---------------|------------------|
| Third Party Well | Other Roads | Occupied | Abandoned | Hydrology |
| Third Party Facility | Main Hwy | Business | Dead End | Waterbody |
| HOV/MOV | Divided Hwy | Vacant | Farm Use Area | Urban Area |
| Manual | Trails | Occupied Facility | Gravel Pit | ER Field Centre |
| Third Party Pipeline | Railway | Surface Development | Locked Gate | Health Authority |
| Oil Pipeline | Airfield | | Power Station | Local Authority |
| | | | Rail Crossing | RCMP |
| | | | | WCSS COOP |
| | | | | EPZ |
| | | | | Egress EPZ |



PIPELINE SECTION 3

FROM 194.5km (Herbert PPTC Pump Station)
TO 298km (ROV 297 - Caron)

MAP 2 of 2

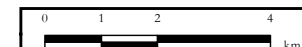


Draft Date: June 3, 2019 DS Scale: 1:130,000 Map: 8792

Revision Date: September 14, 2022 FSC UTM ZONE 13 NAD83



- | | | | | |
|----------------------|-------------|---------------------|---------------------|----------------------|
| Third Party Facility | Other Roads | Occupied | Abandoned | Hydrology |
| HOV/MOV | Main Hwy | Occupied Facility | Communication Tower | Waterbody |
| Manual | Divided Hwy | Surface Development | Dead End | Protected Area |
| Third Party Pipeline | Trails | Farm Use Area | Gravel Pit | Urban Area |
| Oil Pipeline | Railway | Locked Gate | Rail Crossing | ER Field Centre/NRND |
| | Airfield | | | Health Authority |
| | | | | Local Authority |
| | | | | RCMP |
| | | | | WCSS COOP |
| | | | | EPZ |
| | | | | Egress EPZ |





9.5.2 Plot Plans

This section is not applicable to the PPTC Pipeline Section 3 ERP.

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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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- 9.7 Dewdney Terminal Environmental Emergency Plan E2 ID #: 2561 (Yellow Tab)

Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.



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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
NOTE: PTC Remote Operated Valve No 377 (MOV101). MOV101 is controllable from 'OCC' and is the beginning of the 'Dewdney Spur Line'			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
NOTE: PTC Remote Operated Valve No 406B (Regina Terminal).			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Heritage Inn Hotel & Convention Centre	1590 Main Street Moose Jaw, SK	-	[REDACTED]	-
The Atlas Hotel	4177 Albert St. Regina, SK	-	[REDACTED]	-

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Alberta are managed by the provincial government under Alberta Health Services (AHS).</i>		
Volunteer Fire Departments	Provincial	911
Caronport & Caron Fire Department	Caronport, SK	306-756-2627
Moose Jaw Fire Department	Moose Jaw, SK	306-692-2792
Pense Fire Department	Pense, SK	306-501-0396
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Moose Jaw RCMP	Moose Jaw, SK	306-691-4670
White Butte (Regina) RCMP	Regina, SK	306-781-5050
Milestone RCMP	Milestone, SK	306-436-6250
Regina Police (8:00 a.m. to 8:00 p.m./7 days per week)	Regina, SK	306-777-6500
Hospitals	Provincial	911
Regina General Hospital	Regina, SK	306-766-4444
Dr. F.H. Wigmore Regional Hospital	Moose Jaw, SK	306-694-0200

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: *If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>*

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line Note: First lead agency call to be made	Ottawa, ON	1-819-997-7887
24-Hour CER Incident Cellular Telephone Note: If unable to reach the TSB Hot Line, call this contact	Calgary, AB	403-299-2773

SASKATCHEWAN

Note: *If an emergency occurs in Saskatchewan at this CER-regulated operation, PMC will initiate a courtesy notification to the Saskatchewan Ministry of Energy and Resources (ER) and also notify the Saskatchewan Public Safety Agency (SPSA), the Saskatchewan Ministry of Environment, Spill Report Line and the impacted Rural Municipality.*

Agency	Location	Telephone Number
Saskatchewan Ministry of Energy and Resources (ER)		
Estevan Field Office 24-Hour Emergency	Estevan, SK	306-637-4541
Saskatchewan Public Safety Agency (SPSA)		
24-Hour Emergency	Regina, SK	306-787-9563
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

SASKATCHEWAN

Agency	Location	Telephone Number
Rural Municipality of Edenwold No. 158 Office (Daytime only)	Emerald Park, SK	306-771-2522
Rural Municipality of Sherwood No. 159 Office (Daytime only)	Regina, SK	306-525-5237
Rural Municipality of Pense No. 160 Office (Daytime only)	Pense, SK	306-345-2303
Rural Municipality of Moose Jaw No. 161 Office (Daytime only)	Moose Jaw, SK	306-692-3446
Rural Municipality of Caron No. 162 Office (Daytime only)	Moose Jaw, SK	306-692-2293
Sakimay First Nation Office (Daytime only)	Grenfell, SK	306-697-2831
Rural Municipality of Lajord No. 128	Lajord, SK	306-781-2744
Rural Municipality of Bratt's Lake No. 129 Office (Daytime only)	Wilcox, SK	306-732-2030

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Saskatchewan Ministry of Energy and Resources (ER), Saskatchewan Ministry of Environment and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Saskatchewan Ministry of Environment, Spill Report Line	Saskatchewan-wide	1-800-222-6514

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

SASKATCHEWAN

Agency	Location	Telephone Number
Saskatchewan Labour Relations and Workplace Safety		
24-Hour Emergency	Saskatchewan-only	1-800-567-7233
Office (Daytime only)	Saskatoon, SK	306-787-4481
Technical Safety Authority of Saskatchewan (TSASK) - Boiler and Pressure Vessel Safety		
Office (Daytime only)	Regina, SK	866-530-8599 306-798-7111
Saskatchewan Ministry of Environment,		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Environment - Compliance and Field Services Fish and Wildlife Division		
24-Hour Emergency	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Highways		
24-Hour Emergency	Saskatchewan-wide	1-888-335-7623
Saskatchewan Health Authority (SHA)		
<i>Note: Refer to the Emergency Response Planning Map for jurisdiction</i>		
Program Director On-Call	Saskatoon, SK	1-833-665-7999
Saskatchewan Ministry of Health		
Emergency Management Unit	Saskatchewan-wide	306-519-8570
Saskatchewan Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Saskatchewan-wide	1-800-667-7590
Saskatchewan Water Agency (WSA)		
Office (Daytime only)	Moose Jaw, SK	306-694-3900
Spill Reporting Line	Moose Jaw, SK	1-844-536-9494

9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Location
General Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
Vehicle Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

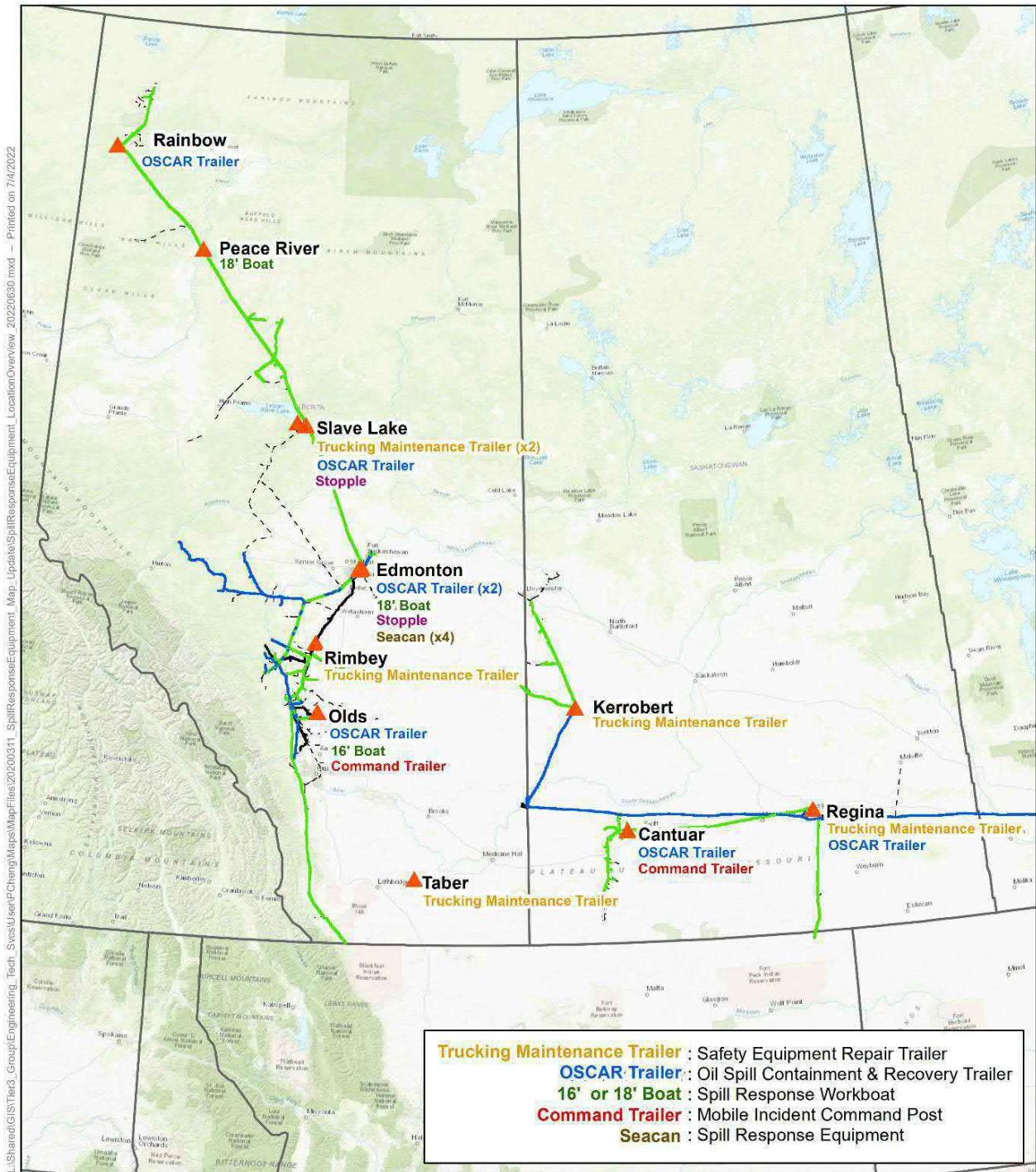

- Steel-toe boots
- Hard hats
- Gloves
- Fire retardant work wear with reflective striping
- Safety glasses
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment

DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

- Legend**
- ▲ PMC Spill Response Equipment Location
 - Active PMC Pipelines By Product**
 - HVP-NGL
 - LVP
 - - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
June 2022**

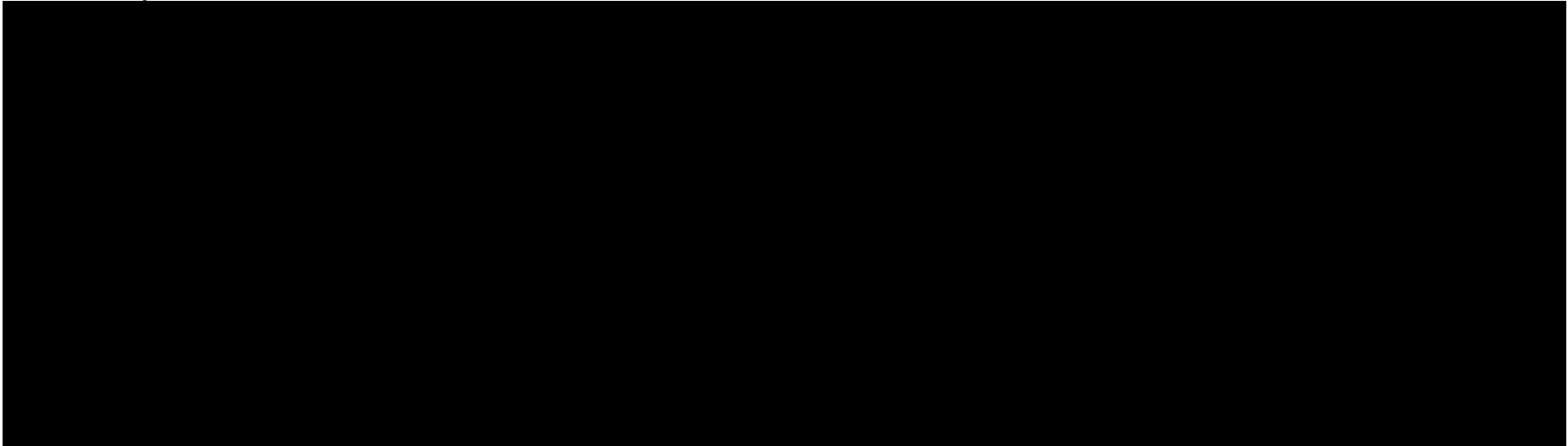
0 50 100 200 300 400 Kilometers

Plains Midstream Canada
1420 - 607 - 8th Ave SW
Calgary, AB T2P 0A7
+1 (403) 298-2100

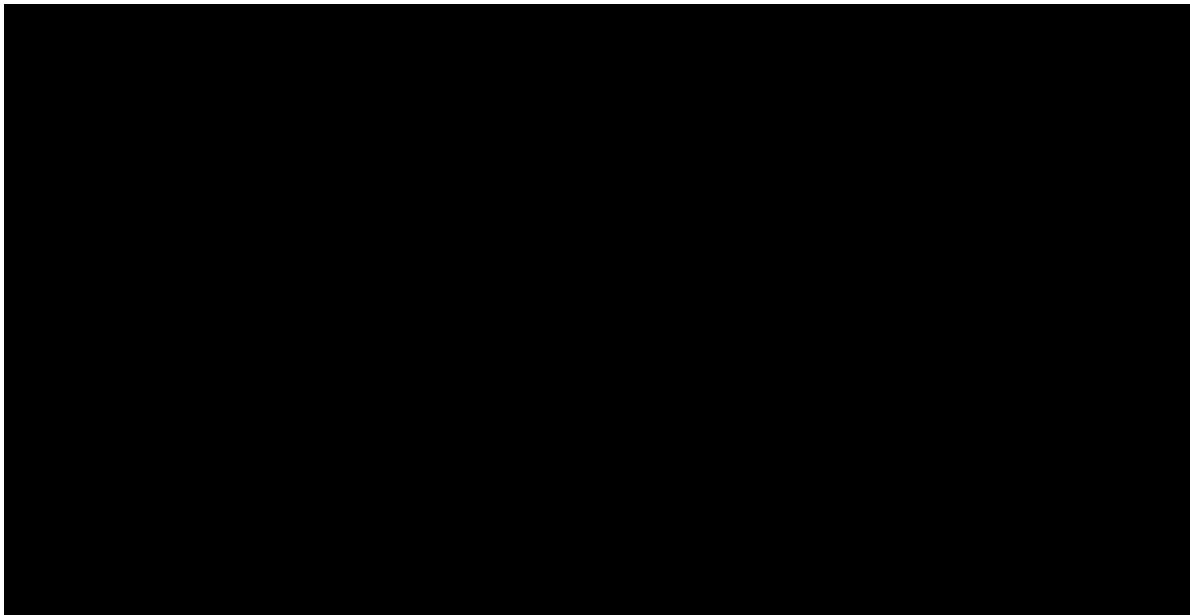
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MODIFY	mmmmmm	04 Jul 2022	Rev A
CHECK	TBD	TBD	Figure 1
APPROVE	TBD	TBD	

9.4 Technical Data

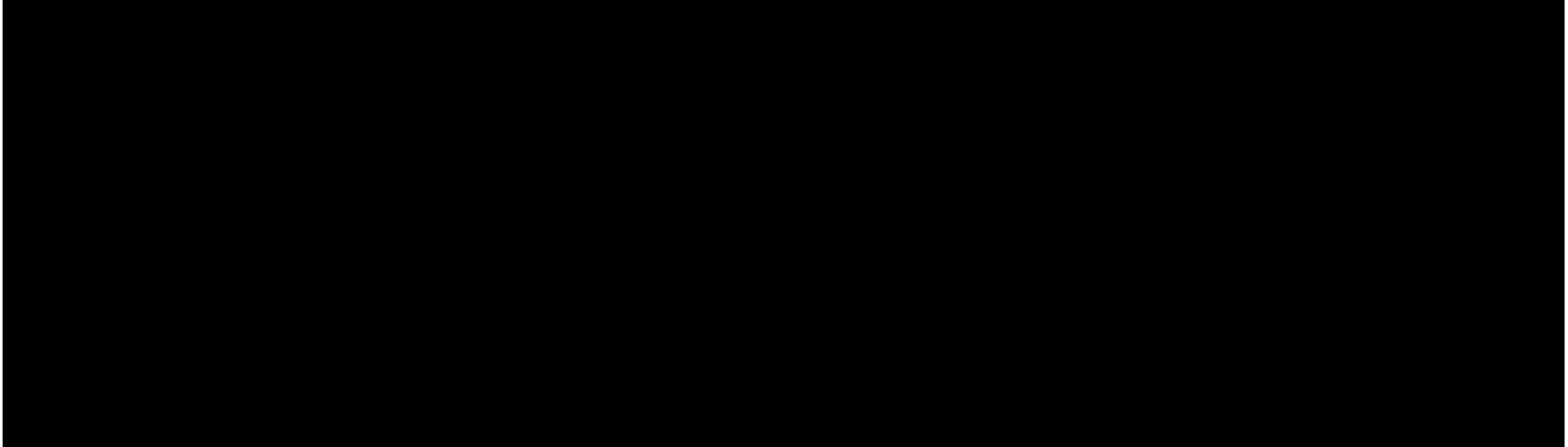
9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities



PIPELINE SECTION 4

FROM 298km (ROV 297 - Caron)

TO 406km (ROV 406 - Richardson Terminal/Trap Site)

MAP 1 of 2



Draft Date: June 3, 2019 DS Scale: 1:140,000 Map: 8793

Revision Date: June 14, 2022 FSC UTM ZONE 13 NAD83



- | | | | | |
|-----------------------|-------------|---------------------|---------------------|----------------------|
| Third Party Well | Other Roads | Occupied | Abandoned | Hydrology |
| Third Party Facility | Main Hwy | Sensitive | Communication Tower | Waterbody |
| Third Party Gas Plant | Divided Hwy | Business | Dead End | Protected Area |
| HOV/MOV | Trails | Occupied Facility | Farm Use Area | Urban Area |
| Manual | Railway | Surface Development | Gravel Pit | ER Field Centre |
| Third Party Pipeline | Airfield | | Locked Gate | Health Authority |
| Oil Pipeline | | | Recreation Area | Local Authority |
| | | | Rail Crossing | RCMP |
| | | | | WCSS COOP |
| | | | | EPZ |
| | | | | E2 Zone |
| | | | | Egress EPZ |
| | | | | Other PMC System EPZ |



PIPELINE SECTION 4
 FROM 298km (ROV 297 - Caron)
 TO 406km (ROV 406 - Richardson Terminal/Trap Site)
 MAP 2 of 2

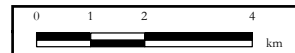


Draft Date: June 3, 2019 DS Scale: 1:140,000 Map: 8794

Revision Date: August 5, 2022 TS UTM ZONE 13 NAD83



- | | | | | |
|------------------------------------|-------------|---------------------|---------------------|-----------------------|
| Third Party Well | Other Roads | Occupied | Abandoned | Hydrology |
| Suspended Gas Well | Main Hwy | Business | Bridge | Waterbody |
| Injection Well | Divided Hwy | Occupied Facility | Communication Tower | First Nations Reserve |
| Service Well | Trails | Surface Development | Dead End | Protected Area |
| Third Party Facility | Railway | | Farm Use Area | Urban Area |
| Third Party Gas Plant | Airfield | | Gravel Pit | ER Field Centre |
| Facility | | | Locked Gate | Health Authority |
| HOV/MOV | | | Rail Crossing | Local Authority |
| Manual | | | | RCMP |
| Third Party Pipeline | | | | WCSS COOP |
| Oil Pipeline | | | | EPZ |
| Misc. Fluids Pipeline | | | | E2 Zone |
| Discontinued Misc. Fluids Pipeline | | | | Egress EPZ |
| | | | | Other PMC System EPZ |





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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]



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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.



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SECTION 9.7: Environmental Emergency Plan **E2 ID#: 2561**

Overview 3

Location..... 3

Directions and Access 3

Environment and Climate Change Canada (ECCC) Regulated Substances 4

Characteristics of the Facility and the Surrounding Area 5

Response Considerations..... 6

Roles & Responsibilities 6

Training 7

Public Communication 8

Local Authority Communication 8

Facility Map and Plot Plan..... 9

Facility Site Section (11x17 Insert)..... 9

Substance Specific Properties & Emergency Management..... 9

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Overview

The on-site storage tanks located at the PMC Dewdney Terminal are regulated under the *Canadian Environmental Protection Act, 1999* as the substances stored (Propane and Butane) are in excess of the threshold limits listed in Schedule 1. Therefore, an Environmental Emergency Plan (E2 Plan) has been prepared for the Dewdney Terminal to meet *Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51*.

The Dewdney Terminal is located at 07-29-17-20 W2M, with the jurisdictional boundaries of the City of Regina, Saskatchewan. The terminal is tied into PPTC Pipeline Section 4. Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

Regulatory agency E2 Registration Reference:

Environment and Climate Change Canada (ECCC) – E2 ID #: 2561 (Dewdney Terminal)

Note: In order to meet the Environment Canada and Climate Change Training and Simulation Exercise Requirements SOR/2019-51 – Section 7(1) (a) (b), Table Top Exercises must be performed annually for all E2 registered sites, including a more extensive simulation exercise every five years. Refer to the Training Section of this document for additional information.

Location

[REDACTED]

Directions and Access

[REDACTED]

Environment and Climate Change Canada (ECCC) Regulated Substances

Substances listed below meet the ECCC threshold for registration and an Environmental Emergency Plan under the Canadian Environmental Protection Act. It is not a complete list of all storage at the facility.

Substance Details	Name	Butane	Propane
	ECCC Regulated Substance	Butane	Propane
	CAS #	106-97-8	74-98-6
	UN #	1011	1978
	ECCC Hazard Category	Explosive	Explosive
Quantity ¹	Cavern volumes	DEW #3 – 141,113 m ³ DEW #4 – 149,875 m ³	DEW #6 – 126,222 m ³ DEW #7 – 103,385 m ³
	Tank volumes	6002 - 134 m ³ 6003 - 113 m ³	6001 - 134 m ³ 6004 - 113 m ³
	Maximum Expected Quantity	175,148.73 tonnes (291,235 m ³)	133,775.03 tonnes (229,854 m ³)
	Single Largest Container Capacity	90,134.83 tonnes (149,875 m ³)	73,461.20 tonnes (126,222 m ³)
E2 EPZ (m)		208	179
E2 Worst Case Zone (m)		2300	1900

Notes:

- E2 Worst Case Zone: is the zone based on the full release of the Maximum Expected Quantity of the substance. This is considered the worst case scenario.
- E2 EPZ (E2 Emergency Planning Zone): is the zone based on a more likely to occur scenario which includes a partial release of the substance. This is considered the alternate case scenario.
- The E2 EPZ is the zone used to define where Public Communication should take place prior to an Environmental Emergency.
- Additional information regarding the scenarios and modelling methodology can be found on the back of the Substance Specific Properties & Emergency Management pages located in the attachments.
- Refer to the 2020 Emergency Response Guidebook (ERG) or App for additional information on Initial Isolation and Protective Action Distances for spills and fire safety based on substance: <https://www.tc.gc.ca/eng/canutec/emergency-response-guidebook.html>

¹Maximum expected quantity and largest container capacity in m³ for Butane and Propane was calculated using the maximum expected quantity and largest container capacity in tonnes and the density of the pure substance (Propane).

Characteristics of the Facility and the Surrounding Area

ECCC Sensitive Receptors	Inside the E2 EPZ	Notes
Child care and educational facility(ies)	No	
Health care facility(ies)	No	
Senior citizen's and long-term facility(ies)	No	
Residential building(s)	No	
Commercial building(s) (e.g. shopping malls, restaurants)	No	
Fire station(s)	No	
Industrial building(s)	Yes	There is a Plains Midstream oil and gas related facility inside the E2 EPZ
Highway(s)	No	
Railway station(s)	Yes	The Canadian National Railway and Canadian Pacific Railway runs through the EPZ.
Bus station(s)	No	
Airport(s)	No	
Groundwater well(s) or intake(s) to drinking water systems	No	
Water body (ies) (e.g. rivers, lakes, and oceans)	No	
Park(s) or forest(s)	No	
Fish and wildlife habitat area(s)	No	
Other(s) (e.g. campgrounds, etc.)	No	

Response Considerations

Response Considerations	Notes
Cities/Towns/Villages	The Dewdney Terminal falls inside the City of Regina boundaries
First Nations Reserves	No, Sakimay I.R. 74-6 Reserve is outside the EPZ but inside the map boundaries (impacted by the E2 Worst Case Zone).
Communication Considerations	<ul style="list-style-type: none"> • Personnel working in the EPZ that would be difficult to notify / contact in the event of an emergency • Areas without cell reception
Access Considerations	<ul style="list-style-type: none"> • Personnel working in the area that would have no egress in the event of an emergency • Roadblocks that someone would have to pass through the hazard area to get to • Winter roads • Roads that are impassible in certain weather

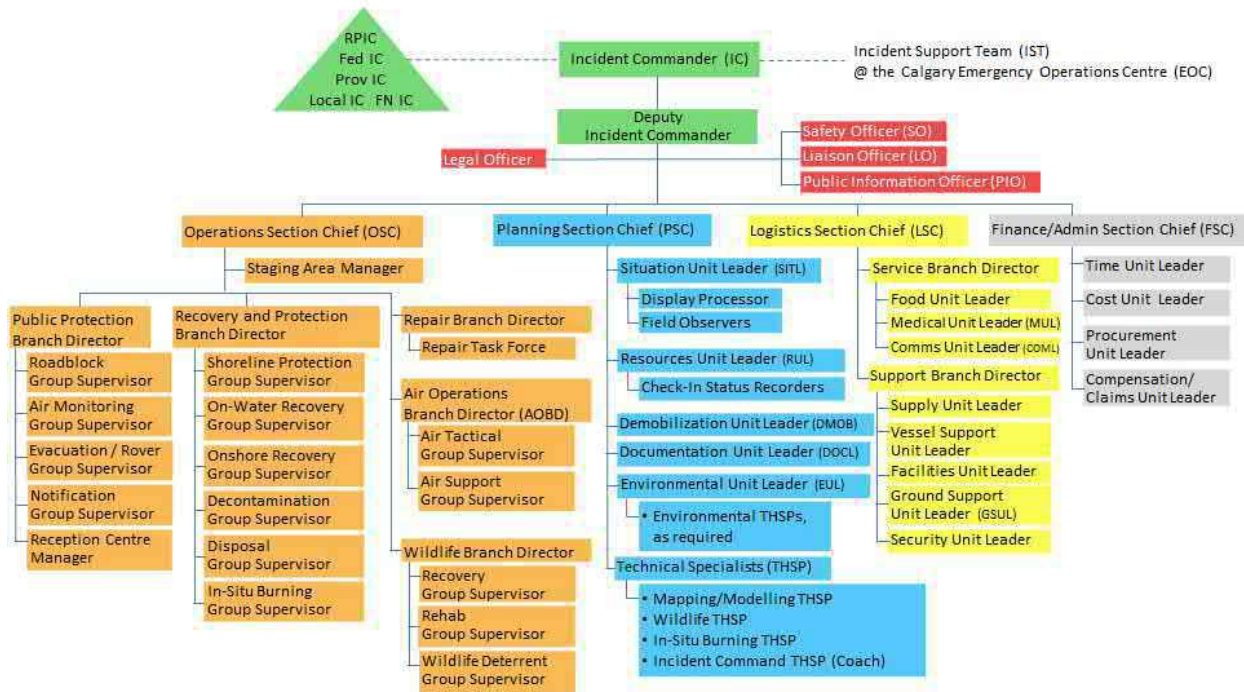
Please refer to the Facility Map for additional details.

Roles & Responsibilities

For Position Titles and Roles & Responsibilities, refer to *Section 2: Roles & Responsibilities* in the Corporate ERP.

Training

Response personnel that could potentially fill the roles and may be involved in the training are identified in the IMT Organizational Chart included below. PMC will fill appropriate roles based on specific incident requirements.



To meet E2 requirements for a simulation exercise:

- One substance from each hazard category must be exercised.
- The environmental emergency scenarios must be cycled through (a different one each year).

For full training requirements, refer to *Section 7.1: Concordance Table, Sub-Section 7.1.3: Environmental Emergency Regulations (SOR/2019-51)* and *Section 7.2: Training Requirements* located in the Corporate ERP.

Public Communication

Plains Midstream Canada has created a Public Information Handout (PIH) to discuss the following:

- the possibility that the environmental emergency could occur,
- the potential effects of the environmental emergency on the environment and on human life or health, taking into account the substance, the activity the substance is used, and the facility and surrounding area features.
- the measures that will be taken to protect the environment and human life or health
- the means of communications in the event that the environmental emergency occurs

The PIH was provided to any surface developments within the E2 EPZ as well as mailed out to Area Users (Oil and Gas Operators, Railways, Trapper, Guides & Outfitters, Grazing Leases, and Forestry Management Units). Emergency contact information was gathered for the surface developments within the E2 EPZ and has been included within this plan.

Plains Midstream's Public Safety Group Supervisor (or delegate) would be responsible for communicating with members of the public who may be adversely affected by an environmental emergency, during and after the emergency, with information and guidance concerning the actions that could be taken to reduce the potential harm to the environment and danger to human life or health, including an explanation of how those actions may help to reduce the harm or danger.

Related information can be found in the Corporate ERP in the following sections:

- *Section 2: Roles & Responsibilities*
- *Section 5: Communications & Media*

Local Authority Communication

Plains Midstream Canada consulted with the local authority in the development of the Emergency Response Plan (ERP) regarding their roles & responsibilities in the event of an emergency. A copy of this is included in *Section 8: Government Agencies and Local Authorities* of this ERP.

The local authority, RCMP and local fire departments were provided with a copy of:

- the Public Information Pamphlet (PIH).
- the Environmental Emergency Plan.

Facility Map and Plot Plan

For Facility Map - Please refer to the back of the 11x17 site section.

For Plot Plan – Please refer to *Section 9.5 Maps and Plot Plans* of this ERP.

Facility Site Section (11x17 Insert)

Refer to the Facility Site Section for the following:

- Operations Summary – the commercial, manufacturing, processing or other activity involving the substance that takes place at the facility.
- Phone List

Substance Specific Properties & Emergency Management

Page(s) specific to the substances stored at the facility are included as an attachment.

These pages include:

- Properties and Characteristics of the substance
- The identification of what environmental emergencies could occur and the potential harm
- Preventative, Preparedness, Response and Recovery actions that could potentially be taken

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PMC CORPORATE CONTACTS

Table with 3 columns: Name, Title, Number. All cells are redacted with black bars.

Note: Refer to the PPTC Section 9.0 Overview, Sub-Section 9.4.2 Internal Emergency Telephone Numbers and 9.4.3 Local Responders for additional PMC contact information.

LOCAL RESPONDERS

Table with 3 columns: Name, Title, Number. All cells are redacted with black bars.

OPERATIONS OVERVIEW

The Dewdney Terminal is located at 07-29-17-20 W2M, with the jurisdictional boundaries of the City of Regina, Saskatchewan. The terminal is tied into PPTC Pipeline Section 4.

Table with 3 columns: Name, Title, Number. All cells are redacted with black bars.

- The Dewdney Terminal has the following assigned facility on-site storage Emergency Planning Zones:
• Butane 208m (E2 EPZ) and 2300m (E2 Worst Case Zone)
• Propane 179m (E2 EPZ) and 1900m (E2 Worst Case Zone)

Note: The E2 EPZ is the zone based on a more likely to occur scenario which includes a partial release of the substance. The E2 EPZ is the zone used to define where Public Communication should take place prior to an Environmental Emergency.

E2 Worst Case Zone is the zone based on the full release of the Maximum Expected Quantity of the substance. This is considered the worst case scenario.

LEAD AGENCIES

Note: All numbers, unless otherwise indicated, are 24 hours.

Table with 2 columns: Agency Name, Phone Number. Includes Sask. Ministry of Energy and Resources (ER), Sask. Ministry of Environment, Spill Report Line, and Saskatchewan Public Safety Agency (SPSA).

LOCAL AUTHORITIES

Note: All numbers, unless otherwise indicated, are 24 hours.

Table with 2 columns: Authority Name, Phone Number. Includes City of Regina and Rural Municipality of Sherwood No. 159.

OTHER ORGANIZATIONS

Table with 2 columns: Organization Name, Phone Number. Includes Poison Control Centre, Sask 1st Call, and CHEMTREC.

Note: PMC also has a contract in place with CHEMTREC, a 24/7/365 emergency call center that provides immediate information and assistance in the event of a chemical or hazardous material incident related to the transportation of dangerous goods.

SUPPORTING AGENCIES

Note: All numbers, unless otherwise indicated, are 24 hours.

Table with 2 columns: Agency Name, Phone Number. Includes Emergency Response Assistance Canada (ERAC), Saskatchewan Labour Relations and Workplace Safety, Technical Safety Authority of Saskatchewan (TSASK), Saskatchewan Ministry of Environment - Cypress Hills Region, Wildfire Branch, Saskatchewan Ministry of Environment, Saskatchewan Ministry of Highways, Saskatchewan Health Authority (SHA), Saskatchewan Ministry of Health, Sask. Workers' Compensation Board (WCB), Saskatchewan Water Agency (WSA), CANUTEC (1-888-CAN-UTEC), Department of Fisheries and Oceans Canada (DFO), and Transport Canada—Ottawa Situation Centre.

FIRST RESPONDERS

Note: All numbers, unless otherwise indicated, are 24 hours.

Table with 2 columns: Agency Name, Phone Number. Includes Ambulance/Fire/Police, Fire Departments, Local RCMP/Local Police, and Hospitals.

SAFETY EQUIPMENT

All response equipment required during an emergency will be provided by local safety companies, refer to Section 9.0 Overview, 9.6: Support Services within the PPTC Pipeline ERP.

Table with 2 columns: Equipment Type, Location. Categories include General Equipment, Vehicle Equipment, and Other Equipment. All cells are redacted with black bars.

SUPPORT SERVICES

Aviation Support

Note: All aircraft requesting use of the PMC 6 Plant landing strip must consult the Canadian Flight Supplement for protocol: http://www.ivao.ca/charts/cfs. Contact the PMC Empress 6 Plant Control Room (403-838-8338) for use of the airfield located at the PMC Facility.

Table with 2 columns: Company Name, Phone Number. Includes Canadian Helicopters Ltd., Blue Sky Air Ltd., Brandon Flight Centre, Construction Companies (DTD Oilfield Services Ltd., Gee Bee Construction Ltd., etc.), and Electrical Service Companies.

Electrical Service Companies

Table with 2 columns: Company Name, Phone Number. Includes Jebb RT Electric Ltd., Estevan Meter Services, and PTW Energy Services.

Environmental Service and Spill Response

Table with 2 columns: Company Name, Phone Number. Includes Clean Harbors Canada Inc., Golder Associates, Nichols Environmental, etc.

Firefighting (Oilfield)

Table with 2 columns: Company Name, Phone Number. Includes Firemaster Oilfield Services Inc., HSE Integrated Ltd., and Safety Boss Inc.

Hotels/Motels

Table with 2 columns: Hotel Name, Phone Number. Includes Burstall Motel, Days Inn - Swift Current, Heritage Inn Hotel & Convention Centres Moose Jaw, etc.

Mobile Air Monitoring Services

Table with 2 columns: Company Name, Phone Number. Includes Firemaster Oilfield Services, Safety Boss, Total Safety Inc., etc.

Pumping Companies

Table with 2 columns: Company Name, Phone Number. Includes Doug's Vacuum Truck Service Ltd., Badger Daylighting (Hydro-Vac), Premier Oilfield Services Ltd., etc.

Safety Services

Table with 2 columns: Company Name, Phone Number. Includes Firemaster Oilfield Services Inc., HSE Integrated Ltd., Safety Boss Inc., Trojan Safety Services Ltd.

Trucking Companies

Table with 2 columns: Company Name, Phone Number. Includes Badger Daylighting Ltd., Crushrite Concrete, Day Break Transport Ltd., etc.

**DEWDNEY TERMINAL
PPTC PIPELINE SYSTEM**

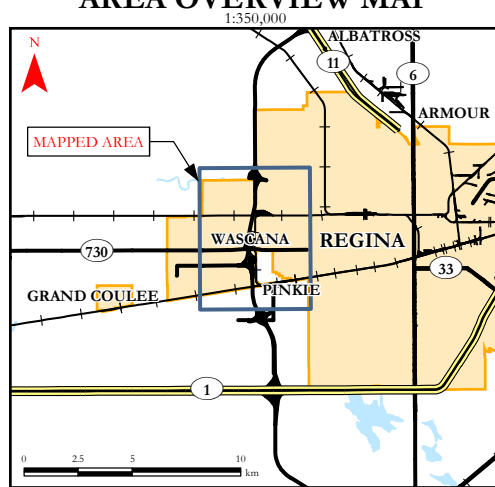


Draft Date: June 27, 2019 DS Scale: 1:20,000 Map: 8806

Revision Date: June 16, 2022 FSC UTM ZONE 13 NAD83



AREA OVERVIEW MAP



- | | | |
|--|-----------------------|----------------------|
| * Suspended Gas Well | ----- Other Roads | Hydrology |
| Injection Well | ----- Street | Waterbody |
| Third Party Facility | — Main Hwy | Urban Area |
| Facility | == Divided Hwy | ER Field Centre |
| Facility_Boundary | —+— Railway | Health Authority |
| HOV/MOV | ■ Occupied Facility | Local Authority |
| Manual | ■ Surface Development | RCMP |
| — Third Party Pipeline | ≡ Bridge | WCSS COOP |
| — Oil Pipeline | ◆ Dead End | E2 EPZ |
| - - - - Discontinued Misc. Fluids Pipeline | × Locked Gate | E2 Worst Case Zone |
| | ⊗ Rail Crossing | Other PMC System EPZ |

Physical Properties

Chemical Formula	C4H10
Flash Point	24.4 ° C
Boiling Point	- 0.5 ° C
Lower Explosive Limit (LEL)	1.9%
Upper Explosive Limit (LEL)	8.5%
Autoignition Temperature	287.8 ° C
Vapor Density (Air = 1)	2.046
Water Solubility	61 mg/L
IDLH	Not Available

General Description

Butane is a colorless gas with a faint petroleum-like odor.

For transportation it may be stented. It is shipped as a liquefied gas under its vapor pressure.

Contact with the liquid can cause frostbite.

It is easily ignited. Its vapors are heavier than air. Any leak can be either liquid or vapor.

Under prolonged exposure to fire or intense heat the containers may rupture violently and rocket. It is used as a fuel, an aerosol propellant, in cigarette lighters, and to make other chemicals.

NFPA Diamond	Hazard	Rating	Description
	Health	Slightly Hazardous	Can cause significant irritation.
	Flammability	Flash Point below 73 °F	Burns readily. Rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature.
	Instability	Stable	Normally stable, even under fire conditions.
	Special		

Information on this page is from CAMEO Chemicals and the Transport Canada Emergency Response Guide

ECCC Hazard Category

E

EXPLOSION

CAS # 106-97-8

UN # 1011

TC ERG Guide # 115

POTENTIAL HAZARDS

FIRE OR EXPLOSION

• EXTREMELY FLAMMABLE.

- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.
- Ruptured cylinders may rocket.



HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.



PUBLIC SAFETY

- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).



PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

PUBLIC SAFETY

EVACUATION

Large spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED

Small Fire

- Dry chemical or CO₂.

Large Fire

- Water spray or fog.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.



EMERGENCY RESPONSE

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.

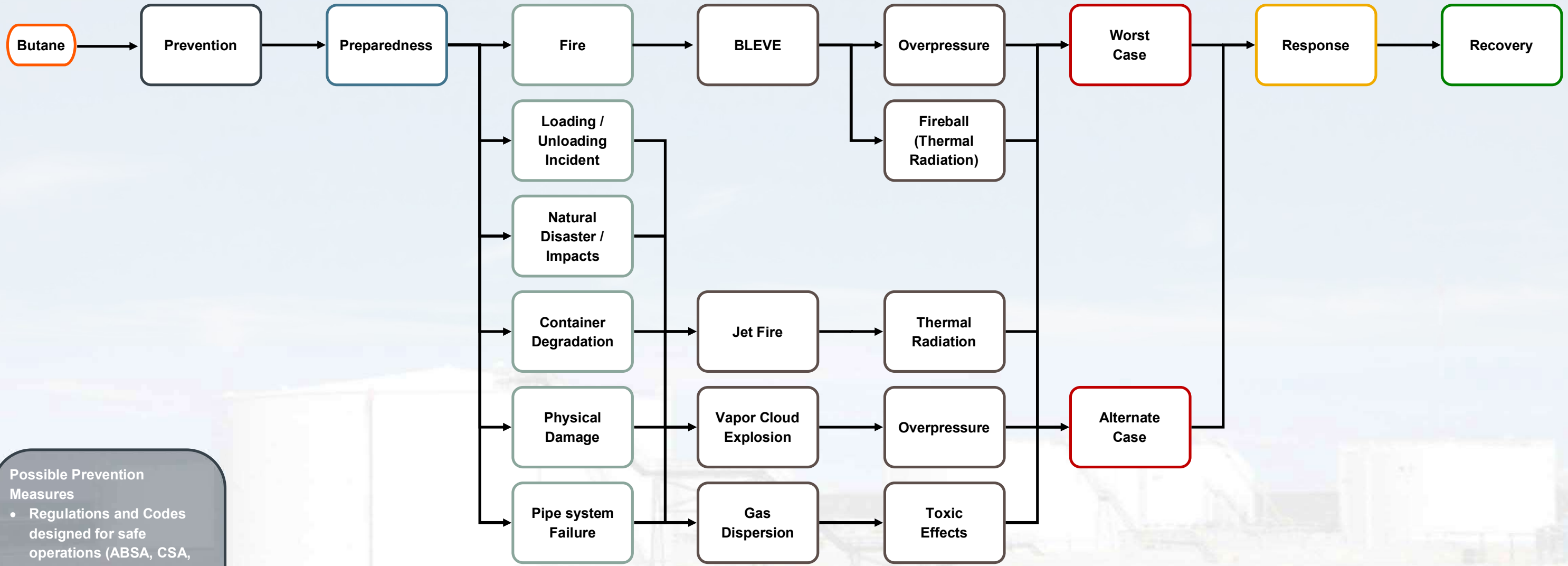
CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.



Butane



- Possible Prevention Measures**
- Regulations and Codes designed for safe operations (ABSA, CSA, ASME, ANSI, NFPA)
 - Emergency Shutdown Valves (ESD's)
 - Pressure Safety Valve (PSV)
 - Excess Flow Valve
 - Breakaway Couplings
 - Discharge to Flare
 - Gas Detection
 - Fire Eyes
 - Maintenance Program
 - Physical Barriers
 - Site Security
 - Driver Competency Program
 - SOP's for loading and unloading
 - Signage and Labels

- Possible Preparedness Measures**
- Emergency Response Plan (ERP)
 - Training and Exercises
 - Keeping Response equipment on-site and in good order
 - Audits of the Incident Command Post (ICP)
 - Incident Command System (ICS) Certification
 - Response Software

- Possible Harm to the Environment**
- Wildfire / Forest Fire
 - Air Emissions
 - Permanent loss of plants and animals
 - Permanent Disability
 - Contaminating water and/or land
 - Cascading effects leading to the release of a toxic substance

- Possible Danger to Human Health**
- Fatality
 - Permanent Disability
 - Lost Time Injury
 - First Aid
 - Cascading effects leading to the release of a toxic substance

- Possible Response Actions**
- Evacuate
 - Alarm
 - Call 911 (if required)
 - Assess
 - Protect
 - Rescue
 - First Aid
 - Medical Aid
 - Initiate ERP

- Possible Recovery Actions**
- Incident Investigation
 - Root Cause Analysis
 - Environmental cleanup and remediation
 - Facility repair and equipment replacement
 - Review and revise equipment and processes at other locations
 - Share learnings

Physical Properties

Chemical Formula	C3H8
Flash Point	-104 ° C
Boiling Point	-42.1 ° C
Lower Explosive Limit (LEL)	2.1%
Upper Explosive Limit (LEL)	9.5%
Autoignition Temperature	450 ° C
Vapor Density (Air = 1)	1.5
Water Solubility	0.01%
IDLH	2100 ppm

General Description

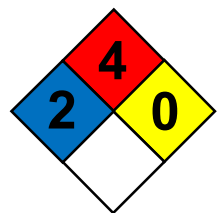
A colorless gas with a faint petroleum-like odor. It is shipped as a liquefied gas under its vapor pressure. For transportation it may be stenciled.

Contact with the unconfined liquid can cause frostbite by evaporative cooling.

Easily ignited. The vapors are heavier than air and a flame can flash back to the source of leak very easily. The leak may be either a liquid or vapor leak.

The vapors can asphyxiate by the displacement of air.

Under prolonged exposure to fire or heat the containers may rupture violently and rocket.

NFPA Diamond	Hazard	Rating	Description
	Health	Hazardous	Can cause temporary incapacitation or residual injury.
	Flammability	Flash Point below 73 °F	Burns readily. Rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature.
	Instability	Stable	Normally stable, even under fire conditions.
	Special		

Information on this page is from CAMEO Chemicals and the Transport Canada Emergency Response Guide

ECCC Hazard Category

E

EXPLOSION

CAS # 74-98-6

UN # 1075

TC ERG Guide # 115

POTENTIAL HAZARDS

FIRE OR EXPLOSION

• EXTREMELY FLAMMABLE.

- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.
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Small Fire

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- Water spray or fog.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
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- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
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- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.

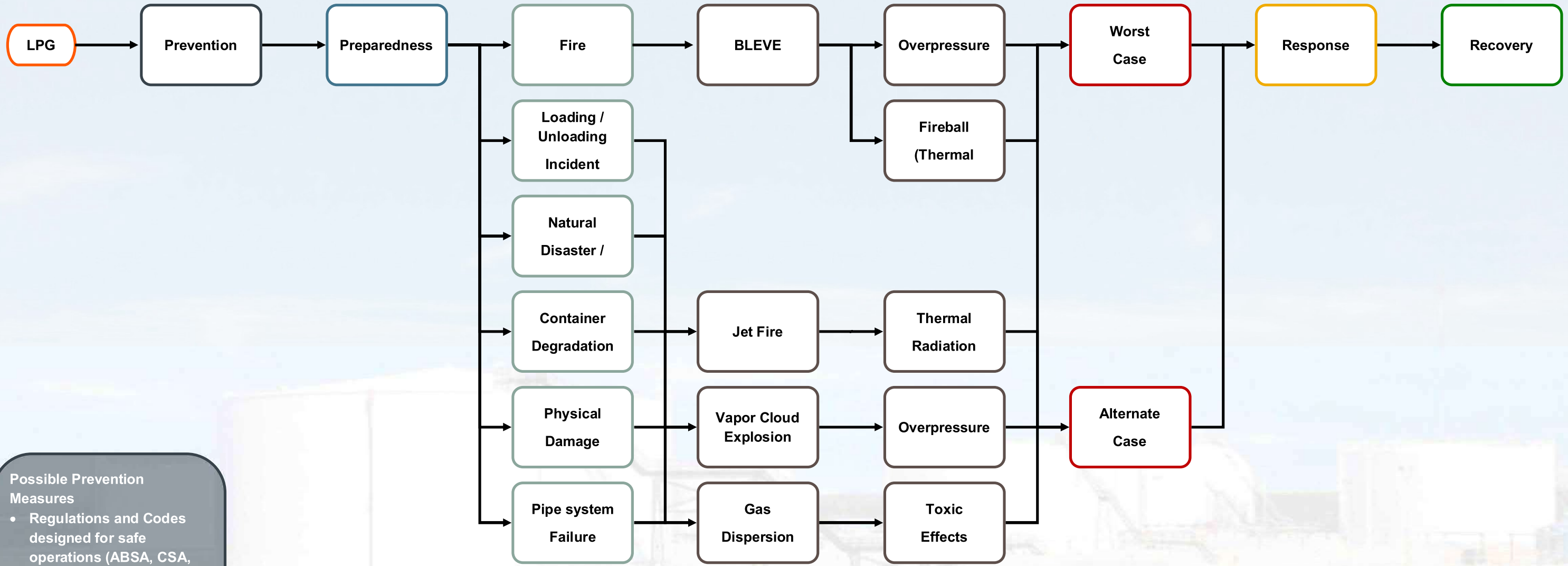
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- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.



Propane



- Possible Prevention Measures**
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 - Emergency Shutdown Valves (ESD's)
 - Pressure Safety Valve (PSV)
 - Excess Flow Valve
 - Breakaway Couplings
 - Discharge to Flare
 - Gas Detection
 - Fire Eyes
 - Maintenance Program
 - Physical Barriers
 - Site Security
 - Driver Competency Program
 - SOP's for loading and unloading
 - Signage and Labels

- Possible Preparedness Measures**
- Emergency Response Plan (ERP)
 - Training and Exercises
 - Keeping Response equipment on-site and in good order
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 - Response Software

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- Wildfire / Forest Fire
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 - Permanent loss of plants and animals
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- Fatality
 - Permanent Disability
 - Lost Time Injury
 - First Aid
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- Evacuate
 - Alarm
 - Call 911 (if required)
 - Assess
 - Protect
 - Rescue
 - First Aid
 - Medical Aid
 - Initiate ERP

- Possible Recovery Actions**
- Incident Investigation
 - Root Cause Analysis
 - Environmental cleanup and remediation
 - Facility repair and equipment replacement
 - Review and revise equipment and processes at other locations
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SECTION 9: Pipeline Section 5 (From 406 km to 506.2 km)

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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.

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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
[REDACTED]			
<i>NOTE: PPTC Remote Operated Valve No 406B (Regina Terminal).</i>			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			



PPTC Pipeline Emergency Response Plan – Pipeline Section 5
 From 406 km (ROV 406 – Richardson Terminal) to 506.2 km (ROV/MLV 506)

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]			
[REDACTED]	[REDACTED]		
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]			
			[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Glenavon Community Hall	403 – 1 st Ave N	[REDACTED]	[REDACTED]	[REDACTED]
Kronau Curling Rink	Box 124 Kronau, SK	[REDACTED]	[REDACTED]	[REDACTED]
Kronau Memorial Hall	Box 144 Kronau, SK	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Alberta are managed by the provincial government under Alberta Health Services (AHS).</i>		
Volunteer Fire Departments	Provincial	911 Local Dispatch 306-953-4284
Balgonie Fire Department	Balgonie, SK	Fire Chief 306-501-8002
Pilot Butte Fire Department	Pilot Butte, SK	Fire Chief 306-527-7582
White City Fire Department	White City, SK	Fire Chief 306-537-3181
Kronau Fire Department, K.A.D.E.R.	Kronau, SK	Fire Chief 306-536-7089
Francis Fire Department	Francis, SK	Fire Chief 306-861-5980
Vibank Fire Department	Vibank, SK	Fire Chief 306-531-7977
Odessa Fire Department	Odessa, SK	Fire Chief 306-957-2047
Sedley Fire Department	Sedley, SK	Fire Chief 306-535-5106
Montmartre Fire Department	Montmartre, SK	Fire Chief 306-537-3154
Wolseley Fire Department	Wolseley, SK	Fire Chief 306-698-7744
Glenavon District Fire Department	Glenavon, SK	Fire Chief 306-736-8031
Village of Edenwold Fire Department	Edenwold, SK	Fire Chief 306-771-4121
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Broadview RCMP	Broadview, SK	306-696-5200
Indian Head RCMP	Indian Head, SK	306-695-5200

Agency	Location	Telephone Number
Milestone RCMP	Milestone, SK	306-436-6250
White Butte	Emerald Park, SK	306-781-5050
Hospitals	Provincial	911
Regina General Hospital	Regina, SK	306-766-4444
Indian Head Union Hospital	Indian Head, SK	306-695-4000
Broadview Hospital	Broadview, SK	306-696-5500

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line	Ottawa, ON	1-819-997-7887
Note: First lead agency call to be made		
24-Hour CER Incident Cellular Telephone	Calgary, AB	403-299-2773
Note: If unable to reach the TSB Hot Line, call this contact		

SASKATCHEWAN

Note: If an emergency occurs in Saskatchewan at this CER-regulated operation, PMC will initiate a courtesy notification to the Saskatchewan Ministry of Energy and Resources (ER) and also notify the Saskatchewan Public Safety Agency (SPSA), the Saskatchewan Ministry of Environment, Spill Report Line and the impacted Rural Municipality.

Agency	Location	Telephone Number
Saskatchewan Ministry of Energy and Resources (ER)		
Estevan Field Office 24-Hour Emergency	Estevan, SK	306-637-4541
Saskatchewan Public Safety Agency (SPSA)		
24-Hour Emergency	Regina, SK	306-787-9563

Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

SASKATCHEWAN

Agency	Location	Telephone Number
Rural Municipality of Chester No. 125 Office (Daytime only)	Glenavon, SK	306-429-2110
Rural Municipality of Edenwold No. 158 Office (Daytime only)	Emerald Park, SK	306-771-2522
Rural Municipality of Francis No. 127 Office (Daytime only)	Francis, SK	306-520-8645
Rural Municipality of Lajord No. 128 Office (Daytime only)	Lajord, SK	306-781-2744
Rural Municipality of Montmartre No. 126 Office (Daytime only)	Montmartre, SK	306-424-2040
Rural Municipality of Wolseley No. 155 Office (Daytime only)	Wolseley, SK	306-698-2522

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Saskatchewan Ministry of Energy and Resources (ER), Saskatchewan Ministry of Environment and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Saskatchewan Ministry of Environment, Spill Report Line	Saskatchewan-wide	1-800-667-7525

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

SASKATCHEWAN

Agency	Location	Telephone Number
Saskatchewan Labour Relations and Workplace Safety		
24-Hour Emergency	Saskatchewan-only	1-800-567-7233
Office (Daytime only)	Saskatoon, SK	306-787-4481
Technical Safety Authority of Saskatchewan (TSASK) - Boiler and Pressure Vessel Safety		
Office (Daytime only)	Regina, SK	866-530-8599 306-798-7111
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Environment - Compliance and Field Services Fish and Wildlife Division		
24-Hour Emergency	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Highways		
24-Hour Emergency	Saskatchewan-wide	1-888-335-7623
Saskatchewan Health Authority (SHA)		
<i>Note: Refer to the Emergency Response Planning Map for jurisdiction</i>		
Program Director On-Call	Saskatoon, SK	1-833-665-7999
Saskatchewan Ministry of Health		
Emergency Management Unit	Saskatchewan-wide	306-519-8570
Saskatchewan Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Saskatchewan-wide	1-800-667-7590
Saskatchewan Water Agency (WSA)		
Office (Daytime only)	Moose Jaw, SK	306-694-3900
Spill Reporting Line	Moose Jaw, SK	1-844-536-9494

9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Location
General Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
Vehicle Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

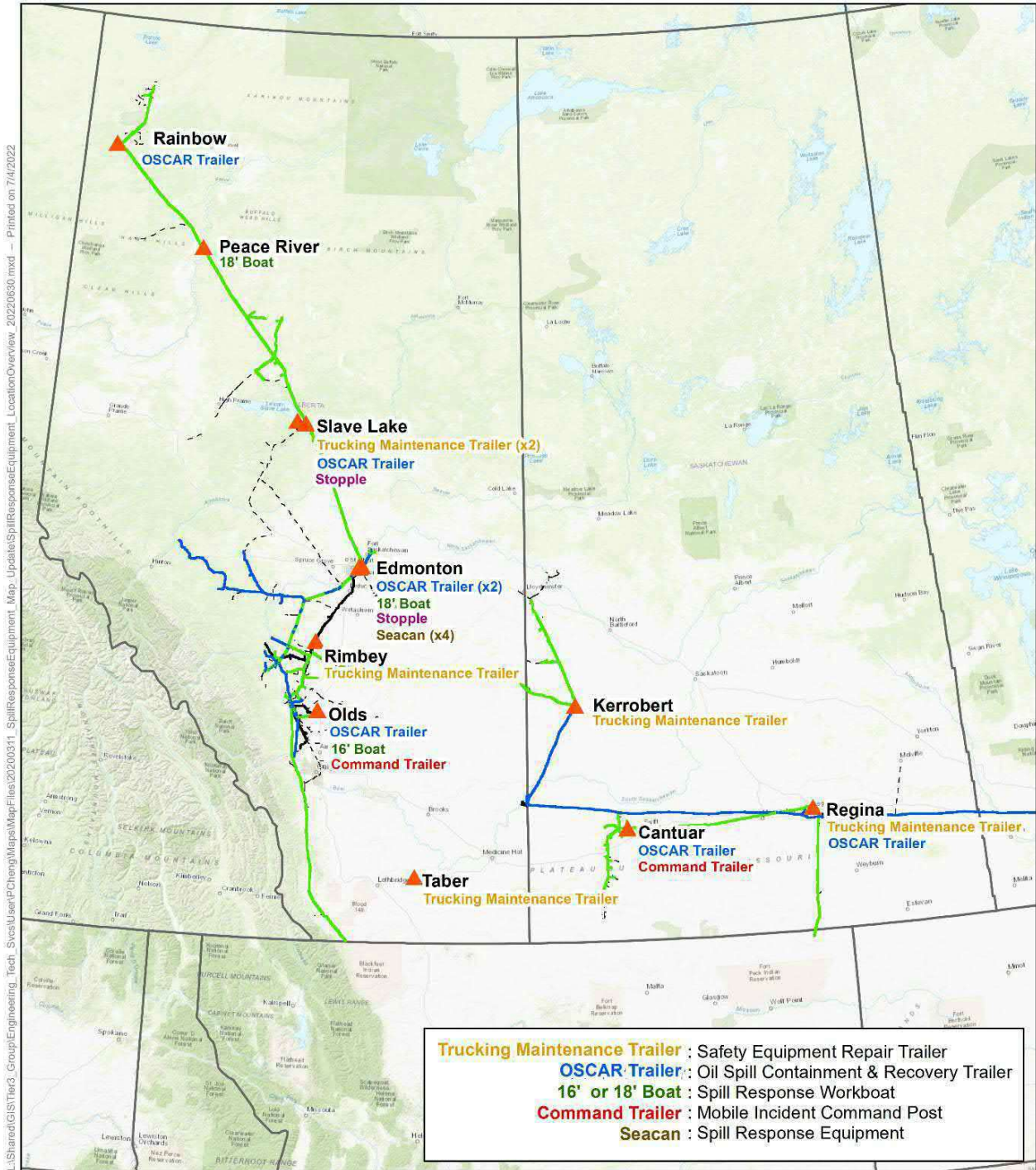

- Steel-toe boots
- Hard hats
- Gloves
- Fire retardant work wear with reflective striping
- Safety glasses
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment

DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product**
- HVP-NGL
- LVP
- - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
 June 2022**

0 50 100 200 300 400 Kilometers



N

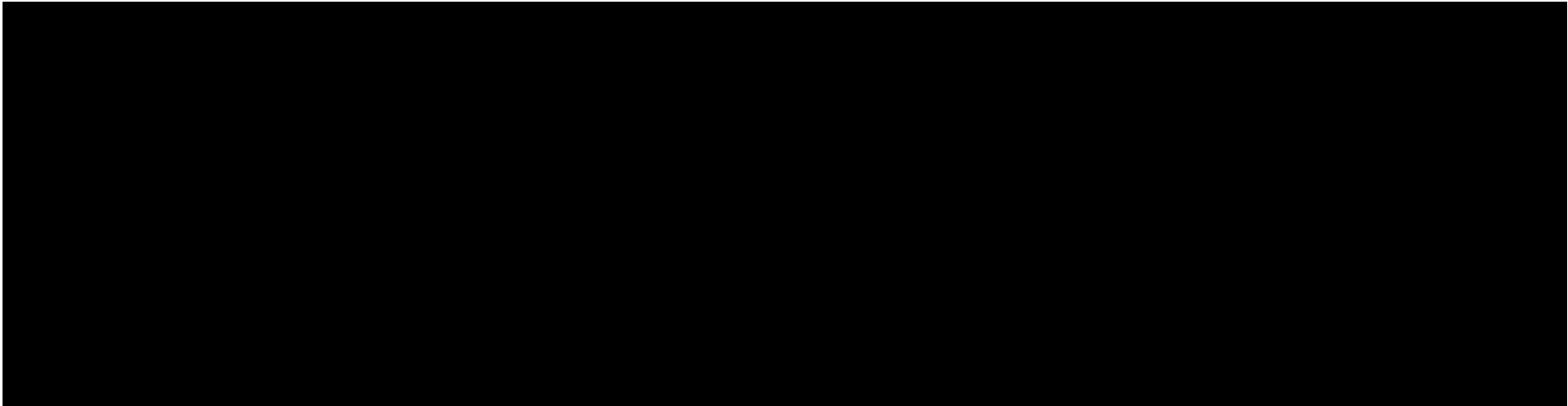


Plains Midstream Canada 1420 - 607 - 8th Ave SW Calgary, AB T2P 0A7 +1 (403) 298-2100	Coordinate System: NAD 1983 UTM Zone 12N		TEAM: GIS	000-MAP-0000-0000	
			CREATE: TBD	TBD	
			MODIFY: jmmeters	04 Jul 2022	Rev A
			CHECK: TBD	TBD	Figure 1
		APPROVE: TBD	TBD		

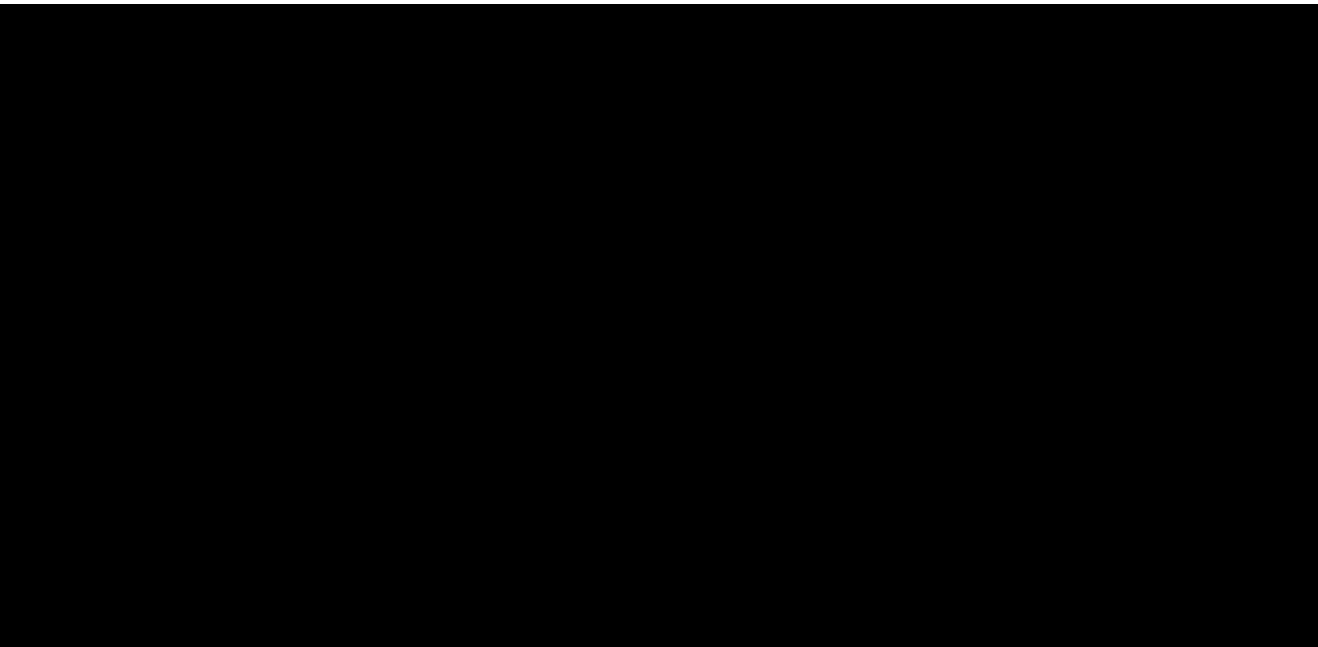
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9.4 Technical Data

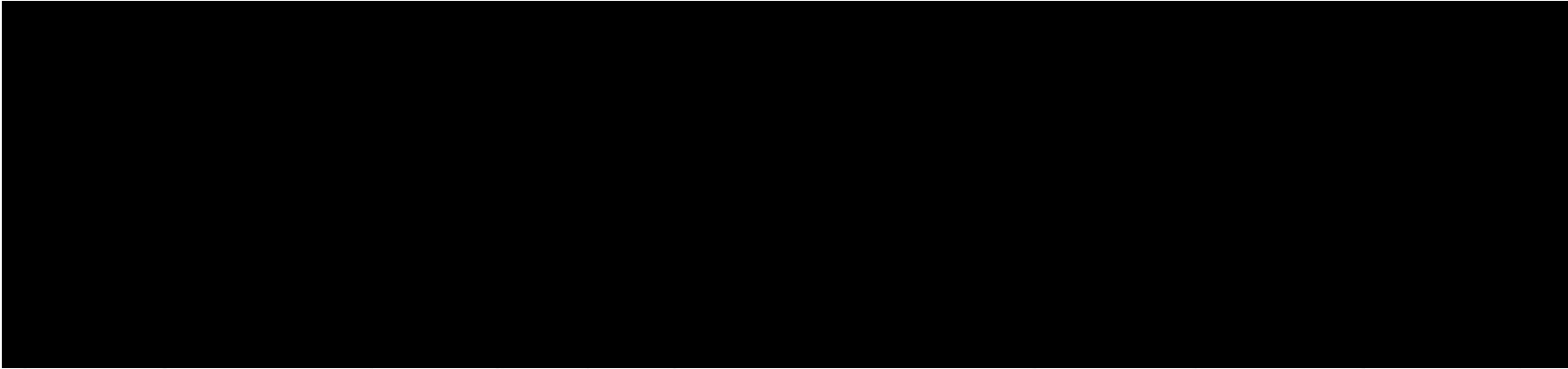
9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities



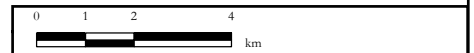
PIPELINE SECTION 5
 FROM 406km (ROV 406 - Richardson Terminal/Trap Site)
 TO 506.2km (ROV/MLV 506 - Grenfell Pump Station)
 MAP 1 of 2



Draft Date: June 3, 2019 DS Scale: 1:160,000 Map: 8795
 Revision Date: August 5, 2022 TS UTM ZONE 13 NAD83



- | | | | | |
|------------------------------------|-------------|---------------------|---------------------|-----------------------|
| Third Party Well | Other Roads | Occupied | Abandoned | Hydrology |
| Injection Well | Main Hwy | Sensitive | Bridge | Waterbody |
| Service Well | Divided Hwy | Occupied Facility | Communication Tower | First Nations Reserve |
| Third Party Facility | Trails | Surface Development | Dead End | Protected Area |
| HOV/MOV | Railway | | Farm Use Area | Urban Area |
| Manual | | | Locked Gate | ER Field Centre |
| Third Party Pipeline | | | Rail Crossing | Health Authority |
| Oil Pipeline | | | | Local Authority |
| Discontinued Misc. Fluids Pipeline | | | | RCMP |
| | | | | WCSS COOP |
| | | | | EPZ |
| | | | | E2 Zone |
| | | | | Egress EPZ |
| | | | | Other PMC System EPZ |



PIPELINE SECTION 5
 FROM 406km (ROV 406 - Richardson Terminal/Trap Site)
 TO 506.2km (ROV/MLV 506 - Grenfell Pump Station)
 MAP 2 of 2



Draft Date: June 3, 2019 DS Scale: 1:160,000 Map: 8796
 Revision Date: September 14, 2022 FSC UTM ZONE 13 NAD83



- | | | | | |
|----------------------|-------------|---------------------|---------------|-----------------------|
| Third Party Well | Other Roads | Occupied | Abandoned | Hydrology |
| Third Party Facility | Main Hwy | Sensitive | Dead End | Waterbody |
| HOV/MOV | Divided Hwy | Business | Farm Use Area | First Nations Reserve |
| Manual | Trails | Vacant | Gravel Pit | Urban Area |
| Third Party Pipeline | Railway | Hall | Locked Gate | ER Field Centre/NRND |
| Oil Pipeline | Airfield | Public Use | Rail Crossing | Health Authority |
| HVP Pipeline | | Occupied Facility | | Local Authority |
| | | Cemetery | | RCMP |
| | | Surface Development | | WCSS COOP |
| | | | | EPZ |
| | | | | Egress EPZ |





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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.

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SECTION 9.7: Environmental Emergency Plan **E2 ID #: 2631**

Overview 3

Location..... 3

Directions and Access 3

Environment and Climate Change Canada (ECCC) Regulated Substances 5

Characteristics of the Facility and the Surrounding Area 6

Response Considerations..... 7

Roles & Responsibilities 7

Training 8

Public Communication 9

Local Authority Communication 9

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Facility Site Section (11x17 Insert)..... 10

Substance Specific Properties & Emergency Management..... 10

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Overview

The on-site storage tanks located at the PMC Richardson Terminal are regulated under the *Canadian Environmental Protection Act, 1999* as the substances stored (Propane) are in excess of the threshold limits listed in Schedule 1. Therefore, an Environmental Emergency Plan (E2 Plan) has been prepared for the Richardson Terminal to meet *Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51*.

The Richardson Terminal is located at 07-22-16-18 W2M, approximately 15 km southeast of Regina, Saskatchewan. The terminal is a transition point between Pipeline Sections 4 and 5. Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

Regulatory agency E2 Registration Reference:

Environment and Climate Change Canada (ECCC) – E2 ID #: 2631 (Richardson Terminal)

Note: In order to meet the Environment Canada and Climate Change Training and Simulation Exercise Requirements SOR/2019-51 – Section 7(1) (a) (b), Table Top Exercises must be performed annually for all E2 registered sites, including a more extensive simulation exercise every five years. Refer to the Training Section of this document for additional information.

Location

[Redacted location information]

Directions and Access

[Redacted directions and access information]

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Environment and Climate Change Canada (ECCC) Regulated Substances

Substances listed below meet the ECCC threshold for registration and an Environmental Emergency Plan under the Canadian Environmental Protection Act. It is not a complete list of all storage at the facility.

Substance Details	Name	Propane
	ECCC Regulated Substance	Propane
	CAS #	74-98-6
	UN #	1978
	ECCC Hazard Category	Explosive
Quantity	Cavern volumes	RICH #1 – 133,012 m³ RICH #2 – 130,851 m³
	Tank volumes	HPT-401 - 342 m³
	Maximum Expected Quantity	153,767.31 tonnes (264,205 m³)
	Single Largest Container Capacity	77,412.98 tonnes (133,012 m³)
E2 EPZ (m)		147
E2 Worst Case Zone (m)		2300

Notes:

- E2 Worst Case Zone: is the zone based on the full release of the Maximum Expected Quantity of the substance. This is considered the worst case scenario.
- E2 EPZ (Emergency Planning Zone): is the zone based on a more likely to occur scenario which includes a partial release of the substance. This is considered the alternate case scenario.
- The E2 EPZ is the zone used to define where Public Communication should take place prior to an Environmental Emergency.
- Additional information regarding the scenarios and modelling methodology can be found on the back of the Substance Specific Properties & Emergency Management pages located in the attachments.
- Refer to the 2020 Emergency Response Guidebook (ERG) or App for additional information on Initial Isolation and Protective Action Distances for spills and fire safety based on substance: <https://www.tc.gc.ca/eng/canutec/emergency-response-guidebook.html>

Characteristics of the Facility and the Surrounding Area

ECCC Sensitive Receptors	Inside the E2 EPZ	Notes
Child care and educational facility(ies)	No	
Health care facility(ies)	No	
Senior citizen's and long-term facility(ies)	No	
Residential building(s)	No	
Commercial building(s) (e.g. shopping malls, restaurants)	No	
Fire station(s)	No	
Industrial building(s)	No	There is one Plains Midstream oil and gas facility inside the EPZ
Highway(s)	No	
Railway station(s)	Yes	The Stewart Southern Railway (SSR) runs through the EPZ
Bus station(s)	No	
Airport(s)	No	
Groundwater well(s) or intake(s) to drinking water systems	No	
Water body (ies) (e.g. rivers, lakes, and oceans)	No	
Park(s) or forest(s)	No	
Fish and wildlife habitat area(s)	No	
Other(s) (e.g. campgrounds, etc.)	No	

Response Considerations

Response Considerations	Notes
Cities/Towns/Villages	<ul style="list-style-type: none"> Regina is 15 km northwest of the Richardson Terminal
First Nations Reserves	<ul style="list-style-type: none"> N/A
Communication Considerations	<ul style="list-style-type: none"> Personnel working in the EPZ that would be difficult to notify / contact in the event of an emergency Areas without cell reception
Access Considerations	<ul style="list-style-type: none"> Personnel working in the area that would have no egress in the event of an emergency Roadblocks that someone would have to pass through the hazard area to get to Winter roads Roads that are impassible in certain weather

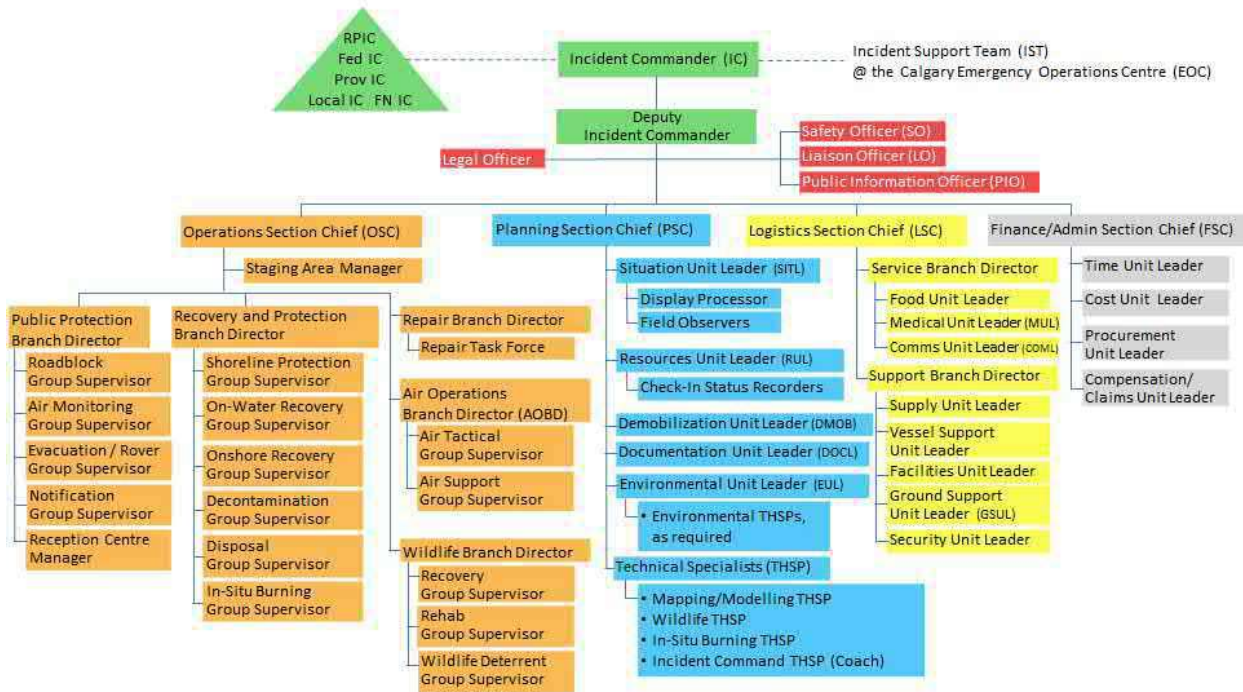
Please refer to the Facility Map for additional details.

Roles & Responsibilities

For Position Titles and Roles & Responsibilities, refer to *Section 2: Roles & Responsibilities* in the Corporate ERP.

Training

Response personnel that could potentially fill the roles and may be involved in the training are identified in the IMT Organizational Chart included below. PMC will fill appropriate roles based on specific incident requirements.



To meet E2 requirements for a simulation exercise:

- One substance from each hazard category must be exercised.
- The environmental emergency scenarios must be cycled through (a different one each year).

For full training requirements, refer to *Section 7.1: Concordance Table, Sub-Section 7.1.3: Environmental Emergency Regulations (SOR/2019-51)* and *Section 7.2: Training Requirements* located in the Corporate ERP.

Public Communication

Plains Midstream Canada has created a Public Information Handout (PIH) to discuss the following:

- the possibility that the environmental emergency could occur,
- the potential effects of the environmental emergency on the environment and on human life or health, taking into account the substance, the activity the substance is used, and the facility and surrounding area features.
- the measures that will be taken to protect the environment and human life or health
- the means of communications in the event that the environmental emergency occurs

The PIH was provided to any surface developments within the E2 EPZ as well as mailed out to Area Users (Oil and Gas Operators, Railways, Trapper, Guides & Outfitters, Grazing Leases, and Forestry Management Units). Emergency contact information was gathered for the surface developments within the E2 EPZ and has been included within this plan.

Plains Midstream's Public Safety Group Supervisor (or delegate) would be responsible for communicating with members of the public who may be adversely affected by an environmental emergency, during and after the emergency, with information and guidance concerning the actions that could be taken to reduce the potential harm to the environment and danger to human life or health, including an explanation of how those actions may help to reduce the harm or danger.

Related information can be found in the Corporate ERP in the following sections:

- *Section 2: Roles & Responsibilities*
- *Section 5: Communications & Media*

Local Authority Communication

Plains Midstream Canada consulted with the local authority in the development of the Emergency Response Plan (ERP) regarding their roles & responsibilities in the event of an emergency. A copy of this is included in *Section 8: Government Agencies and Local Authorities* of this ERP.

The local authority, RCMP and local fire departments were provided with a copy of:

- the Public Information Handout (PIH).
- the Environmental Emergency Plan.

Facility Map and Plot Plan

For Facility Map - Please refer to the back of the 11x17 site section.

For Plot Plan – Please refer to *Sub-Section: 9.5 2 Plot Plans* of this ERP.

Facility Site Section (11x17 Insert)

Refer to the Facility Site Section for the following:

- Operations Summary – the commercial, manufacturing, processing or other activity involving the substance that takes place at the facility.
- Phone List

Substance Specific Properties & Emergency Management

Page(s) specific to the substances stored at the facility are included as an attachment.

These pages include:

- Properties and Characteristics of the substance
- The identification of what environmental emergencies could occur and the potential harm
- Preventative, Preparedness, Response and Recovery actions that could potentially be taken

**RICHARDSON TERMINAL
PPTC PIPELINE SYSTEM**

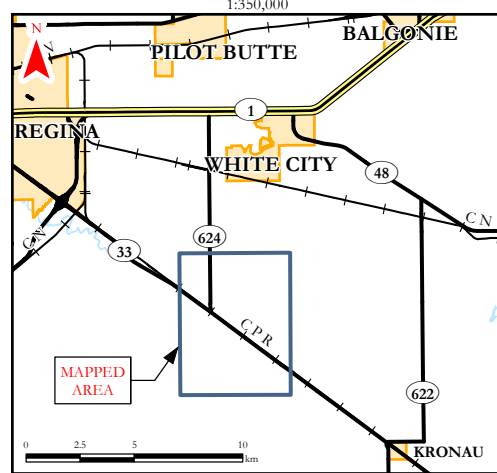


Draft Date: June 28, 2019 DS Scale: 1:20,000 Map: 8807

Revision Date: August 5, 2022 TS UTM ZONE 13 NAD83



AREA OVERVIEW MAP



- | | | |
|------------------------------------|---------------------|----------------------|
| Injection Well | Other Roads | Health Authority |
| Service Well | Main Hwy | ER Field Centre |
| Third Party Facility | Railway | Local Authority |
| Facility | Surface Development | RCMP |
| HOV/MOV | Abandoned | WCSS COOP |
| Manual | Farm Use Area | E2 EPZ |
| Third Party Pipeline | Locked Gate | E2 Worst Case Zone |
| Gas Pipeline | Rail Crossing | Other PMC System EPZ |
| Oil Pipeline | | |
| Discontinued Misc. Fluids Pipeline | | |

Physical Properties

Chemical Formula	C3H8
Flash Point	-104 ° C
Boiling Point	-42.1 ° C
Lower Explosive Limit (LEL)	2.1%
Upper Explosive Limit (LEL)	9.5%
Autoignition Temperature	450 ° C
Vapor Density (Air = 1)	1.5
Water Solubility	0.01%
IDLH	2100 ppm

General Description

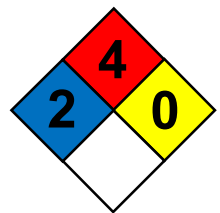
A colorless gas with a faint petroleum-like odor. It is shipped as a liquefied gas under its vapor pressure. For transportation it may be stenciled.

Contact with the unconfined liquid can cause frostbite by evaporative cooling.

Easily ignited. The vapors are heavier than air and a flame can flash back to the source of leak very easily. The leak may be either a liquid or vapor leak.

The vapors can asphyxiate by the displacement of air.

Under prolonged exposure to fire or heat the containers may rupture violently and rocket.

NFPA Diamond	Hazard	Rating	Description
	Health	Hazardous	Can cause temporary incapacitation or residual injury.
	Flammability	Flash Point below 73 °F	Burns readily. Rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature.
	Instability	Stable	Normally stable, even under fire conditions.
	Special		

Information on this page is from CAMEO Chemicals and the Transport Canada Emergency Response Guide

ECCC Hazard Category

E

EXPLOSION

CAS # 74-98-6

UN # 1075

TC ERG Guide # 115

POTENTIAL HAZARDS

FIRE OR EXPLOSION

• EXTREMELY FLAMMABLE.

- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.
- Ruptured cylinders may rocket.



HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.



PUBLIC SAFETY

- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).



PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

PUBLIC SAFETY

EVACUATION

Large spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED

Small Fire

- Dry chemical or CO₂.

Large Fire

- Water spray or fog.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.



EMERGENCY RESPONSE

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.

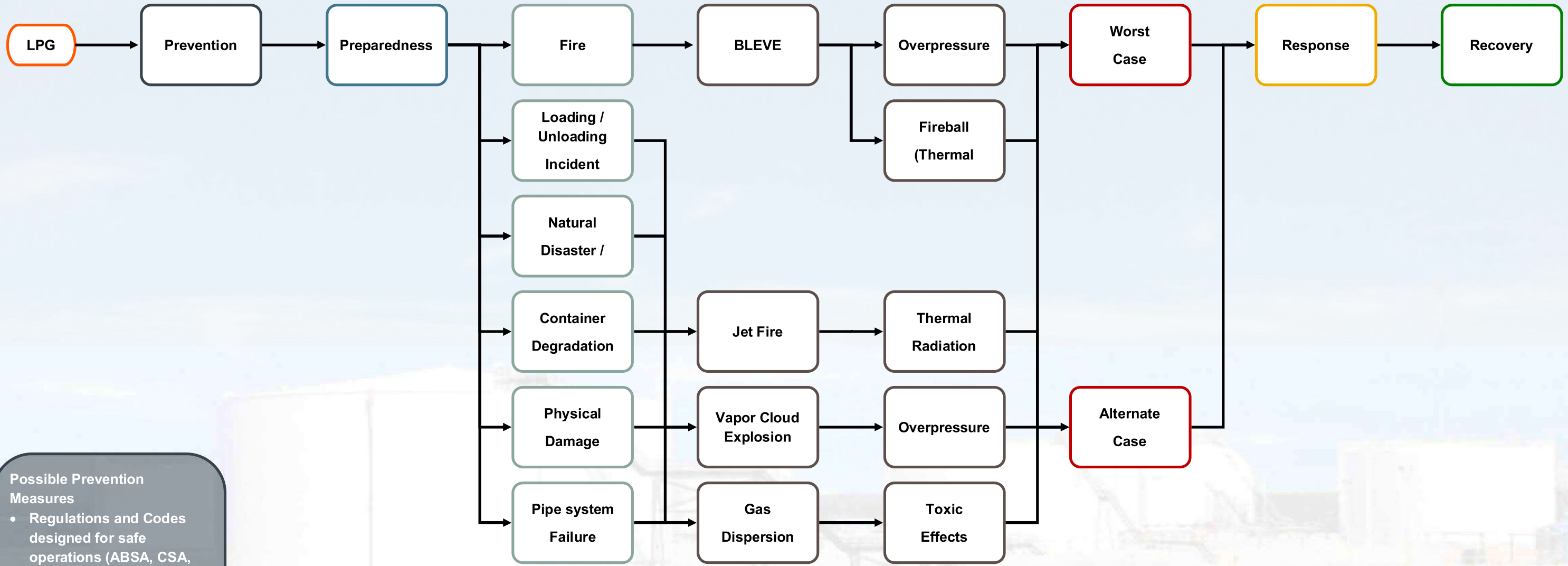
CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.



Propane



- Possible Prevention Measures**
- Regulations and Codes designed for safe operations (ABSA, CSA, ASME, ANSI, NFPA)
 - Emergency Shutdown Valves (ESD's)
 - Pressure Safety Valve (PSV)
 - Excess Flow Valve
 - Breakaway Couplings
 - Discharge to Flare
 - Gas Detection
 - Fire Eyes
 - Maintenance Program
 - Physical Barriers
 - Site Security
 - Driver Competency Program
 - SOP's for loading and unloading
 - Signage and Labels

- Possible Preparedness Measures**
- Emergency Response Plan (ERP)
 - Training and Exercises
 - Keeping Response equipment on-site and in good order
 - Audits of the Incident Command Post (ICP)
 - Incident Command System (ICS) Certification
 - Response Software

- Possible Harm to the Environment**
- Wildfire / Forest Fire
 - Air Emissions
 - Permanent loss of plants and animals
 - Permanent Disability
 - Contaminating water and/or land
 - Cascading effects leading to the release of a toxic substance

- Possible Danger to Human Health**
- Fatality
 - Permanent Disability
 - Lost Time Injury
 - First Aid
 - Cascading effects leading to the release of a toxic substance

- Possible Response Actions**
- Evacuate
 - Alarm
 - Call 911 (if required)
 - Assess
 - Protect
 - Rescue
 - First Aid
 - Medical Aid
 - Initiate ERP

- Possible Recovery Actions**
- Incident Investigation
 - Root Cause Analysis
 - Environmental cleanup and remediation
 - Facility repair and equipment replacement
 - Review and revise equipment and processes at other locations
 - Share learnings

SECTION 9: Pipeline Section 6 (From 506.2 km to 626 km)

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 - 9.1.1 Driving Directions9-1
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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.

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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

MLV 536 – Broadview			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

ROV 562 – Whitewood			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Note: The role of the Reception Centre is as a registration and inquiry centre for evacuated public. It is not used as a location where evacuees are housed.				
Broadview Community Centre	700 Main Street	[REDACTED]	[REDACTED]	[REDACTED]
Kipling Community Centre	Kipling, SK	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Alberta are managed by the provincial government under Alberta Health Services (AHS).</i>	Provincial	911
Volunteer Fire Departments		
Kipling Fire Department	Kipling, SK	306-736-8606
Whitewood Fire Department	Whitewood, SK	306-735-7380
Moosomin Fire Department	Moosomin, SK	306-435-3360
Wapella Fire Department	Wapella, SK	306-435-6525
Miniota Fire Department	Miniota, MB	204-567-3721
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Broadview RCMP	Broadview, SK	306-696-5200
Indian Head RCMP	Indian Head, SK	306-695-5200
Moosomin RCMP	Moosomin, SK	306-435-3361
Virден RCMP	Virден, MB	204-748-2046
Hospitals <i>Note: At the request of Alberta Health Services (AHS), in the event of an emergency all contact with hospitals will be through Alberta Health Services (AHS).</i>	Provincial	911
Broadview Hospital	Broadview, SK	306-696-5500
Southeast Integrated Care Centre – Moosomin	Moosomin, SK	306-435-3303
Virден Health Centre	Virден, MB	204-748-1230

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line	Ottawa, ON	1-819-997-7887
Note: First lead agency call to be made		
24-Hour CER Incident Cellular Telephone	Calgary, AB	403-299-2773
Note: If unable to reach the TSB Hot Line, call this contact		

SASKATCHEWAN

Note: If an emergency occurs in Saskatchewan at this CER-regulated operation, PMC will initiate a courtesy notification to the Saskatchewan Ministry of Energy and Resources (ER) and also notify the Saskatchewan Public Safety Agency (SPSA), the Saskatchewan Ministry of Environment, Spill Report Line and the impacted Rural Municipality.

Agency	Location	Telephone Number
Saskatchewan Ministry of Energy and Resources (ER)		
Estevan Field Office 24-Hour Emergency	Estevan, SK	306-637-4541
Saskatchewan Public Safety Agency (SPSA)		
24-Hour Emergency	Regina, SK	306-787-9563
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561

MANITOBA

Note: If an emergency occurs in Manitoba at this CER-regulated operation, PMC will initiate a courtesy notification to the Manitoba Growth, Enterprise & Trade - Petroleum Branch and also notify the other Manitoba lead agencies listed below.

Agency	Location	Telephone Number
Manitoba Natural Resources and Northern Development		
Office (Daytime only)	Winnipeg, MB	204-945-6577
Manitoba Emergency Measures Organization		
24-Hour Emergency	Manitoba-wide	204-945-5555
Manitoba Environment Climate and Parks		
Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

SASKATCHEWAN

Agency	Location	Telephone Number
Rural Municipality of Chester No. 125 Office (Daytime only)	Glenavon, SK	306-429-2110
Rural Municipality of Kingsley No. 124 Office (Daytime only)	Kipling, SK	306-736-2272
Rural Municipality of Martin No. 122 Office (Daytime only)	Moosomin, SK	306-435-3113 Ext. 2
Rural Municipality of Moosomin No. 121 Office (Daytime only)	Moosomin, SK	306-435-3113 Ext. 1
Rural Municipality of Silverwood No. 123 Office (Daytime only)	Whitewood, SK	306-735-2500

MANITOBA

Agency	Location	Telephone Number
Rural Municipality of Ellice-Archie Office (Daytime only)	McAuley, MB	204-722-2053

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Manitoba Emergency Measures Organization (MOE), Saskatchewan Ministry of Energy and Resources (ER), Manitoba Sustainable Development, Saskatchewan Ministry of Environment and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Saskatchewan Ministry of Environment, Spill Report Line	Saskatchewan-wide	1-800-667-7525
Manitoba Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

SASKATCHEWAN

Agency	Location	Telephone Number
Saskatchewan Labour Relations and Workplace Safety		
24-Hour Emergency	Saskatchewan-only	1-800-567-7233
Office (Daytime only)	Saskatoon, SK	306-787-4481
Technical Safety Authority of Saskatchewan (TSASK) - Boiler and Pressure Vessel Safety		
Office (Daytime only)	Regina, SK	866-530-8599 306-798-7111
Saskatchewan Ministry of Environment		
General Inquiries	Saskatchewan-wide	1-800-567-4224
Firewatch Line – Report a Forest Fire	Saskatchewan-wide	1-800-667-9660
Spill Control Centre	Saskatchewan-wide	1-800-667-7525
Turn in Poachers and Polluters (TIPP)	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Environment - Compliance and Field Services Fish and Wildlife Division		
24-Hour Emergency	Saskatchewan-wide	1-800-667-7561
Saskatchewan Ministry of Highways		
24-Hour Emergency	Saskatchewan-wide	1-888-335-7623
Saskatchewan Health Authority (SHA)		
<i>Note: Refer to the Emergency Response Planning Map for jurisdiction</i>		
Program Director On-Call	Saskatoon, SK	1-833-665-7999
Saskatchewan Ministry of Health		
Emergency Management Unit	Saskatchewan-wide	306-519-8570
Saskatchewan Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Saskatchewan-wide	1-800-667-7590
Saskatchewan Water Agency (WSA)		
Office (Daytime only)	Moose Jaw, SK	306-694-3900
Spill Reporting Line	Moose Jaw, SK	1-844-536-9494

MANITOBA

Agency	Location	Telephone Number
Manitoba Workplace Safety and Health Branch (WSH)		
To Report an Incident 24-Hour Emergency	Manitoba-wide	1-855-957-SAFE (7233)
Manitoba Fire Commissioner - Inspection and Technical Services Manitoba		
Office (Daytime only)	Manitoba-wide	204-945-3373
Manitoba Environment Climate and Parks		
<i>Note: The mandate of the Wildlife Branch is to protect wildlife resources.</i>		
Tip Line - Turn in Poachers - Report Forest Fires	Manitoba-wide	1-800-782-0076
Virden District Office (Daytime only)	Virden, MB	204-748-4240
Manitoba Transportation and Infrastructure		
Region 3 - South Western 24-Hour Emergency	Birtle, MB	204-842-7710
Region 3 - South Western - Maintenance Manager	Brandon, MB	204-726-6800
Manitoba Health Authority - Prairie Mountain Health		
Prairie Mountain Health Region 24-Hour Emergency	Brandon, MB	204-724-8285
Manitoba Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Manitoba-wide	1-855-954-4321

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9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Location
General Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
Vehicle Equipment	
[REDACTED]	[REDACTED]
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

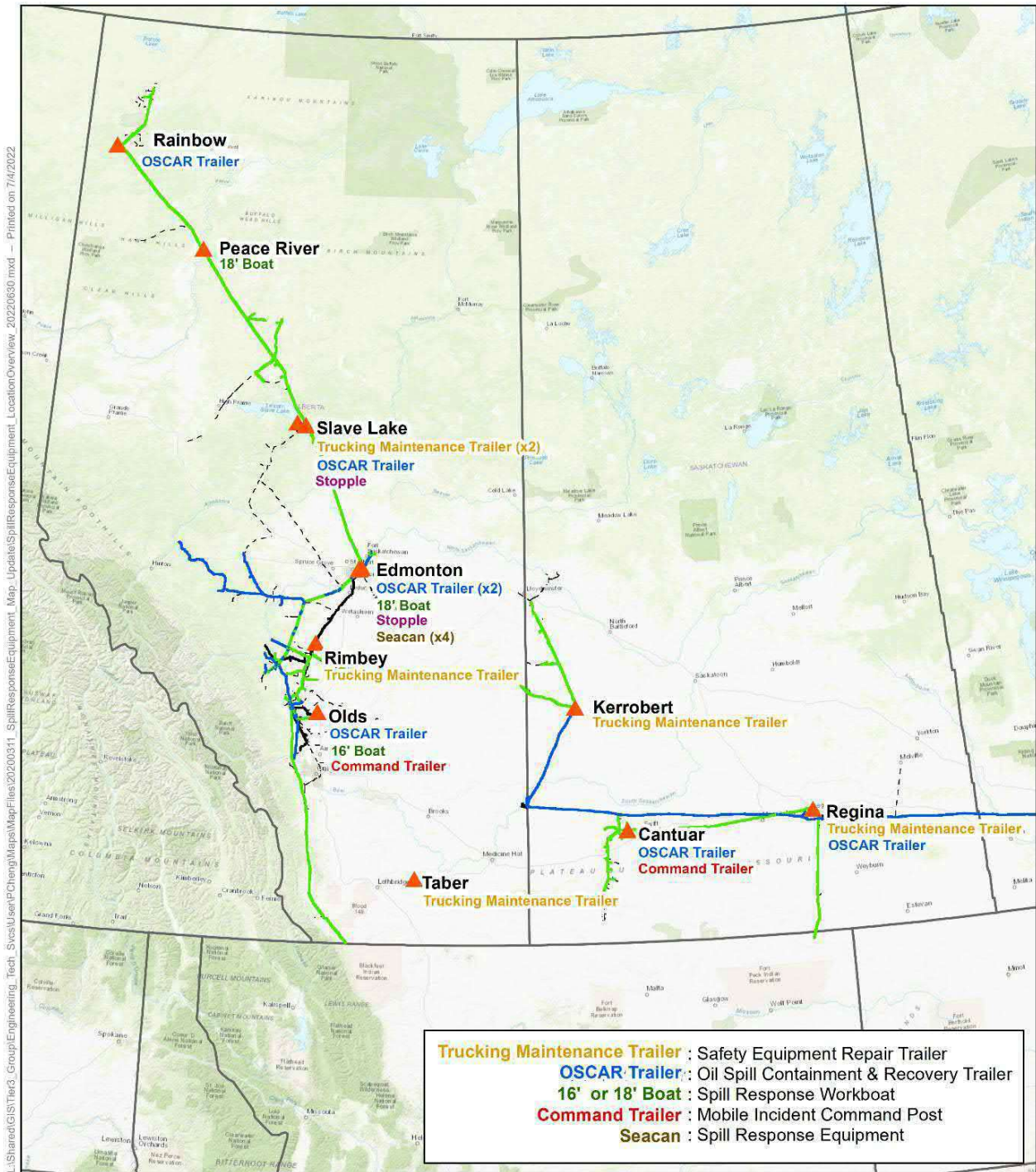
- Steel-toe boots
- Hard hats
- Gloves
- Fire retardant work wear with reflective striping
- Safety glasses
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment




DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product**
- HVP-NGL
- LVP
- - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
 June 2022**

0 50 100 200 300 400 Kilometers

Plains Midstream Canada
 1420 - 607 - 8th Ave SW
 Calgary, AB T2P 0A7
 +1 (403) 298-2100

Coordinate System:	
NAD 1983 UTM Zone 12N	

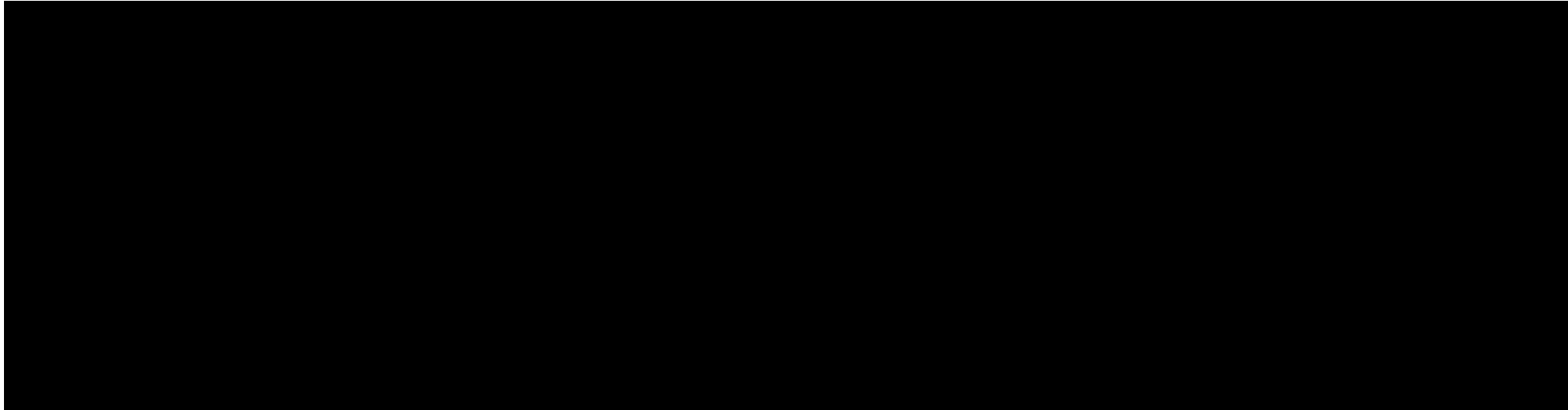
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MODIFY	mmmmmm
CHECK	TBD
APPROVE	TBD

000-MAP-0000-0000

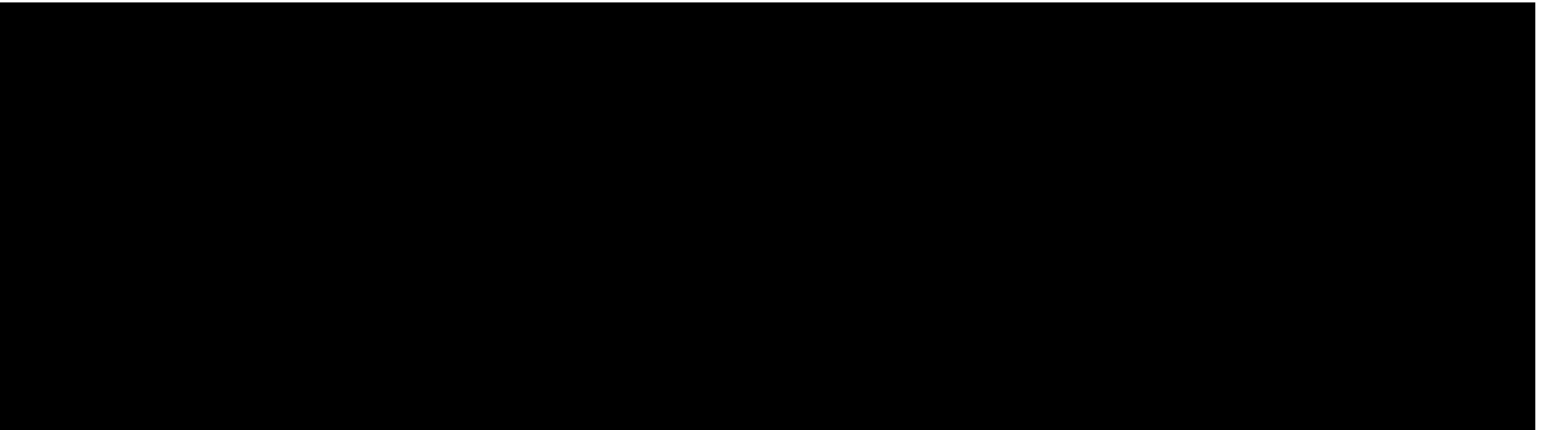
Rev A
 Figure 1

9.4 Technical Data

9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities

This section is not applicable to the PPTC Pipeline Section 6 ERP.

PIPELINE SECTION 6

FROM 506.2km (ROV/MLV 506 - Grenfell Pump Station)
TO 626km (ROV 626 - Manson Pump Station/Trap Site)

MAP 1 of 2

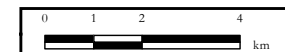


Draft Date: June 3, 2019 DS Scale: 1:160,000 Map: 8797

Revision Date: September 13, 2022 FSC UTM ZONE 13 NAD83



Third Party Facility	Other Roads	Occupied	Abandoned	Hydrology
Manual	Main Hwy	Business	Bridge	Waterbody
Third Party Pipeline	Divided Hwy	Vacant	Dead End	First Nations Reserve
Oil Pipeline	Trails	Occupied Facility	Farm Use Area	Protected Area
HVP Pipeline	Railway	Surface Development	Gravel Pit	Urban Area
	Airfield		Recreation Area	ER Field Centre
			Rail Crossing	Health Authority
				Local Authority
				RCMP
				WCSS COOP
				EPZ
				Egress EPZ



PIPELINE SECTION 6

FROM 506.2km (ROV/MLV 506 - Grenfell Pump Station)
TO 626km (ROV 626 - Manson Pump Station/Trap Site)

MAP 2 of 2

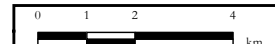


Draft Date: June 3, 2019 DS Scale: 1:160,000 Map: 8798

Revision Date: September 14, 2022 FSC UTM ZONE 13 NAD83



- | | | | | |
|----------------------|-------------|---------------------|---------------------|-----------------------|
| Third Party Well | Other Roads | Occupied | Abandoned | Hydrology |
| Third Party Facility | Main Hwy | Sensitive | Bridge | Waterbody |
| Facility | Divided Hwy | Business | Communication Tower | First Nations Reserve |
| HOV/MOV | Trails | Occupied Facility | Dead End | Urban Area |
| Manual | Railway | Surface Development | Evacuation Centre | Community Pasture |
| Third Party Pipeline | Airfield | | Farm Use Area | ER Field Centre/NRND |
| Oil Pipeline | | | Golf Course | Health Authority |
| | | | Gravel Pit | Local Authority |
| | | | Locked Gate | RCMP |
| | | | Power Station | WCSS COOP |
| | | | Recreation Area | EPZ |
| | | | Washout | Egress EPZ |
| | | | Waste | |
| | | | Rail Crossing | |



9.5.2 Plot Plans

This section is not applicable to the PPTC Pipeline Section 6 ERP.

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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.

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SECTION 9: Pipeline Section 7 (From 626 km to 731.8 km)

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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.



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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

Pipeline Section 7	
From	To
[REDACTED]	[REDACTED]

ROV 626 – Manson Pump Station/Trap Site			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Birtle Community Hall	160 Centre Street Birtle, MB	[REDACTED]	[REDACTED]	[REDACTED]
Hamiota and District Sports Complex	Box 100 Hamiota, MB	[REDACTED]	[REDACTED]	[REDACTED]
Hamiota Community Hall	Box 100 Hamiota, MB	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Manitoba are managed by the five regional health authorities</i>		
Volunteer Fire Departments	Provincial	911
Miniota Fire Department	Miniota, MB	204-567-3721
Hamiota Fire Department	Hamiota, MB	204-764-0441
Rapid City Fire Department	Rapid City, MB	204-761-5778
Oak River Fire Department	Oak River, MB	204-867-7029
Birtle Fire Department	Birtle, MB	204-773-6405
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Brandon RCMP	Brandon, MB	204-726-7500
Hamiota RCMP	Hamiota, MB	204-764-2732
Minnedosa RCMP	Minnedosa, MB	204-867-2751
Virden RCMP	Virden, MB	204-748-2135
Hospitals	Provincial	911
Hamiota District Health Centre	Hamiota, MB	204-764-2412
Minnedosa Health Centre	Minnedosa, MB	204-867-2701

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line Note: First lead agency call to be made	Ottawa, ON	1-819-997-7887
24-Hour CER Incident Cellular Telephone Note: If unable to reach the TSB Hot Line, call this contact	Calgary, AB	403-299-2773

MANITOBA

Note: If an emergency occurs in Manitoba at this CER-regulated operation, PMC will initiate a courtesy notification to the Manitoba Natural Resources and Northern Development – Petroleum Branch and also notify the other Manitoba lead agencies listed below.

Agency	Location	Telephone Number
Manitoba Natural Resources and Northern Development		
Office (Daytime only)	Winnipeg, MB	204-945-6577
Manitoba Emergency Measures Organization		
24-Hour Emergency	Manitoba-wide	204-945-5555
Manitoba Environment Climate and Parks		
Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

MANITOBA

Agency	Location	Telephone Number
Rural Municipality of Hamiota Office (Daytime only)	Hamiota, MB	204-764-3050
Rural Municipality Prairie View Office (Daytime only)	Birtle, MB	204-842-3403
Rural Municipality of Ellice-Archie Office (Daytime only)	McAuley, MB	204-722-2053
Rural Municipality of Elton Office (Daytime only)	Forrest, MB	204-728-7834
Rural Municipality of Minto-Odanah Office (Daytime only)	Minnedosa, MB	204-867-3282
Rural Municipality of Oakview Office (Daytime only)	Oak River, MB	204-566-2146

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Manitoba Emergency Measures Organization (MOE), Manitoba Sustainable Development and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Manitoba Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

MANITOBA

Agency	Location	Telephone Number
Manitoba Workplace Safety and Health Branch (WSH)		
To Report an Incident 24-Hour Emergency	Manitoba-wide	1-855-957-SAFE (7233)
Manitoba Fire Commissioner - Inspection and Technical Services Manitoba		
Office (Daytime only)	Manitoba-wide	204-945-3373
Manitoba Environment, Climate and Parks		
<i>Note: The mandate of the Wildlife Branch is to protect wildlife resources.</i>		
Tip Line - Turn in Poachers - Report Forest Fires	Manitoba-wide	1-800-782-0076
Virder District Office (Daytime only)	Virder, MB	204-748-4240
Manitoba Transportation and Infrastructure		
Region 3 - South Western 24-Hour Emergency	Birtle, MB	204-842-7710
Region 3 - South Western - Maintenance Manager	Brandon, MB	204-726-6800
Manitoba Health Authority - Prairie Mountain Health		
Prairie Mountain Health Region 24-Hour Emergency	Brandon, MB	204-724-8285
Manitoba Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Manitoba-wide	1-855-954-4321

9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Quantity	Location
Fire Fighting Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
General Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
Vehicle Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

9.3.2 Personal Protective Equipment (PPE)

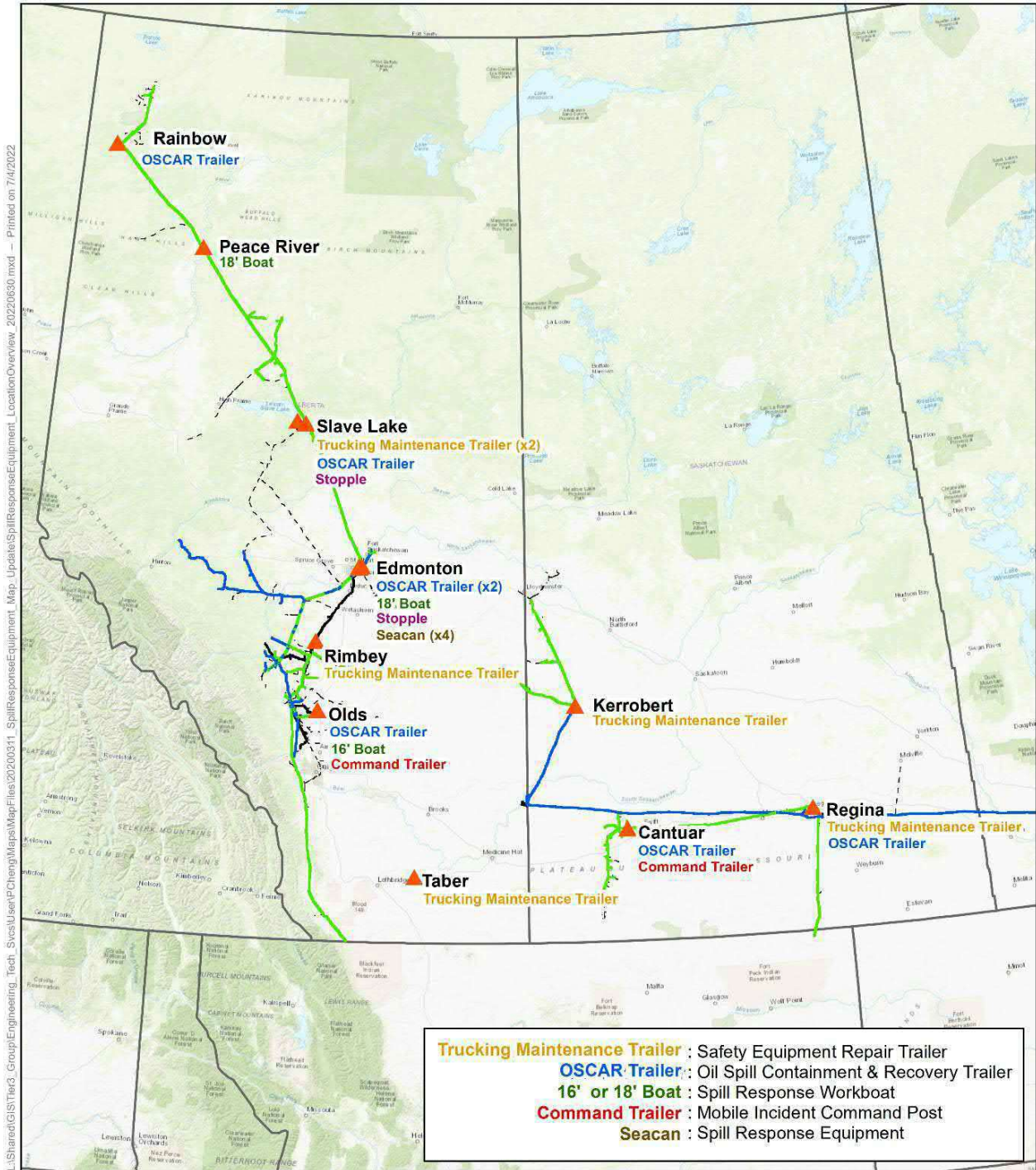
All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

- Steel-toe boots
- Gloves
- Safety glasses
- Hard hats
- Fire retardant work wear with reflective striping
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

- Emergency Response Resources & templates
- Response Equipment




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Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product**
- HVP-NGL
- LVP
- - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
June 2022**

0 50 100 200 300 400 Kilometers

Plains Midstream Canada
1420 - 607 - 8th Ave SW
Calgary, AB T2P 0A7
+1 (403) 298-2100

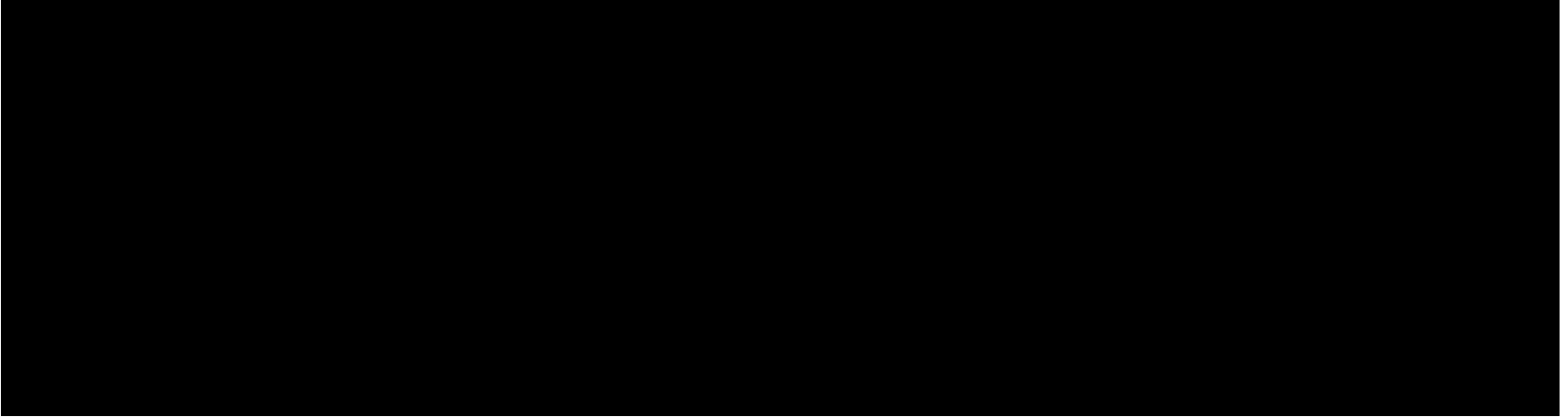
TEAM: GIS		000-MAP-0000-0000	
CREATE	TBD	TBD	
MODIFY	mmmmmm	04 Jul 2022	Rev A
CHECK	TBD	TBD	Figure 1
APPROVE	TBD	TBD	

Coordinate System:
NAD 1983 UTM Zone 12N

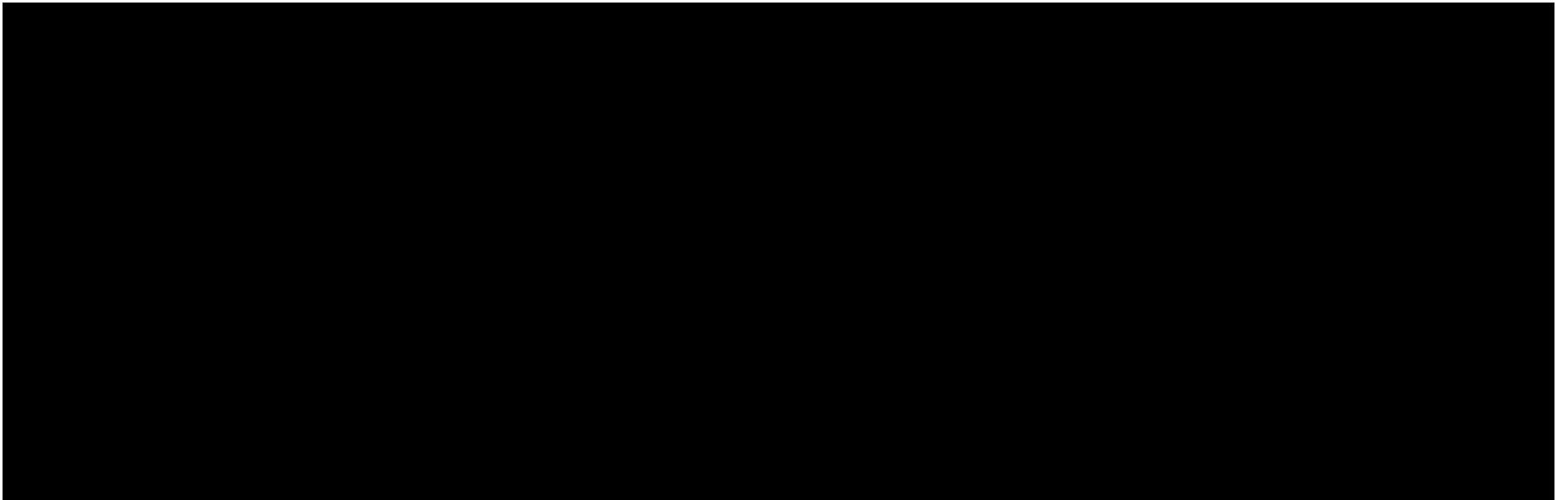
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9.4 Technical Data

9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities

This section is not applicable to the PPTC Pipeline Section 7 ERP.

PIPELINE SECTION 7

FROM 626km (ROV 626 - Manson Pump Station/Trap Site)
TO 731.2km (ROV 732 - Rapid City Pump Station/Keystop)
MAP 1 of 2



Draft Date: June 3, 2019 DS Scale: 1:150,000 Map: 8799

Revision Date: September 13, 2022 FSC UTM ZONE 14 NAD83



- | | | | |
|----------------------|---------------------|-----------------|--|
| Third Party Well | Occupied | Abandoned | Urban Area |
| Third Party Facility | Sensitive | Bridge | First Nations Reserve |
| Facility | Business | Dead End | Community Pasture |
| HOV/MOV | Vacant | Farm Use Area | Natural Resources & Northern Development |
| Manual | Occupied Facility | Power Station | Health Authority |
| Third Party Pipeline | Surface Development | Recreation Area | RCMP |
| Oil Pipeline | Waste | Rail Crossing | Local Authority |
| Other Roads | Hydrology | Waterbody | EPZ |
| Divided Hwy | Egress EPZ | | |
| Trails | | | |
| Airfield | | | |
| Railway | | | |



PIPELINE SECTION 7

FROM 626km (ROV 626 - Manson Pump Station/Trap Site)
TO 731.2km (ROV 732 - Rapid City Pump Station/Keystop)
MAP 2 of 2



Draft Date: June 3, 2019 DS Scale: 1:150,000 Map: 8800
Revision Date: September 13, 2022 FSC UTM ZONE 14 NAD83



- | | | | |
|------------------------|-----------------------|-----------------------|--|
| ■ Third Party Facility | 🏠 Occupied | ⌘ Abandoned | 🏘 Urban Area |
| ■ Facility | 🏠 Vacant | 🚤 Boat Launch | 🌿 Protected Area |
| ➤ Manual | 🌍 Public Use | ⚖ Bridge | 🏠 Natural Resources & Northern Development |
| — Third Party Pipeline | 🏠 Occupied Facility | 📡 Communication Tower | 🏠 Health Authority |
| — Oil Pipeline | 🏠 Surface Development | ⬮ Dead End | 🚔 RCMP |
| --- Other Roads | | 🏠 Farm Use Area | 🏠 Local Authority |
| == Divided Hwy | | ⌘ Gravel Pit | 🟡 EPZ |
| --- Trails | | ⌘ Locked Gate | 🟡 E2 Zone |
| 🛫 Airfield | | 🏠 Recreation Area | 🟡 Egress EPZ |
| — Railway | | 🚂 Rail Crossing | 🟡 Other PMC System EPZ |
| | | 🌊 Hydrology | |
| | | 🌊 Waterbody | |





9.5.2 Plot Plans

This section is not applicable to the PPTC Pipeline Section 7 ERP.

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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.



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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			



[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			



[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			
[REDACTED]			
[REDACTED]			



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9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Carberry Community Centre	Box 130 Carberry, MB	[REDACTED]	[REDACTED]	[REDACTED]
Austin Community Hall	Box 105 Austin, MB	[REDACTED]	[REDACTED]	[REDACTED]

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Province	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Manitoba are managed by the five regional health authorities</i>		
Volunteer Fire Departments	Province	911
Austin Fire Department	Austin, MB	Fire Chief 204-857-2193 Local Dispatch 204-637-2450
Carberry North Cypress – Langford Fire Department	Carberry, MB	204-841-0097
MacDonald Fire Department	MacDonald, MB	204-999-1624
MacGregor Fire Department	MacGregor, MB	204-685-2161
Minnedosa Fire Department	Minnedosa, MB	204-573-6814
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Province	911
Brandon RCMP	Brandon, MB	204-726-7500
Carberry RCMP	Carberry, MB	204-834-2131
Minnedosa RCMP	Minnedosa, MB	204-867-2751
Portage la Prairie RCMP	Portage la Prairie, MB	204-857-8767
Hospitals	Provincial	911
Minnedosa Health Centre	Minnedosa, MB	204-867-2701
Portage District General Hospital	Portage la Prairie, MB	204-239-2211

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line Note: First lead agency call to be made	Ottawa, ON	1-819-997-7887
24-Hour CER Incident Cellular Telephone Note: If unable to reach the TSB Hot Line, call this contact	Calgary, AB	403-299-2773

MANITOBA

Note: If an emergency occurs in Manitoba at this CER-regulated operation, PMC will initiate a courtesy notification to the Manitoba Natural Resources and Northern Development – Petroleum Branch and also notify the other Manitoba lead agencies listed below.

Agency	Location	Telephone Number
Manitoba Natural Resources and Northern Development		
Office (Daytime only)	Winnipeg, MB	204-945-6577
Manitoba Emergency Measures Organization		
24-Hour Emergency	Manitoba-wide	204-945-5555
Manitoba Environment Climate and Parks		
Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

MANITOBA

Agency	Location	Telephone Number
Municipality of North Cypress-Langford Office (Daytime only)	Carberry, MB	204-834-6600
Municipality of North Norfolk Office (Daytime only)	MacGregor, MB	204-685-2211
Rural Municipality of Elton Office (Daytime only)	Forrest, MB	204-728-7834
Rural Municipality of Minto-Odanah Office (Daytime only)	Minnedosa, MB	204-867-3282
Rural Municipality of Oakview Office (Daytime only)	Oak River, MB	204-566-2146
Rural Municipality of Portage la Prairie Office (Daytime only)	Portage la Prairie, MB	204-239-8340

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL		
Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Manitoba Emergency Measures Organization (MOE), Manitoba Sustainable Development and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Manitoba Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

MANITOBA

Agency	Location	Telephone Number
Manitoba Workplace Safety and Health Branch (WSH)		
To Report an Incident 24-Hour Emergency	Manitoba-wide	1-855-957-SAFE (7233)
Manitoba Fire Commissioner - Inspection and Technical Services Manitoba		
Office (Daytime only)	Manitoba-wide	204-945-3373
Manitoba Environment Climate and Parks		
<i>Note: The mandate of the Wildlife Branch is to protect wildlife resources.</i>		
Tip Line - Turn in Poachers - Report Forest Fires	Manitoba-wide	1-800-782-0076
Virden District Office (Daytime only)	Virden, MB	204-748-4240
Manitoba Transportation and Infrastructure		
Region 3 - South Western 24-Hour Emergency	Birtle, MB	204-842-7710
Region 3 - South Western - Maintenance Manager	Brandon, MB	204-726-6800
Manitoba Health Authority		
Prairie Mountain Health Region 24-Hour Emergency	Brandon, MB	204-724-8285
Southern Health – Sante Sud Region 24-Hour Emergency	Notre Dame de Lourdes, MB	204-248-7250
Manitoba Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Manitoba-wide	1-855-954-4321

9.3 Equipment Lists and Locations

9.3.1 Equipment Lists

As the length of the PPTC Pipeline covers 933 kilometres, PMC relies on both internal and external resources to provide equipment during an emergency situation. Equipment will be requested from contracted sources, local authorities, and through PMC internally, based on the location of the incident, available resources and the anticipated response time. As the PPTC Pipeline passes by and/or through several urban centres, response time for external resources for any segment of the pipeline is estimated at no longer than three hours. PMC operator response times will be significantly less during maintenance operations or regularly scheduled operations that require the use of additional equipment not typically carried by operators; otherwise, PMC will contract external resources to supply the required equipment.

All response equipment required during an emergency will be provided by local safety companies, refer to *Section 9.0 Overview: 9.6: Support Services* within the PPTC Pipeline ERP.

Equipment Type	Quantity	Location
Fire Fighting Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
First Aid		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
Communications Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
General Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
Vehicle Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

9.3.2 Personal Protective Equipment (PPE)

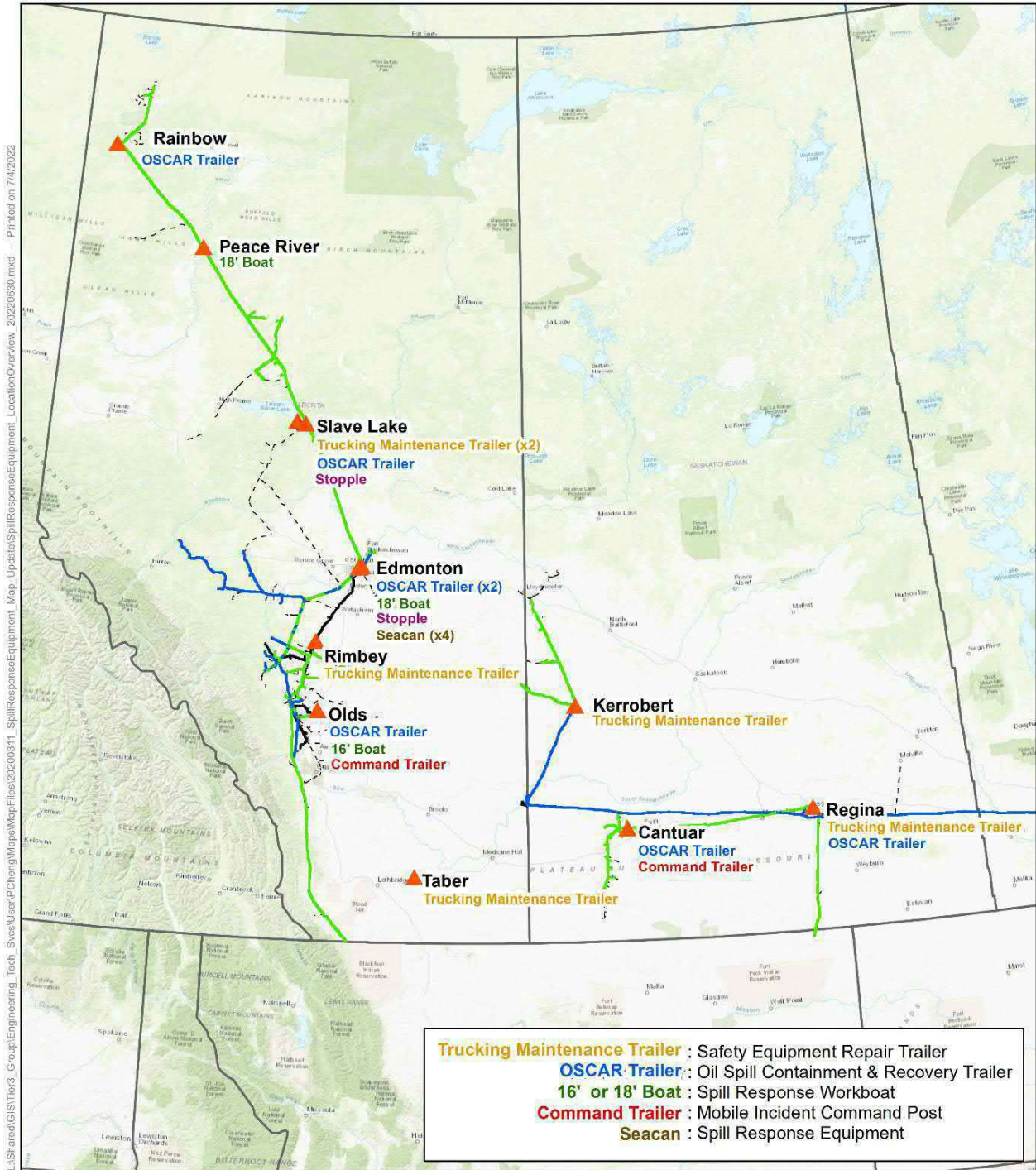
All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

- Steel-toe boots
- Hard hats
- Gloves
- Fire retardant work wear with reflective striping
- Safety glasses
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

- Emergency Response Resources & templates
- Response Equipment




DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product**
- HVP-NGL
- LVP
- - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
 June 2022**

0 50 100 200 300 400 Kilometers

Plains Midstream Canada
 1420 - 607 - 8th Ave SW
 Calgary, AB T2P 0A7
 +1 (403) 298-2100

Coordinate System:	
NAD 1983 UTM Zone 12N	

TEAM: GIS	
CREATE	TBD
MODIFY	mmmmmm
CHECK	TBD
APPROVE	TBD

000-MAP-0000-0000

Rev A
 Figure 1

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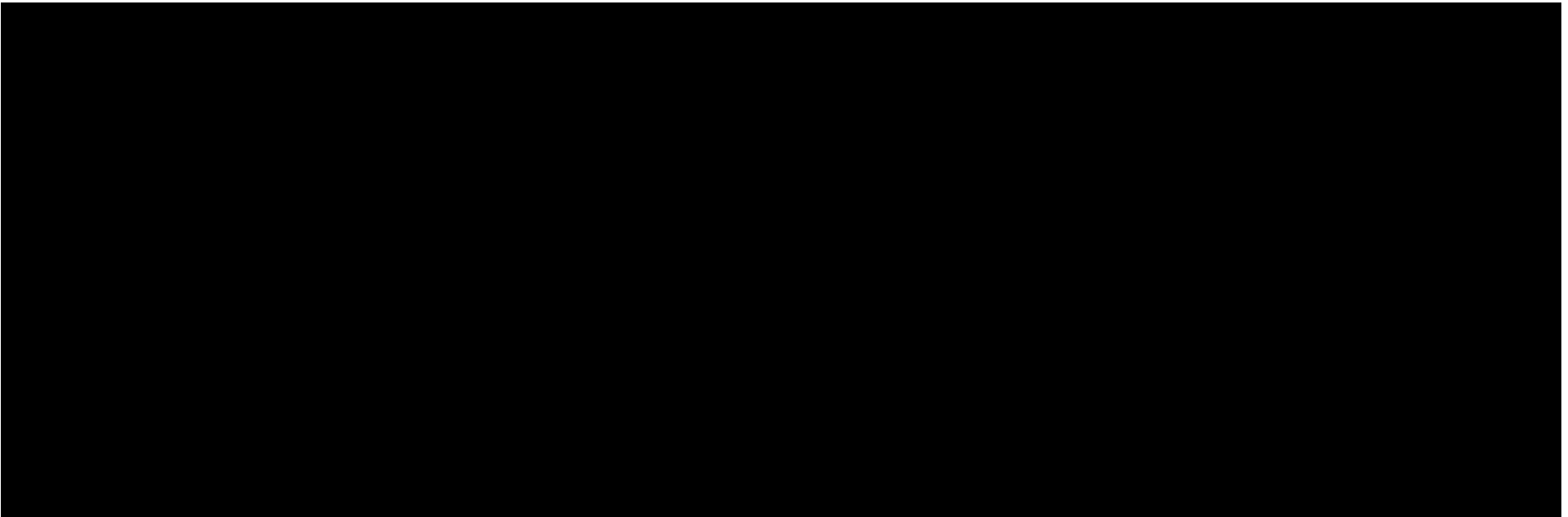
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9.4 Technical Data

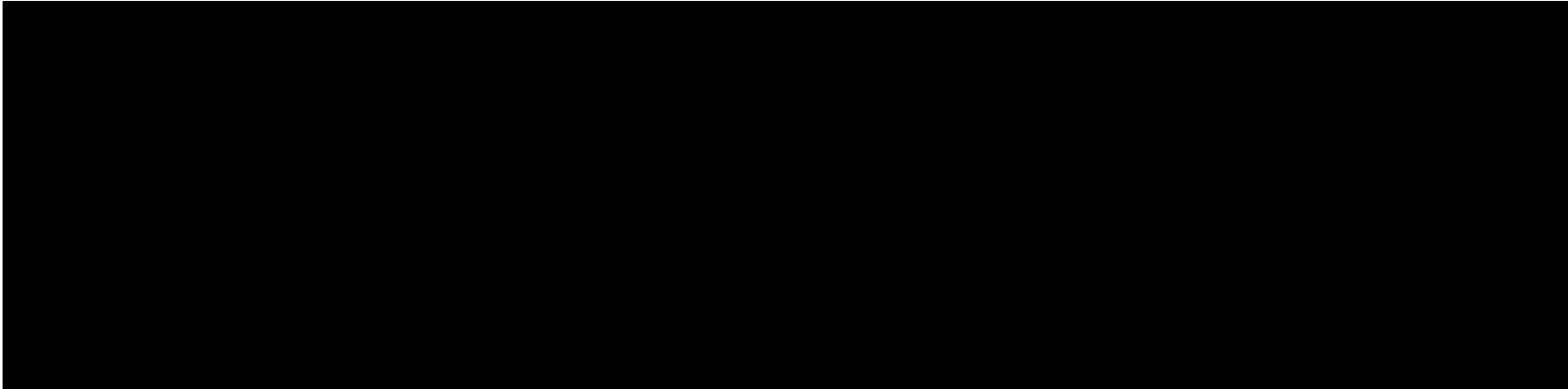
9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities



PIPELINE SECTION 8

FROM 731.2km (ROV 732 - Rapid City Pump Station/Keystop)
TO 844km (MLV 845A and MLV 845B - Portage Trap Site)
MAP 1 of 2



Draft Date: June 3, 2019 DS Scale: 1:150,000 Map: 8801
Revision Date: September 13, 2022 FSC UTM ZONE 14 NAD83



- | | | | |
|----------------------|---------------------|---------------------|--|
| Third Party Facility | Occupied | Abandoned | Urban Area |
| Facility | Vacant | Airstrip | Protected Area |
| Manual | Public Use | Bridge | Community Pasture |
| Third Party Pipeline | Occupied Facility | Communication Tower | Natural Resources & Northern Development |
| Oil Pipeline | Surface Development | Dead End | Health Authority |
| Other Roads | | Farm Use Area | RCMP |
| Divided Hwy | | Recreation Area | Local Authority |
| Trails | | Rail Crossing | EPZ |
| Airfield | | Hydrology | E2 Zone |
| Railway | | Waterbody | Egress EPZ |
| | | | Other PMC System EPZ |



PIPELINE SECTION 8

FROM 731.2km (ROV 732 - Rapid City Pump Station/Keystop)
TO 844km (MLV 845A and MLV 845B - Portage Trap Site)
MAP 2 of 2

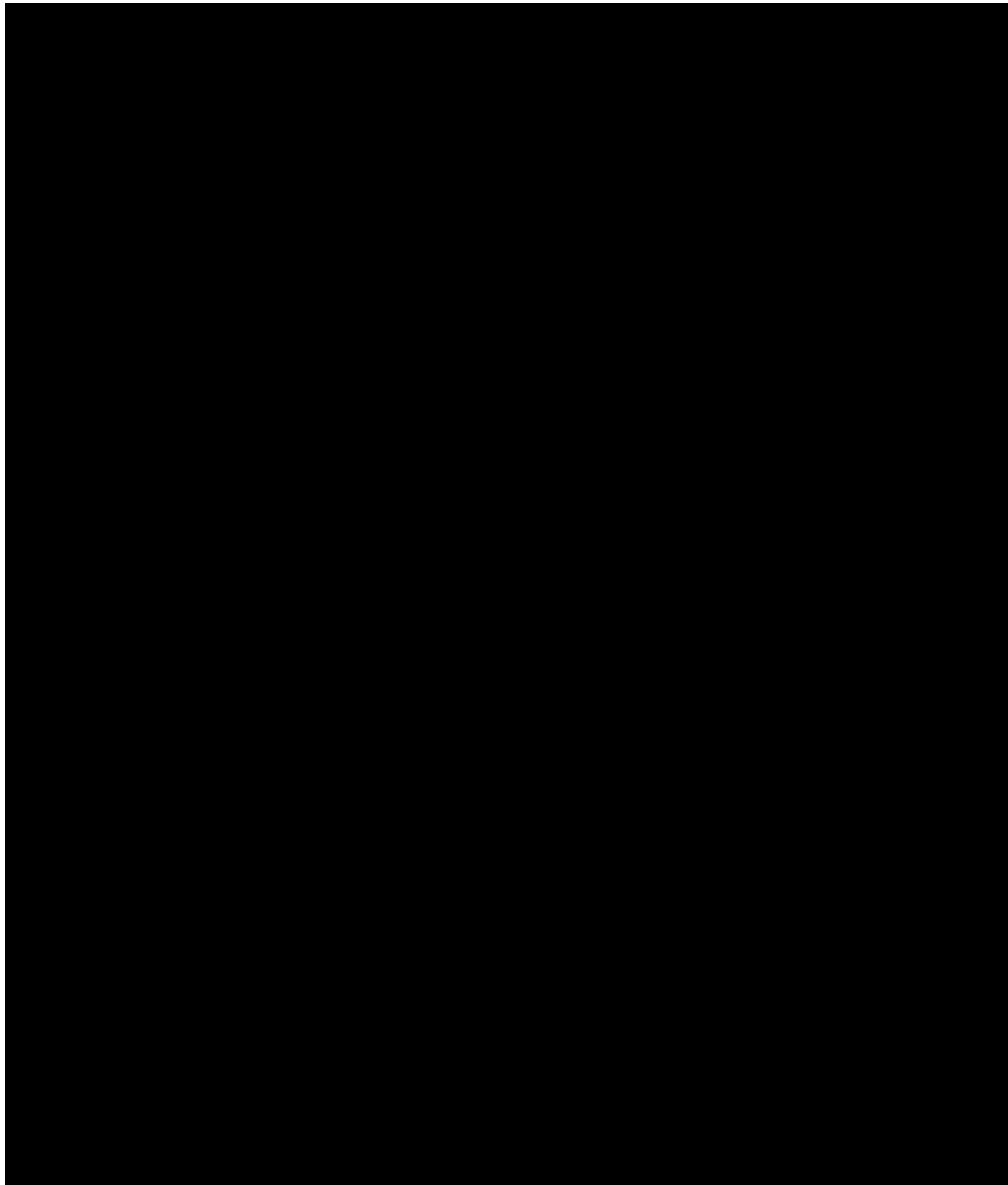


Draft Date: June 3, 2019 DS Scale: 1:150,000 Map: 8802
Revision Date: September 13, 2022 FSC UTM ZONE 14 NAD83



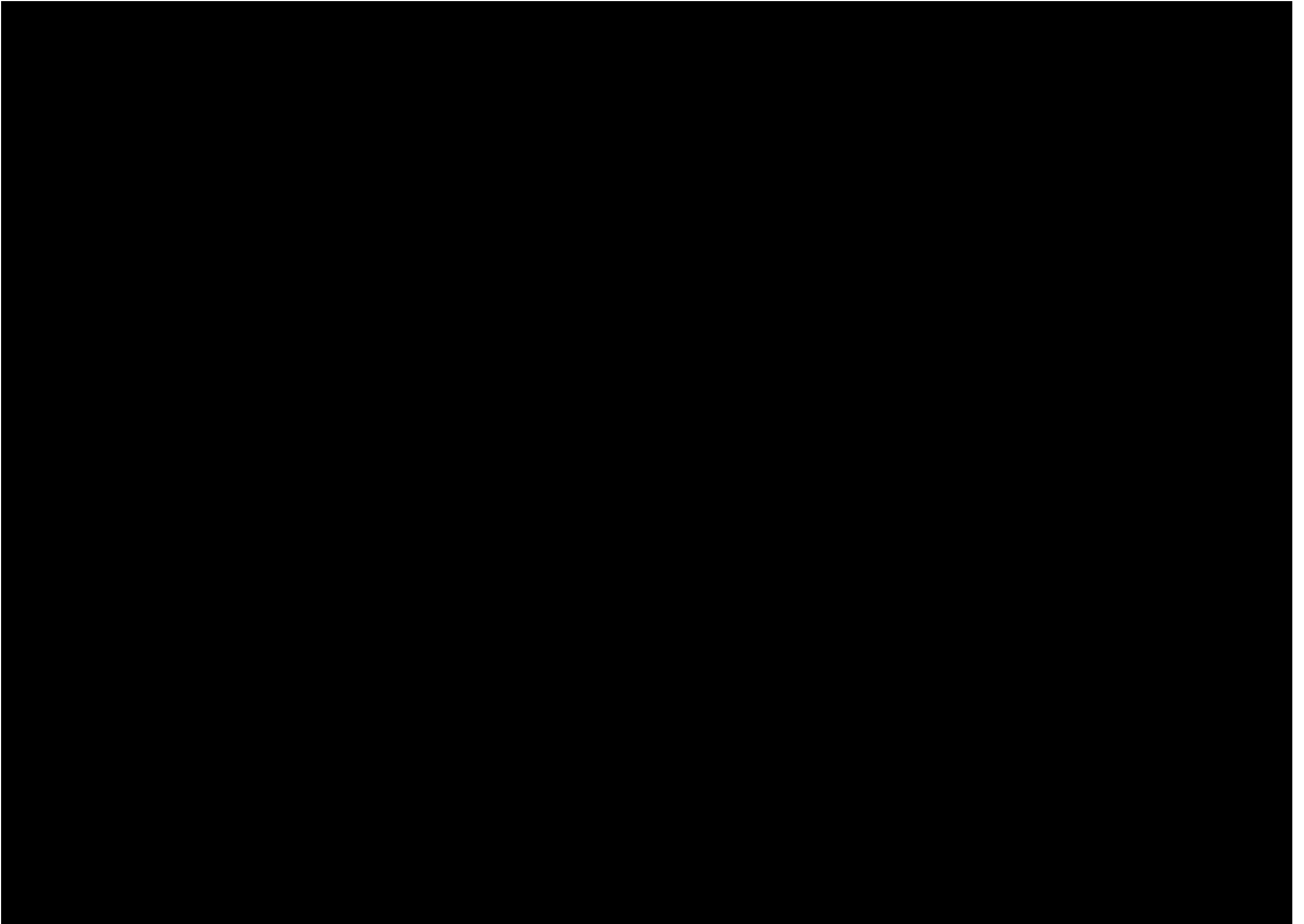
- | | | | |
|----------------------|---------------------|---------------------|--|
| Third Party Facility | Occupied | Abandoned | Urban Area |
| HOV/MOV | Sensitive | Bridge | First Nations Reserve |
| Manual | Vacant | Communication Tower | Protected Area |
| Third Party Pipeline | Hall | Dead End | Community Pasture |
| Oil Pipeline | Occupied Facility | Power Station | Natural Resources & Northern Development |
| Other Roads | Surface Development | Recreation Area | Health Authority |
| Divided Hwy | | Rail Crossing | RCMP |
| Trails | | Hydrology | Local Authority |
| Airfield | | Waterbody | EPZ |
| Railway | | | Egress EPZ |





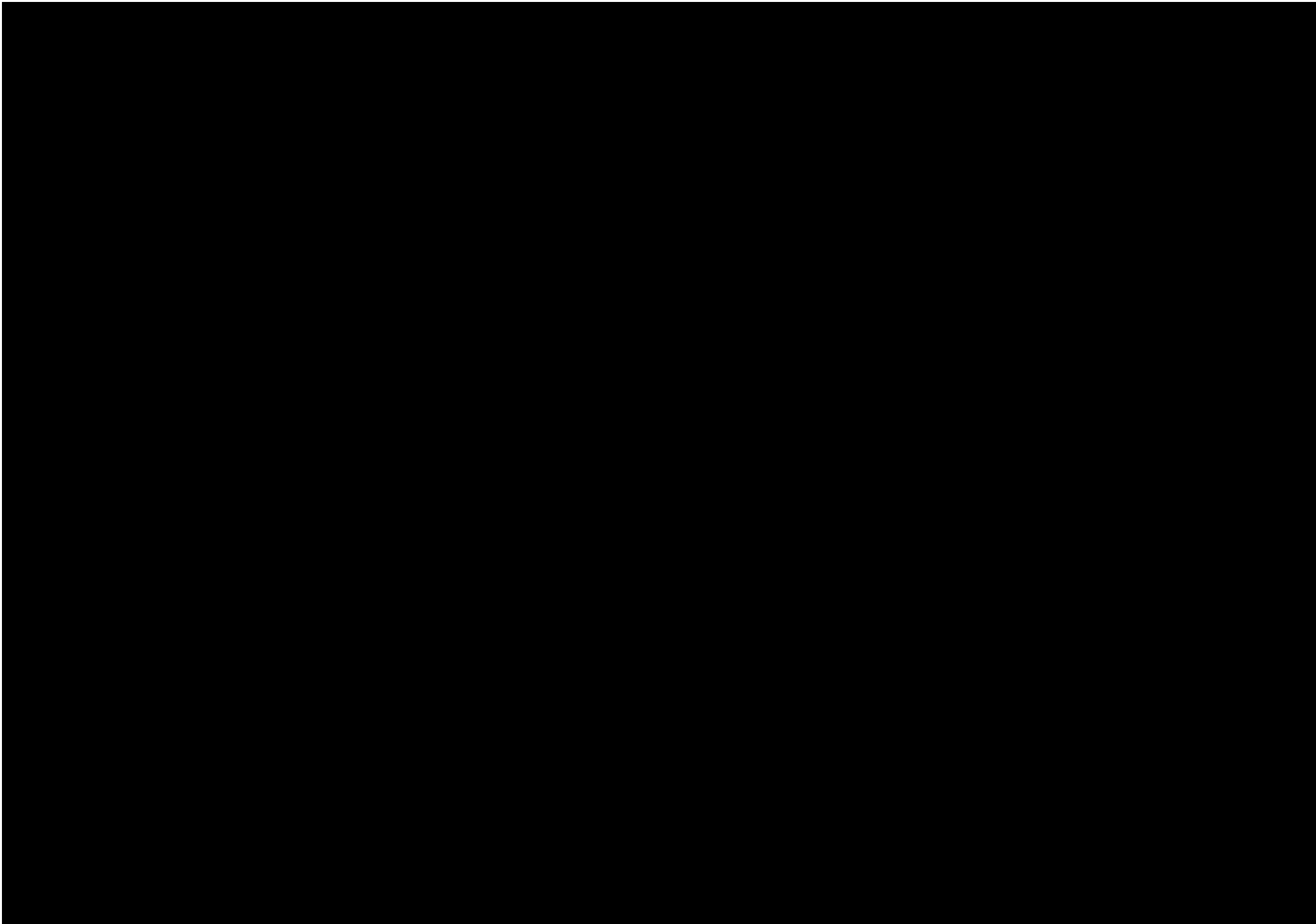


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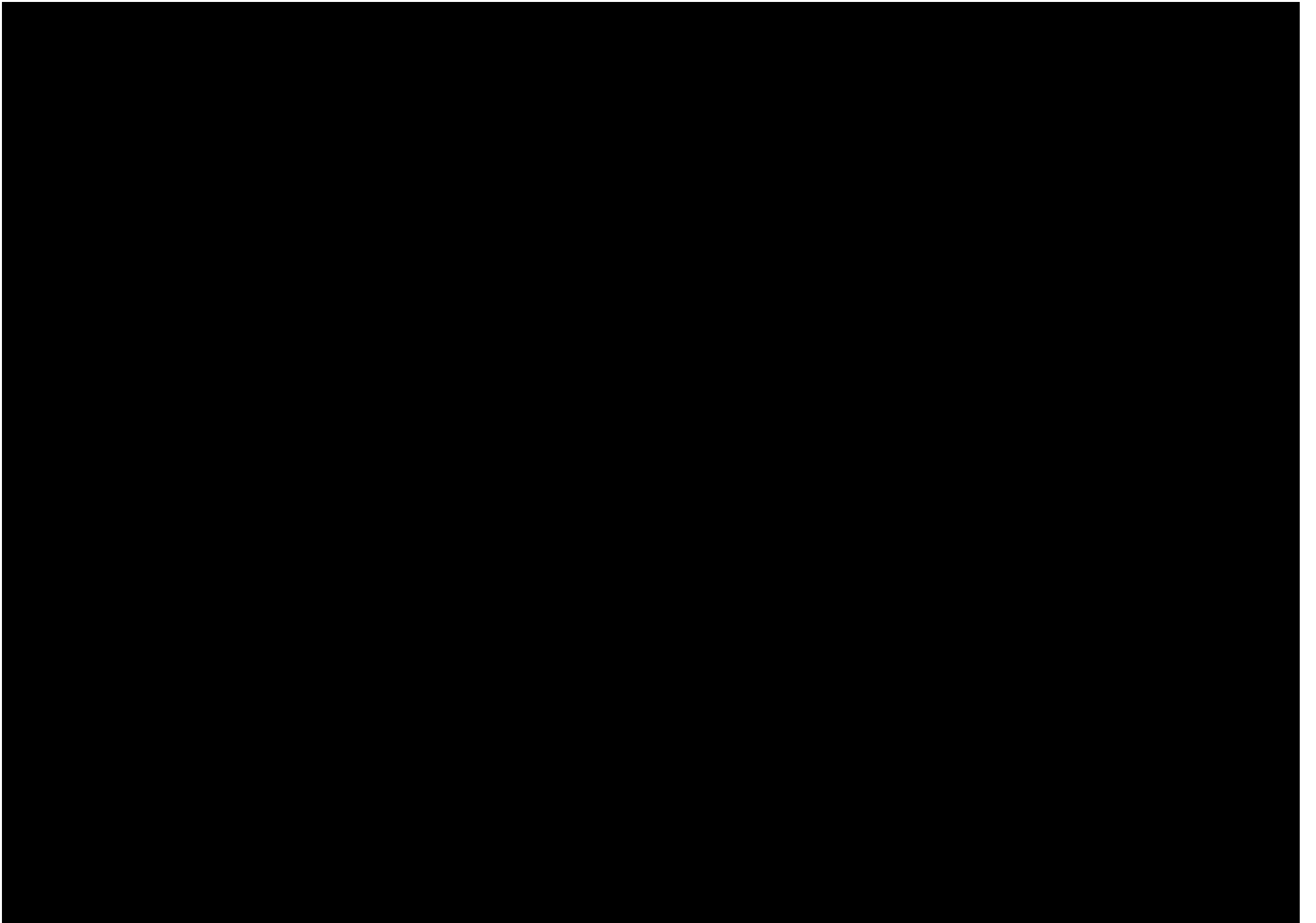


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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]



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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.



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SECTION 9.7: Environmental Emergency Plan

E2 ID #: 2624

Overview 3

Location..... 3

Directions and Access 3

Environment and Climate Change Canada (ECCC) Regulated Substances 4

Characteristics of the Facility and the Surrounding Area 5

Response Considerations..... 6

Roles & Responsibilities 6

Training 7

Public Communication 8

Local Authority Communication 8

Facility Map and Plot Plan..... 9

Facility Site Section (11x17 Insert)..... 9

Substance Specific Properties & Emergency Management..... 9

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Overview

The on-site storage tanks located at the PMC Rapid City Pump Station are regulated under the *Canadian Environmental Protection Act, 1999* as the substances stored (Propane) are in excess of the threshold limits listed in Schedule 1. Therefore, an Environmental Emergency Plan (E2 Plan) has been prepared for the Rapid City Station to meet *Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51*.

The Rapid City Pump Station is located at 12-6-13-18 W1M, approximately 5.23 kilometers southeast of Rapid City, Manitoba. The pump station is a transition point between Pipeline Sections 7 and 8. Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

Regulatory agency E2 Registration Reference:

Environment and Climate Change Canada (ECCC) – E2 ID #: 2624 (Rapid City Pump Station)

Note: In order to meet the Environment Canada and Climate Change Training and Simulation Exercise Requirements SOR/2019-51 – Section 7(1) (a) (b), Table Top Exercises must be performed annually for all E2 registered sites, including a more extensive simulation exercise every five years. Refer to the Training Section of this document for additional information.

Location

[Redacted location information]

Directions and Access

[Redacted directions and access information]

Environment and Climate Change Canada (ECCC) Regulated Substances

Substances listed below meet the ECCC threshold for registration and an Environmental Emergency Plan under the Canadian Environmental Protection Act. It is not a complete list of all storage at the facility.

Substance Details	Name	Propane
	ECCC Regulated Substance	Propane
	CAS #	74-98-6
	UN #	1978
	ECCC Hazard Category	Explosive
Quantity¹	Tank volumes	TS-801 - 342 m³
	Maximum Expected Quantity	199.04 tonnes (342 m³)
	Single Largest Container Capacity	199.04 tonnes (342 m³)
E2 EPZ (m)		200
E2 Worst Case Zone (m)		1200

Notes:

- E2 Worst Case Zone: is the zone based on the full release of the Maximum Expected Quantity of the substance. This is considered the worst case scenario.
- E2 EPZ (Emergency Planning Zone): is the zone based on a more likely to occur scenario which includes a partial release of the substance. This is considered the alternate case scenario.
- The E2 EPZ is the zone used to define where Public Communication should take place prior to an Environmental Emergency.
- Additional information regarding the scenarios and modelling methodology can be found on the back of the Substance Specific Properties & Emergency Management pages located in the attachments.
- Refer to the 2020 Emergency Response Guidebook (ERG) or App for additional information on Initial Isolation and Protective Action Distances for spills and fire safety based on substance: <https://www.tc.gc.ca/eng/canutec/emergency-response-guidebook.html>

¹Maximum expected quantity and largest container capacity in m³ for Propane was calculated using the maximum expected quantity and largest container capacity in tonnes and the density of pure Propane.

Characteristics of the Facility and the Surrounding Area

ECCC Sensitive Receptors	Inside the E2 EPZ	Notes
Child care and educational facility(ies)	No	
Health care facility(ies)	No	
Senior citizen's and long-term facility(ies)	No	
Residential building(s)	Yes	There are two occupied residents included in the EPZ.
Commercial building(s) (e.g. shopping malls, restaurants)	No	
Fire station(s)	No	
Industrial building(s)	No	There is one Plains Midstream oil and gas related facility within the EPZ.
Highway(s)	No	
Railway station(s)	No	
Bus station(s)	No	
Airport(s)	No	
Groundwater well(s) or intake(s) to drinking water systems	No	
Water body (ies) (e.g. rivers, lakes, and oceans)	No	
Park(s) or forest(s)	No	
Fish and wildlife habitat area(s)	No	
Other(s) (e.g. campgrounds, etc.)	No	

Response Considerations

Response Considerations	Notes
Cities/Towns/Villages	<ul style="list-style-type: none"> • Rapid City is 5.23 km northwest of the Rapid City Station
First Nations Reserves	<ul style="list-style-type: none"> • N/A
Communication Considerations	<ul style="list-style-type: none"> • Personnel working in the EPZ that would be difficult to notify / contact in the event of an emergency • Areas without cell reception
Access Considerations	<ul style="list-style-type: none"> • Personnel working in the area that would have no egress in the event of an emergency • Roadblocks that someone would have to pass through the hazard area to get to • Winter roads • Roads that are impassible in certain weather

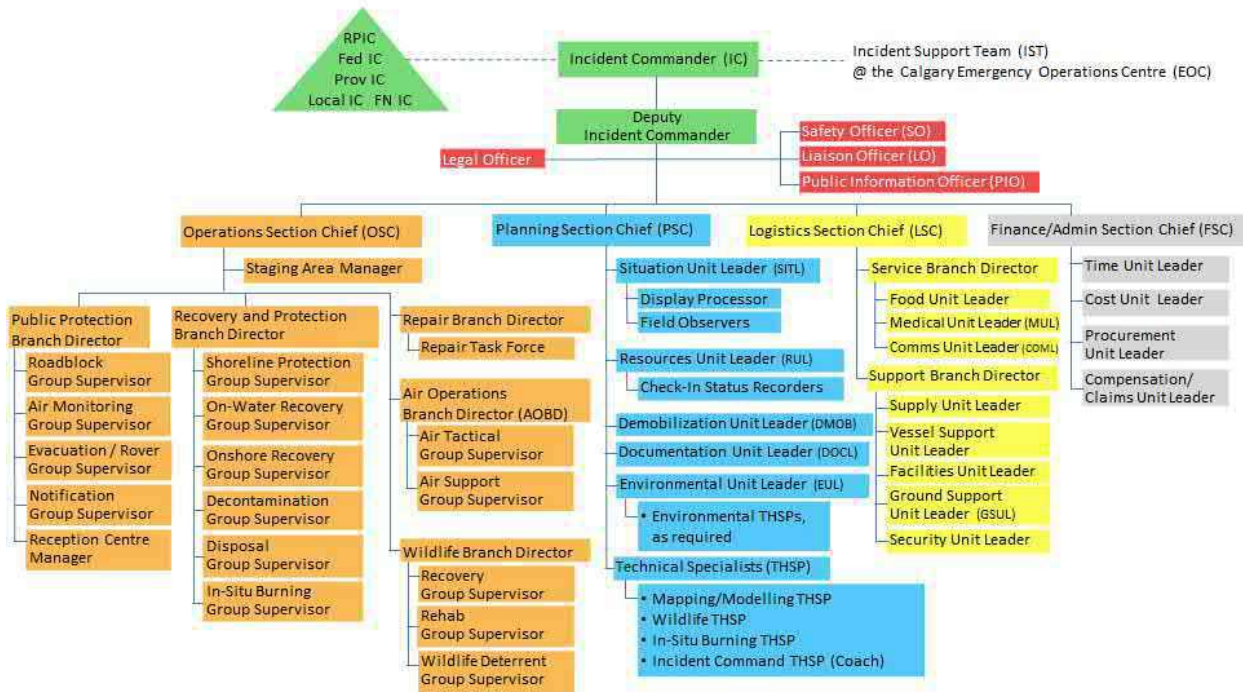
Please refer to the Facility Map for additional details.

Roles & Responsibilities

For Position Titles and Roles & Responsibilities, refer to *Section 2: Roles & Responsibilities* in the Corporate ERP.

Training

Response personnel that could potentially fill the roles and may be involved in the training are identified in the IMT Organizational Chart included below. PMC will fill appropriate roles based on specific incident requirements



To meet E2 requirements for a simulation exercise:

- One substance from each hazard category must be exercised.
- The environmental emergency scenarios must be cycled through (a different one each year).

For full training requirements, refer to *Section 7.1: Concordance Table, Sub-Section 7.1.3: Environmental Emergency Regulations (SOR/2019-51)* and *Section 7.2: Training Requirements* located in the Corporate ERP.

Public Communication

Plains Midstream Canada has created a Public Information Handout (PIH) to discuss the following:

- the possibility that the environmental emergency could occur,
- the potential effects of the environmental emergency on the environment and on human life or health, taking into account the substance, the activity the substance is used, and the facility and surrounding area features.
- the measures that will be taken to protect the environment and human life or health
- the means of communications in the event that the environmental emergency occurs

The PIH was provided to any surface developments within the E2 EPZ as well as mailed out to Area Users (Oil and Gas Operators, Railways, Trapper, Guides & Outfitters, Grazing Leases, and Forestry Management Units). Emergency contact information was gathered for the surface developments within the E2 EPZ and has been included within this plan.

Plains Midstream's Public Safety Group Supervisor (or delegate) would be responsible for communicating with members of the public who may be adversely affected by an environmental emergency, during and after the emergency, with information and guidance concerning the actions that could be taken to reduce the potential harm to the environment and danger to human life or health, including an explanation of how those actions may help to reduce the harm or danger.

Related information can be found in the Corporate ERP in the following sections:

- *Section 2: Roles & Responsibilities*
- *Section 5: Communications & Media*

Local Authority Communication

Plains Midstream Canada consulted with the local authority in the development of the Emergency Response Plan (ERP) regarding their roles & responsibilities in the event of an emergency. A copy of this is included in Section 8: Government Agencies and Local Authorities of this ERP.

The local authority, RCMP and local fire departments were provided with a copy of:

- the Public Information Handout (PIH).
- the Environmental Emergency Plan.

Facility Map and Plot Plan

For Facility Map - Please refer to the back of the 11x17 site section.

For Plot Plan – Please refer to *Sub-Section: 9.5 2 Plot Plans* of this ERP

Facility Site Section (11x17 Insert)

Refer to the Facility Site Section for the following:

- Operations Summary – the commercial, manufacturing, processing or other activity involving the substance that takes place at the facility.
- Phone List

Substance Specific Properties & Emergency Management

Page(s) specific to the substances stored at the facility are included as an attachment.

These pages include:

- Properties and Characteristics of the substance
- The identification of what environmental emergencies could occur and the potential harm
- Preventative, Preparedness, Response and Recovery actions that could potentially be taken

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PMC CORPORATE CONTACTS

[Redacted contact information]

Note: Refer to the PPTC Section 9.0 Overview, Sub-Section 9.4.2 Internal Emergency Telephone Numbers and 9.4.3 Local Responders for additional PMC contact information.

LOCAL RESPONDERS

[Redacted local responder information]

OPERATIONS OVERVIEW

The Rapid City Pump Station is located at 12-6-13-18 W1M, approximately 5.23 kilometers southeast of Rapid City, Manitoba. The pump station is a transition point between Pipeline Sections 7 and 8.

The Rapid City Pump Station has a calculated E2 Emergency Planning Zone (EPZ) of 200m and an E2 Worst Case Zone of 1200m.

Note: The E2 EPZ is the zone based on a more likely to occur scenario which includes a partial release of the substance. The E2 EPZ is the zone used to define where Public Communication should take place prior to an Environmental Emergency.

E2 Worst Case Zone is the zone based on the full release of the Maximum Expected Quantity of the substance. This is considered the worst case scenario.

LEAD AGENCIES

Note: All numbers, unless otherwise indicated, are 24 hours.

- Manitoba Natural Resources and Northern Development
Office (Daytime only) 204-945-6577
Manitoba Only 800-223-5215
Manitoba Emergency Measures Organization 204-945-5555
Manitoba Environment, Climate and Parks
Manitoba Environmental and Spill Reporting Line 204-944-4888

LOCAL AUTHORITIES

Note: All numbers, unless otherwise indicated, are 24 hours.

- Rural Municipality of Minto-Odanah
Office (Daytime only) 204-867-3282
Rural Municipality of Oakview
Office (Daytime only) 204-566-2146

OTHER ORGANIZATIONS

- Poison Control Centre 855-776-4766
Manitoba One Call 204-777-6590
CHEMTREC 800-424-9300

Note: PMC also has a contract in place with CHEMTREC, a 24/7/365 emergency call center that provides immediate information and assistance in the event of a chemical or hazardous material incident related to the transportation of dangerous goods.

FIRST RESPONDERS

Note: All numbers, unless otherwise indicated, are 24 hours.

- Ambulance/Fire/Police 911
Air Ambulance
Note: Air ambulance services are coordinated through: local land ambulances, Central Ambulance Communication Centres (CACC)/Ambulance Communications Services (ACS).
Fire Departments 911
Oak River Fire Department 204-566-2146
Local RCMP/Local Police 911
Minnedosa RCMP 204-867-2751
Brandon RCMP 204-726-7500
Hospitals 911
Minnedosa Health Centre 204-867-2701

SUPPORTING AGENCIES

Note: All numbers, unless otherwise indicated, are 24 hours.

- Emergency Response Assistance Canada (ERAC) 800-265-0212
Manitoba Workplace Safety and Health Branch 855-957-7233
Manitoba Fire Commissioner – Inspection and Technical Services Branch
Office: 204-945-3373
Manitoba Environment, Climate and Parks 800-782-0076
Manitoba Transportation and Infrastructure 204-726-6800
Prairie Mountain Health Region 204-724-8285
Workers’ Compensation Board (WCB) 855-954-4321
CANUTEC (1-888-CAN-UTEC) 888-226-8832
Cellular 613-996-6666 or *666
Information 613-992-4624
Department of Fisheries and Oceans Canada (DFO) 800-889-8852
Transport Canada—Ottawa Situation Centre 888-857-4003
Office: 204-983-3152

SAFETY EQUIPMENT

All response equipment required during an emergency will be provided by local safety companies, refer to Section 9.0 Overview, 9.6: Support Services within the PPTC Pipeline ERP.

Table with 2 columns: Equipment Type, Location. Rows include General Equipment, Vehicle Equipment, and Other Equipment with various redacted entries.

SUPPORT SERVICES

Aviation Support

Note: All aircraft requesting use of the PMC 6 Plant landing strip must consult the Canadian Flight Supplement for protocol: http://www.ivao.ca/charts/cfs. Contact the PMC Empress 6 Plant Control Room (403-838-8338) for use of the airfield located at the PMC Facility.

- Canadian Helicopters Ltd., An HNZ Company 780-429-6900
Blue Sky Air Ltd. 306-634-9333
Brandon Flight Center 204-728-7691
Rise Air 306-665-2700
Construction Companies
Apex Distribution Inc. 204-748-1170
DTD Oilfield Services Ltd. 306-773-4944
Gee Bee Construction Ltd. 306-736-2332
Jerry Mainil Ltd. 306-842-5412
McColl’s Skid Steer Service Ltd. 204-748-7168
Midwest Surveys Inc. 306-525-8706
Spartan Controls 306-458-2223
TS & M Oilfield Supply 204-522-3238
Wilf’s Oilfield Service (87) Ltd. 306-741-1700
Electrical Service Companies
Jebb RT Electric Ltd. 204-845-2315
Estevan Meter Services 306-634-5304
PTW Energy Services 306-634-5617
Environmental Service and Spill Response
Clean Harbors Canada Inc. 800-645-8265
Golder Associates 519-250-3733
Nichols Environmental 877-888-6325
North Shore Environmental Consultants 855-700-6732
Pollutech Enviroquatics Limited 519-339-8787
SECURE Energy Services 877-518-4321
Stantec Consulting Ltd. 780-231-2309
SWAT Consulting 866-610-7928
US Ecology (formerly Environmental Services Inc.) 888-682-2900
Waste Management of Canada 800-665-1898
Western Canadian Spill Services (WCSS) 866-541-8888
Firefighting (Oilfield)
Firemaster Oilfield Services Inc. 877-342-3473
HSE Integrated Ltd. 888-346-8260
Safety Boss Inc. 800-882-4967
Hotels/Motels
Super 8 - Portage la Prairie 204-857-8883
Days Inn – Portage la Prairie 204-857-9791
Holiday Inn – Winnipeg Airport West 204-885-4478
Howard Johnson - Winnipeg West 204-272-4169
Mobile Air Monitoring Services
Firemaster Oilfield Services 403-342-7500
Safety Boss 800-882-4967
Total Safety Inc. 888-328-6825
Trojan Safety Services 250-793-2197
Diversified Oilfield Services 204-851-1092
Pumping Companies
Badger Daylighting (Hydro-Vac) 800-465-4273
Premier Oilfield Services Ltd. 204-851-4995
Spearing Service Ltd. 306-483-2848
Safety Services
Firemaster Oilfield Services Inc. 877-342-3473
HSE Integrated Ltd. 888-346-8260
Safety Boss Inc. 800-882-4967
Trojan Safety Services Ltd. 250-793-2197
Trucking Companies
Badger Daylighting Ltd. 800-465-4273
Crushrite Concrete 306-435-3860
Day Break Transport Ltd. 403-527-1371
Jerry Mainil Ltd. 306-842-5412
L B Taylor Trucking Ltd. 306-435-6862
L & C Trucking 306-634-7341
Spearing Service Ltd. 306-483-2848

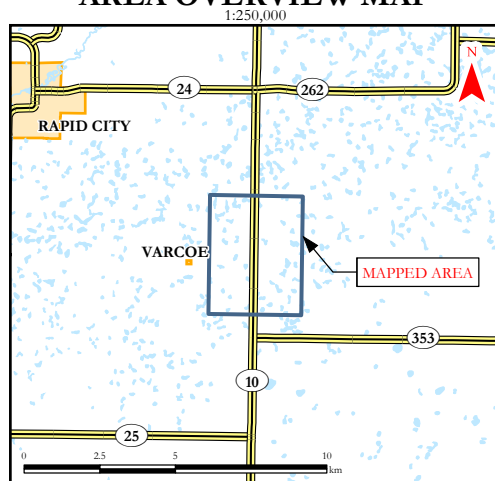
RAPID CITY PUMP STATION PPTC PIPELINE SYSTEM



Draft Date: June 28, 2019 DS Scale: 1:12,000 Map: 8808
 Revision Date: August 5, 2022 TS UTM ZONE 14 NAD83



AREA OVERVIEW MAP



- Third Party Facility
- Facility
- ▶ Manual
- Third Party Pipeline
- Oil Pipeline
- - - - Other Roads
- = Divided Hwy
- Occupied
- Occupied Facility
- Surface Development
- ⊠ Communication Tower
- ☁ Waterbody
- Health Authority
- Local Authority
- RCMP
- E2 EPZ
- Egress EPZ
- E2 Worst Case Zone
- Other PMC System EPZ

Physical Properties

Chemical Formula	C3H8
Flash Point	-104 ° C
Boiling Point	-42.1 ° C
Lower Explosive Limit (LEL)	2.1%
Upper Explosive Limit (LEL)	9.5%
Autoignition Temperature	450 ° C
Vapor Density (Air = 1)	1.5
Water Solubility	0.01%
IDLH	2100 ppm

General Description

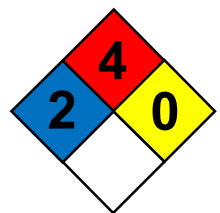
A colorless gas with a faint petroleum-like odor. It is shipped as a liquefied gas under its vapor pressure. For transportation it may be stented.

Contact with the unconfined liquid can cause frostbite by evaporative cooling.

Easily ignited. The vapors are heavier than air and a flame can flash back to the source of leak very easily. The leak may be either a liquid or vapor leak.

The vapors can asphyxiate by the displacement of air.

Under prolonged exposure to fire or heat the containers may rupture violently and rocket.

NFPA Diamond	Hazard	Rating	Description
	Health	Hazardous	Can cause temporary incapacitation or residual injury.
	Flammability	Flash Point below 73 °F	Burns readily. Rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature.
	Instability	Stable	Normally stable, even under fire conditions.
	Special		

Information on this page is from CAMEO Chemicals and the Transport Canada Emergency Response Guide

ECCC Hazard Category

E

EXPLOSION

CAS # 74-98-6

UN # 1075

TC ERG Guide # 115

POTENTIAL HAZARDS

FIRE OR EXPLOSION

• EXTREMELY FLAMMABLE.

- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.
- Ruptured cylinders may rocket.



HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.



PUBLIC SAFETY

- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).



PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

PUBLIC SAFETY

EVACUATION

Large spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).



Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED

Small Fire

- Dry chemical or CO₂.

Large Fire

- Water spray or fog.



Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

EMERGENCY RESPONSE

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.



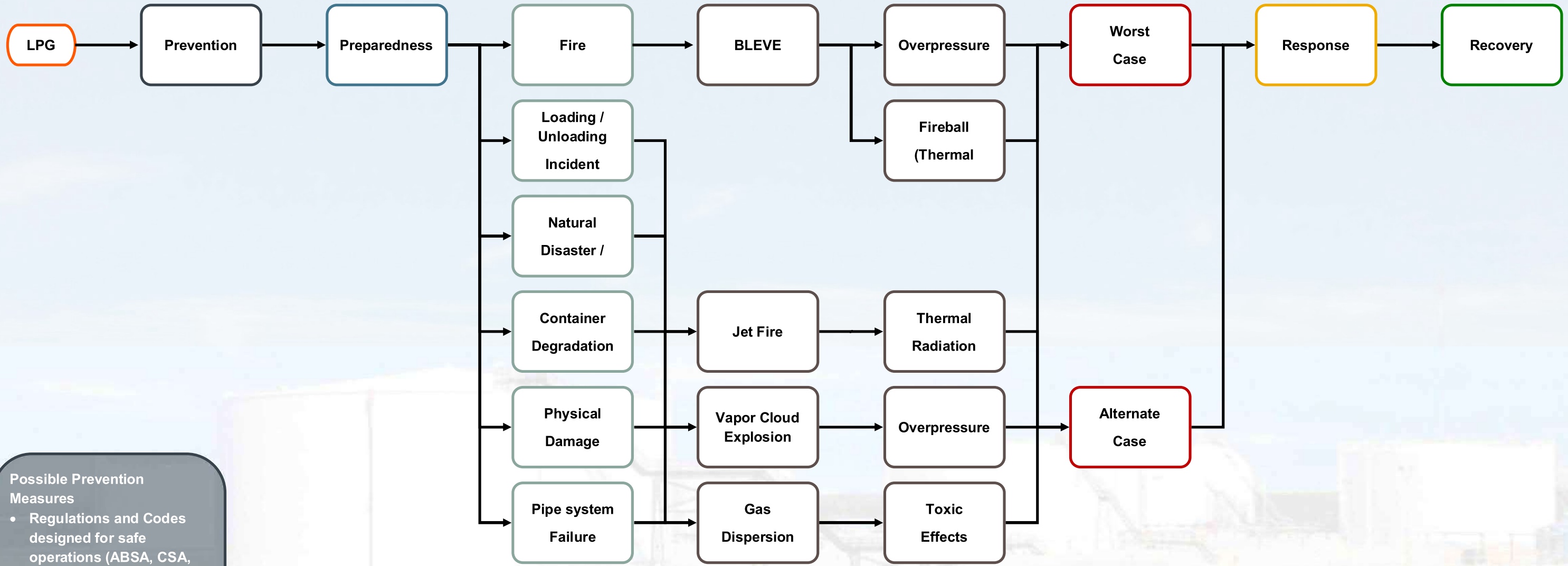
CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.



Propane



- Possible Prevention Measures**
- Regulations and Codes designed for safe operations (ABSA, CSA, ASME, ANSI, NFPA)
 - Emergency Shutdown Valves (ESD's)
 - Pressure Safety Valve (PSV)
 - Excess Flow Valve
 - Breakaway Couplings
 - Discharge to Flare
 - Gas Detection
 - Fire Eyes
 - Maintenance Program
 - Physical Barriers
 - Site Security
 - Driver Competency Program
 - SOP's for loading and unloading
 - Signage and Labels

- Possible Preparedness Measures**
- Emergency Response Plan (ERP)
 - Training and Exercises
 - Keeping Response equipment on-site and in good order
 - Audits of the Incident Command Post (ICP)
 - Incident Command System (ICS) Certification
 - Response Software

- Possible Harm to the Environment**
- Wildfire / Forest Fire
 - Air Emissions
 - Permanent loss of plants and animals
 - Permanent Disability
 - Contaminating water and/or land
 - Cascading effects leading to the release of a toxic substance

- Possible Danger to Human Health**
- Fatality
 - Permanent Disability
 - Lost Time Injury
 - First Aid
 - Cascading effects leading to the release of a toxic substance

- Possible Response Actions**
- Evacuate
 - Alarm
 - Call 911 (if required)
 - Assess
 - Protect
 - Rescue
 - First Aid
 - Medical Aid
 - Initiate ERP

- Possible Recovery Actions**
- Incident Investigation
 - Root Cause Analysis
 - Environmental cleanup and remediation
 - Facility repair and equipment replacement
 - Review and revise equipment and processes at other locations
 - Share learnings

SECTION 9: Pipeline Section 9 (From 844 km to 932.7 km)

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Note: Confidential Public Information is only included in specific copies of this ERP as an insert behind Section 9.6 Local Public Information. Refer to the Distribution List for additional information.

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9.1 Overview

The PMC PPTC pipelines are licensed as High Vapour Pressure (HVP), it consists of a 6” diameter steel line with an Emergency Planning Zone (EPZ) of 500 metres for the PPTC Pipeline System.

Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

9.1.1 Driving Directions

[REDACTED]	
From	To
[REDACTED]	[REDACTED]

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			



[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

[REDACTED]			
KM Post	Legal	Estimated Travel Time	Location
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Driving Directions:			
[REDACTED]			
[REDACTED]			

9.2 Telephone Directory

9.2.1 PMC 24-Hour Emergency Line

PMC Corporate 24-Hour Emergency Number (Operational Control Centre)	[REDACTED]
---	------------

9.2.2 Internal Emergency Telephone Numbers

Name	Telephone Numbers
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

9.2.3 Reception Centres

Location	Address	Custodian Name	Telephone Numbers	
			Facility	Custodian
Days Inn	Hwy 1 & Yellowquill Trail Portage la Prairie, MB	-	[REDACTED]	-
Headingley Community Centre	5353 Portage Ave Headingley, MB	-	[REDACTED]	-

9.2.4 First Responders

Agency	Location	Telephone Number
Ambulance/Fire/Police	Provincial	911
STARS Emergency Link Centre (Air Ambulance) <i>Note: Based off the location of the injured person(s), STARS Emergency Link Centre will determine which Air Ambulance Base to dispatch from.</i>		1-888-888-4567
Ambulance <i>Note: Ambulance services in Manitoba are managed by the five regional health authorities.</i>		
Volunteer Fire Departments	Provincial	911
City of Portage Fire Department	Portage, MB	204-239-8340
Cartier Fire Department	Cartier, MB	204-771-0867
Local RCMP/Local Police <i>Note: Refer to the Emergency Response Planning Map for jurisdiction.</i>	Provincial	911
Headingley RCMP	Headingley, MB	204-831-5929
Portage la Prairie RCMP	Portage la Prairie, MB	204-857-8767
Winnipeg Police Service	Winnipeg, MB	204-986-6313
Hospitals	Provincial	911
Portage District General Hospital	Portage la Prairie, MB	204-239-2211
Victoria General Hospital	Winnipeg, MB	204-477-3148

9.2.5 Lead Agencies

FEDERAL

The PMC PPTC Pipeline is regulated by the Canada Energy Regulator (CER).

Note: If an emergency occurs at this CER-regulated operation, PMC will initiate its emergency response plan, immediately contact the TSB's Hot Line to report all pipeline incidents and occurrences and complete the CER/TSB Online Event Reporting System (OERS) at <https://apps.cer-rec.gc.ca/ers/home/index>

Through the provincial reporting method, courtesy notification should be given to the provincial regulator.

Agency	Location	Telephone Number
Canada Energy Regulator (CER)		
Transportation Safety Board of Canada (TSB) 24-Hour Emergency Hot Line Note: First lead agency call to be made	Ottawa, ON	1-819-997-7887
24-Hour CER Incident Cellular Telephone Note: If unable to reach the TSB Hot Line, call this contact	Calgary, AB	403-299-2773

MANITOBA

Note: If an emergency occurs in Manitoba at this CER-regulated operation, PMC will initiate a courtesy notification to the Manitoba Natural Resources and Northern Development - Petroleum Branch and also notify the other Manitoba lead agencies listed below.

Agency	Location	Telephone Number
Manitoba Natural Resources and Northern Development		
Office (Daytime only)	Winnipeg, MB	204-945-6577
Manitoba Emergency Measures Organization		
24-Hour Emergency	Manitoba-wide	204-945-5555
Manitoba Environment Climate and Parks		
Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

9.2.6 Local Authorities

Note: Refer to the Emergency Response Planning Map for jurisdictional boundaries.

MANITOBA

Agency	Location	Telephone Number
Rural Municipality of Cartier Office (Daytime only)	Elie, MB	204-791-9347 (Andrew Waldner) 204-771-0867 (Dan Bouchard)
Rural Municipality of MacDonald Office (Daytime only)	Sanford, MB	204-736-2255
Rural Municipality of Portage la Prairie Office (Daytime only)	Portage la Prairie, MB	204-239-8340

9.2.7 Supporting Agencies

Note: Depending upon the type of incident, PMC will initiate notification to the following federal and provincial supporting agencies.

FEDERAL

Agency	Location	Telephone Number
CANUTEC¹		
<i>Note: As required, in the event of an emergency involving dangerous goods, call CANUTEC.</i>		
24-Hour Emergency	Ottawa, ON	1-888-CAN-UTEC (226-8832)
If using cellular		613-996-6666 *666
Information		613-992-4624
Department of Fisheries and Oceans Canada (DFO)		
<i>Note: If there is a release into a water body of any substance deleterious to fish, contact Fisheries and Oceans Canada (only if fish bearing water body).</i>		
24-Hour Emergency	Canada-wide	1-800-889-8852
Transport Canada		
<i>Note: Transport Canada's Prairie and Northern Region (Winnipeg Office) is responsible for transportation safety throughout Alberta, Saskatchewan, Manitoba, Yukon, Northwest Territories and Nunavut.</i>		
Ottawa Situation Centre 24-Hour Emergency	Canada-wide	1-888-857-4003
Office (Daytime only)	Winnipeg, MB	204-983-3152
NAV CANADA (NOTAM – Notice to Airmen)		
24-Hour Emergency	Canada-wide	1-877-992-6853 1-866-541-4102 ²
Environment Canada & Climate Change - National Environment Emergencies Centre		
<i>Note: Refer to Section 8: Government Agencies and Local Authorities, in the PMC Core Emergency Response Plan, for the Manitoba Emergency Measures Organization (MOE), Manitoba Sustainable Development and Canadian Environmental Protection Act Incident, Spill, and Release Reporting Requirements, which identifies who, what, where, when, why and how an environmental emergency is to be reported.</i>		
Manitoba Environmental and Spill Reporting Line 24-Hour Emergency	Manitoba-wide	204-944-4888

¹ **CANUTEC** is the Canadian Transport Emergency Centre operated by the Transportation of Dangerous Goods (TDG) Directorate of Transport Canada. This is a federal emergency service based in Ottawa, ON. CANUTEC provides immediate reference for information on chemical spills and will also advise on methods to safely neutralize, decontaminate, approach or handle dangerous substances.

² One common toll-free phone number automatically directs you to a Flight Information Centre in the service area from which the call originates.

MANITOBA

Agency	Location	Telephone Number
Manitoba Workplace Safety and Health Branch (WSH)		
To Report an Incident 24-Hour Emergency	Manitoba-wide	1-855-957-SAFE (7233)
Manitoba Fire Commissioner - Inspection and Technical Services Manitoba		
Office (Daytime only)	Manitoba-wide	204-945-3373
Manitoba Environment, Climate and Parks		
<i>Note: The mandate of the Wildlife Branch is to protect wildlife resources.</i>		
Tip Line - Turn in Poachers - Report Forest Fires	Manitoba-wide	1-800-782-0076
Virден District Office (Daytime only)	Virден, MB	204-748-4240
Manitoba Transportation and Infrastructure		
Region 3 - South Western 24-Hour Emergency	Birtle, MB	204-842-7710
Region 3 - South Western - Maintenance Manager	Brandon, MB	204-726-6800
Manitoba Health Authority		
Winnipeg Regional Health Authority 24-Hour Emergency	Winnipeg, MB	204-926-7000
Southern Health – Sante Sud Region 24-Hour Emergency	Notre Dame de Lourdes, MB	204-248-7250
Manitoba Workers' Compensation Board (WCB)		
Headquarters (Toll Free)	Manitoba-wide	1-855-954-4321

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Equipment Type	Quantity	Location
Communications Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
General Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
Vehicle Equipment		
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	

9.3.2 Personal Protective Equipment (PPE)

All PMC operators are required to wear Canadian Standards Association (CSA) - approved:

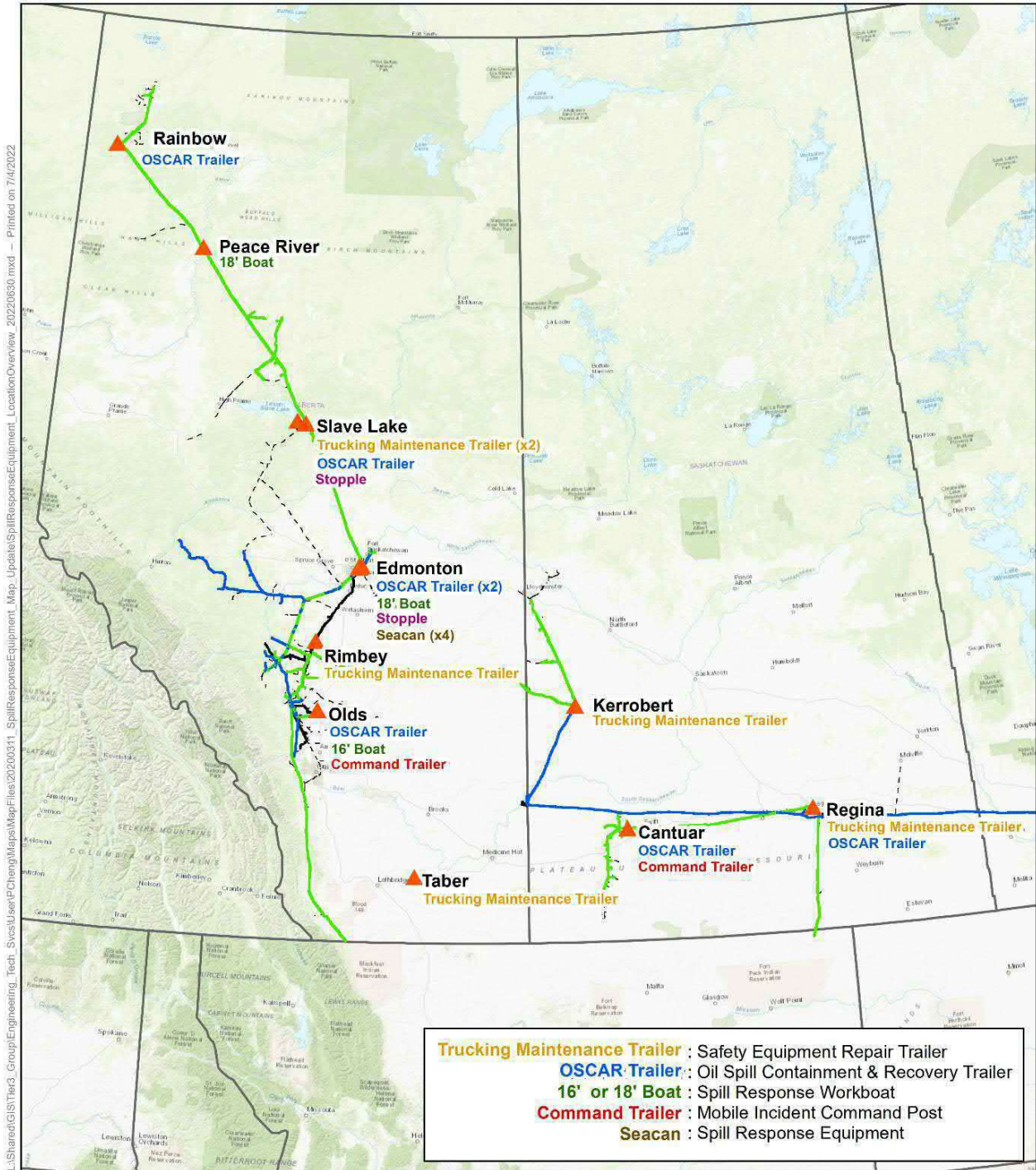
- Steel-toe boots
- Gloves
- Safety glasses
- Hard hats
- Fire retardant work wear with reflective striping
- Personal gas monitors

9.3.3 PMC Response Equipment

PMC has spill response equipment at locations per the map on the following page. For information on full inventories please see the Emergency Management SharePoint site:

[REDACTED]

- Emergency Response Resources & templates
- Response Equipment




DISCLAIMER:
 Although there is no reason to believe there are any errors associated with the data used to generate this product or in the product itself, PLAINS MIDSTREAM CANADA shall assume no liability for any inaccurate, delayed or incomplete information, and will not be held responsible for any loss arising from the reliance on this information.

Legend

- ▲ PMC Spill Response Equipment Location
- Active PMC Pipelines By Product**
- HVP-NGL
- LVP
- - - Inactive PMC Pipeline

**PMC Spill Response Equipment Locations
 June 2022**

0 50 100 200 300 400 Kilometers

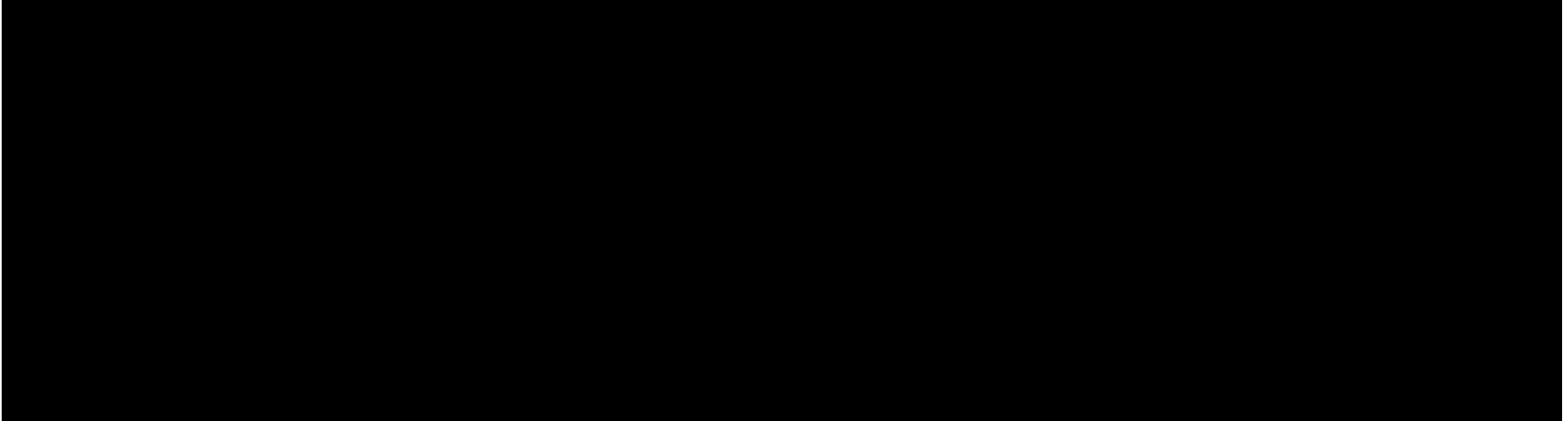
Plains Midstream Canada
 1450 - 607 - 8th Ave SW
 Calgary, AB T2P 0A7
 +1 (403) 298-2100

TEAM: GIS		000-MAP-0000-0000	
CREATE	TBD	TBD	
MODIFY	mmmmmm	04 Jul 2022	Rev A
CHECK	TBD	TBD	Figure 1
APPROVE	TBD	TBD	

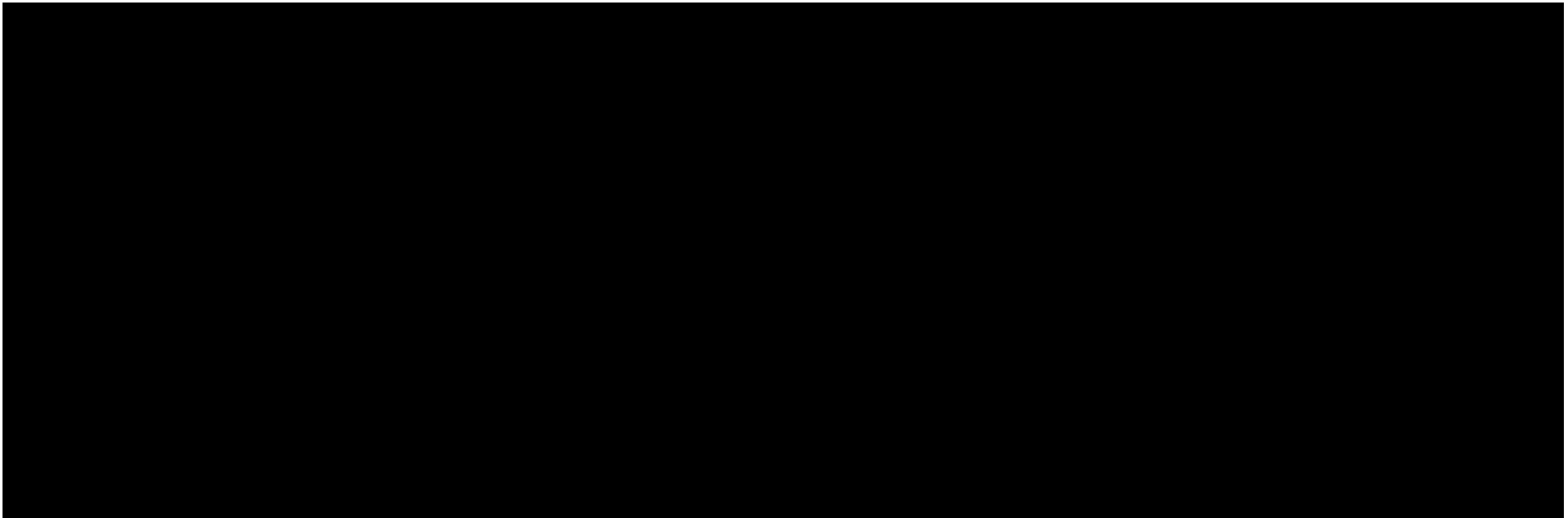
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9.4 Technical Data

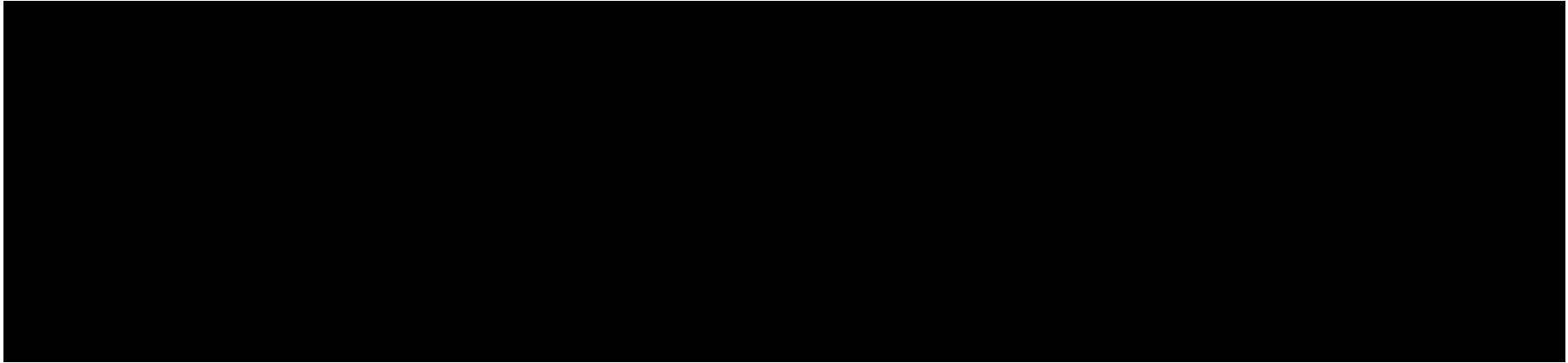
9.4.1 Pipelines



9.4.2 Block Valves



9.4.3 Facilities



PIPELINE SECTION 9

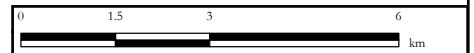
FROM 844km (MLV 845A and MLV 845B - Portage Trap Site)
TO 932.7km (Winnipeg Fort Whyte Terminal)
MAP 1 of 2



Draft Date: June 3, 2019 DS Scale: 1:120,000 Map: 8803
Revision Date: August 5, 2022 TS UTM ZONE 14 NAD83



- | | | | |
|----------------------|---------------------|---------------------|------------------------------------|
| Third Party Facility | Occupied | Abandoned | Urban Area |
| HOV/MOV | Sensitive | Bridge | First Nations Reserve |
| Manual | Colony | Communication Tower | Protected Area |
| Third Party Pipeline | Surface Development | Dead End | Agriculture & Resource Development |
| Oil Pipeline | Farm Use Area | Gravel Pit | Health Authority |
| Other Roads | Locked Gate | Power Station | RCMP |
| Divided Hwy | Rail Crossing | Hydrology | Local Authority |
| Trails | Waterbody | EPZ | Egress EPZ |
| Airfield | | | |
| Railway | | | |



PIPELINE SECTION 9

FROM 844km (MLV 845A and MLV 845B - Portage Trap Site)
TO 932.7km (Winnipeg Fort Whyte Terminal)
MAP 2 of 2

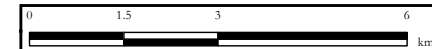


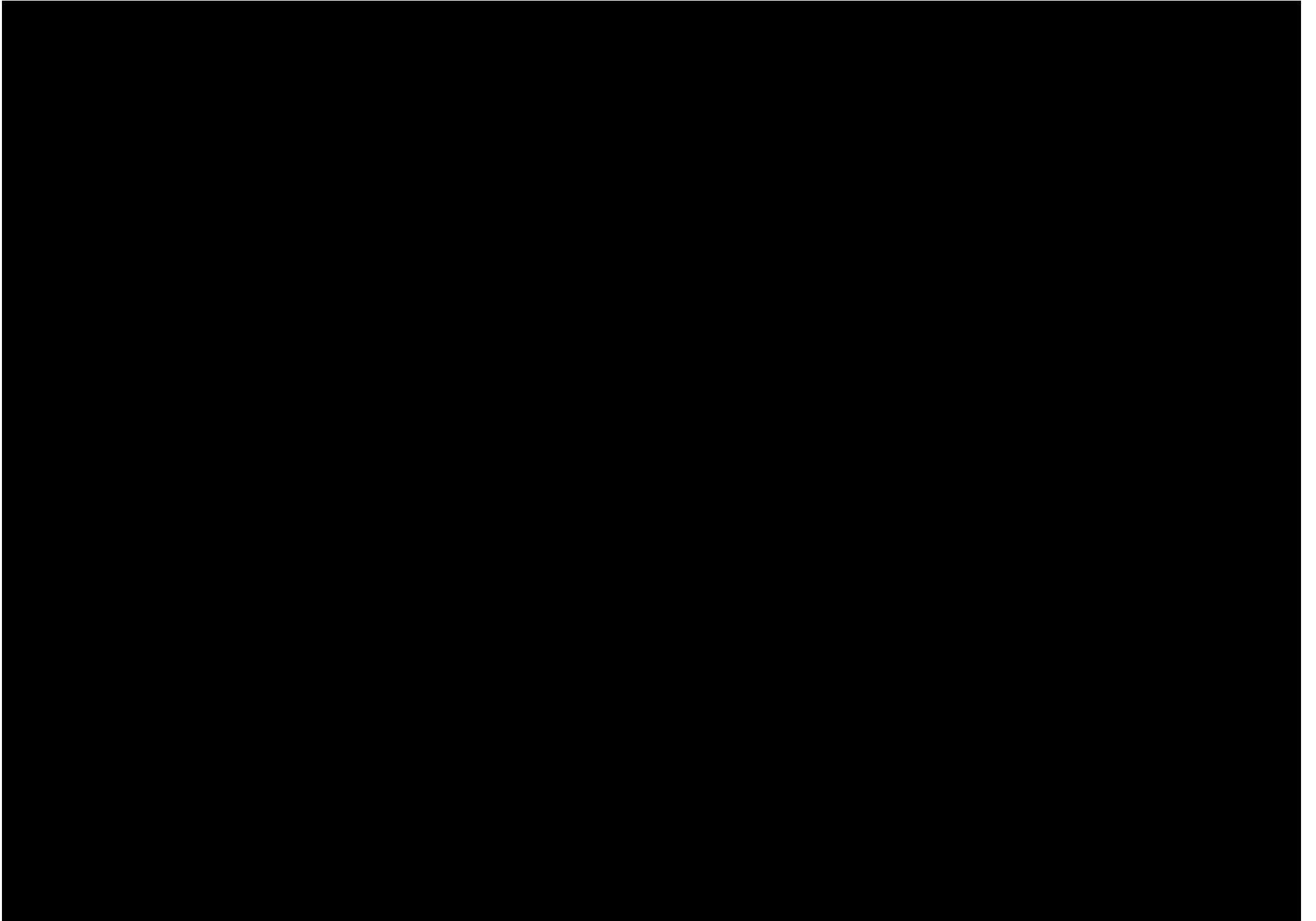
Draft Date: June 3, 2019 DS Scale: 1:120,000 Map: 8804

Revision Date: September 13, 2022 FSC UTM ZONE 14 NAD83



Third Party Facility	Occupied	Abandoned	Urban Area
Facility	Sensitive	Airstrip	First Nations Reserve
HOV/MOV	Business	Bridge	Protected Area
Manual	Vacant	Communication Tower	Natural Resources & Northern Development
Third Party Pipeline	Colony	Dead End	Health Authority
Oil Pipeline	Occupied Facility	Farm Use Area	RCMP
Other Roads	Surface Development	Locked Gate	Local Authority
Main Hwy		Power Station	EPZ
Divided Hwy		Recreation Area	E2 Zone
Trails		Waste	Egress EPZ
Airfield		Rail Crossing	Other PMC System EPZ
Railway		Hydrology	
		Waterbody	







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9.6 Local Public Information

Industrial Operators

Company	Telephone Number
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]



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The following confidential Personal information is only included in designated emergency response plan copies and is contained within a sealed envelope.



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SECTION 9.7: Environmental Emergency Plan **E2 ID #: 2608**

Overview 3

Location..... 3

Directions and Access 3

Environment and Climate Change Canada (ECCC) Regulated Substances 4

Characteristics of the Facility and the Surrounding Area 5

Response Considerations..... 6

Roles & Responsibilities 6

Training 7

Public Communication 8

Local Authority Communication 8

Facility Map and Plot Plan..... 9

Facility Site Section (11x17 Insert)..... 9

Substance Specific Properties & Emergency Management..... 9

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Overview

The on-site storage tanks located at the PMC Fort Whyte Terminal are regulated under the *Canadian Environmental Protection Act, 1999* as the substances stored (Butane, Propane, Isobutane and Ethyl Mercaptan) are in excess of the threshold limits listed in Schedule 1. Therefore, an Environmental Emergency Plan (E2 Plan) has been prepared for the Fort Whyte Terminal to meet *Environment and Climate Change Canada Environmental Emergency Regulations, 2019: SOR/2019-51*.

The Fort Whyte Terminal is located at 01-27-09-02 W1M, approximately 1 kilometer west of Winnipeg, Manitoba. The terminal is associated with Pipeline Section 9. Operation and maintenance of the PPTC Pipeline System begins from the PMC Empress 6 Plant in Alberta and travels east through Saskatchewan, and terminates at the Fort Whyte Terminal in Winnipeg, Manitoba. The PPTC pipeline is 933 kilometres in length with the majority of its path running parallel to a TC Energy (TCPL) pipeline.

Regulatory agency E2 Registration Reference:

Environment and Climate Change Canada (ECCC) – E2 ID #: 2608 (Fort Whyte Terminal)

Note: In order to meet the Environment Canada and Climate Change Training and Simulation Exercise Requirements SOR/2019-51 – Section 7(1) (a) (b), Table Top Exercises must be performed annually for all E2 registered sites, including a more extensive simulation exercise every five years. Refer to the Training Section of this document for additional information.

Location

[Redacted location information]

Directions and Access

[Redacted directions and access information]

Environment and Climate Change Canada (ECCC) Regulated Substances

Substances listed below meet the ECCC threshold for registration and an Environmental Emergency Plan under the Canadian Environmental Protection Act. It is not a complete list of all storage at the facility.

Substance Details	Name	Propane	Ethyl Mercaptan
	ECCC Regulated Substance	Propane	Ethyl Mercaptan
	CAS #	74-98-6	75-08-1
	UN #	1978	2363
	ECCC Hazard Category	Explosive	Explosive
Quantity ¹	Tank volumes	611 - 342 m ³ 612 - 342 m ³ 613 - 342 m ³ 614 - 342 m ³	Bullet - 11 m ³
	Maximum Expected Quantity	796.18 tonnes (1,368 m ³)	9.09 tonnes (11 m ³)
	Single Largest Container Capacity	199.04 tonnes (342 m ³)	9.09 tonnes (11 m ³)
E2 EPZ (m)		200	160
E2 Worst Case Zone (m)		1200	300

Notes:

- E2 Worst Case Zone: is the zone based on the full release of the Maximum Expected Quantity of the substance. This is considered the worst case scenario.
- E2 EPZ (Emergency Planning Zone): is the zone based on a more likely to occur scenario which includes a partial release of the substance. This is considered the alternate case scenario.
- The E2 EPZ is the zone used to define where Public Communication should take place prior to an Environmental Emergency.
- Additional information regarding the scenarios and modelling methodology can be found on the back of the Substance Specific Properties & Emergency Management pages located in the attachments.
- Refer to the 2020 Emergency Response Guidebook (ERG) or App for additional information on Initial Isolation and Protective Action Distances for spills and fire safety based on substance: <https://www.tc.gc.ca/eng/canutec/emergency-response-guidebook.html>

¹Maximum expected quantity and largest container capacity in m³ for Butane, Propane, Isobutane and Ethyl Mercaptan was calculated using the maximum expected quantity and largest container capacity in tonnes and the density of the pure substance (Butane, Propane, Isobutane and Ethyl Mercaptan).

Characteristics of the Facility and the Surrounding Area

ECCC Sensitive Receptors	Inside the E2 EPZ	Notes
Child care and educational facility(ies)	No	
Health care facility(ies)	No	
Senior citizen's and long-term facility(ies)	No	
Residential building(s)	Yes	
Commercial building(s) (e.g. shopping malls, restaurants)	No	
Fire station(s)	No	
Industrial building(s)	No	There is one Plains Midstream oil and gas related facility in the EPZ.
Highway(s)	Yes	Highways 100 and 330 run through the EPZ
Railway station(s)	Yes	Railway runs through EPZ. Canadian Pacific Railway - 800-716-9132 Railway crossing number 24229.
Bus station(s)	No	
Airport(s)	No	
Groundwater well(s) or intake(s) to drinking water systems	No	
Water body (ies) (e.g. rivers, lakes, and oceans)	No	
Park(s) or forest(s)	No	
Fish and wildlife habitat area(s)	No	
Other(s) (e.g. campgrounds, etc.)	No	

Response Considerations

Response Considerations	Notes
Cities/Towns/Villages	<ul style="list-style-type: none"> Winnipeg is 1 km east of the Fort Whyte Terminal
First Nations Reserves	<ul style="list-style-type: none"> N/A
Communication Considerations	<ul style="list-style-type: none"> Personnel working in the EPZ that would be difficult to notify / contact in the event of an emergency Areas without cell reception
Access Considerations	<ul style="list-style-type: none"> Personnel working in the area that would have no egress in the event of an emergency Roadblocks that someone would have to pass through the hazard area to get to Winter roads Roads that are impassible in certain weather

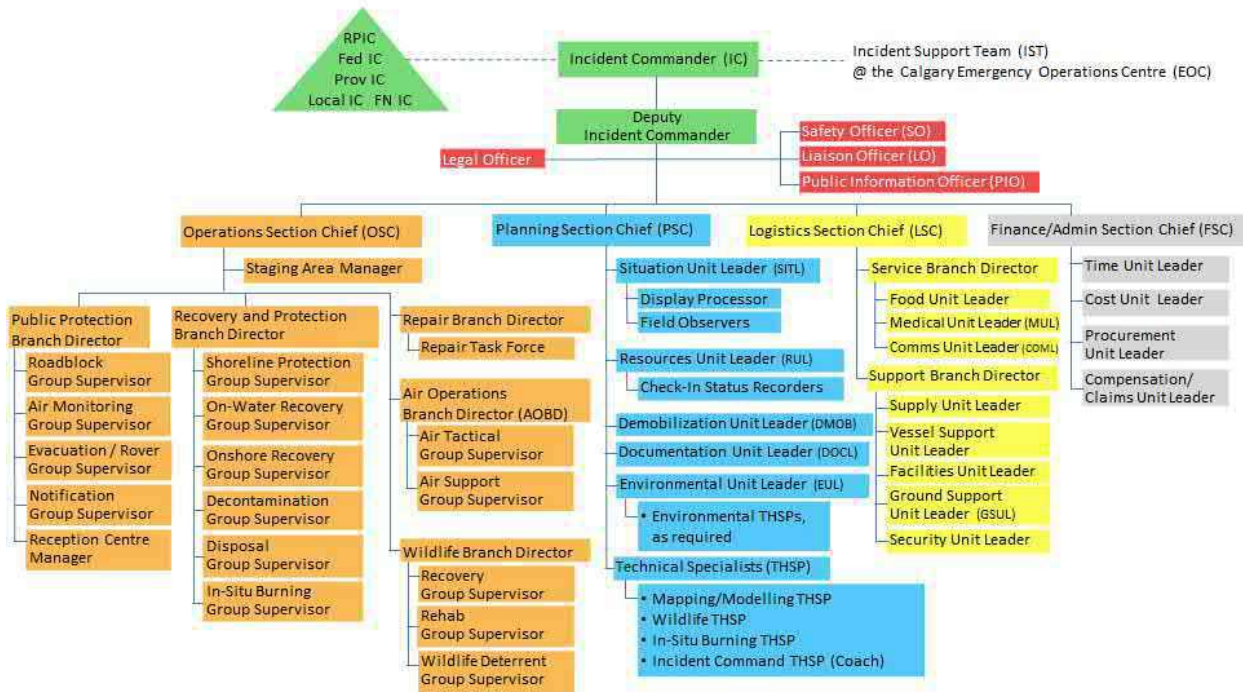
Please refer to the Facility Map for additional details.

Roles & Responsibilities

For Position Titles and Roles & Responsibilities, refer to *Section 2: Roles & Responsibilities* in the Corporate ERP.

Training

Response personnel that could potentially fill the roles and may be involved in the training are identified in the IMT Organizational Chart included below. PMC will fill appropriate roles based on specific incident requirements



To meet E2 requirements for a simulation exercise:

- One substance from each hazard category must be exercised.
- The environmental emergency scenarios must be cycled through (a different one each year).

For full training requirements, refer to *Section 7.1: Concordance Table, Sub-Section 7.1.3: Environmental Emergency Regulations (SOR/2019-51)* and *Section 7.2: Training Requirements* located in the Corporate ERP.

Public Communication

Plains Midstream Canada has created a Public Information Handout (PIH) to discuss the following:

- the possibility that the environmental emergency could occur,
- the potential effects of the environmental emergency on the environment and on human life or health, taking into account the substance, the activity the substance is used, and the facility and surrounding area features.
- the measures that will be taken to protect the environment and human life or health
- the means of communications in the event that the environmental emergency occurs

The PIH was provided to any surface developments within the E2 EPZ as well as mailed out to Area Users (Oil and Gas Operators, Railways, Trapper, Guides & Outfitters, Grazing Leases, and Forestry Management Units). Emergency contact information was gathered for the surface developments within the E2 EPZ and has been included within this plan.

Plains Midstream's Public Safety Group Supervisor (or delegate) would be responsible for communicating with members of the public who may be adversely affected by an environmental emergency, during and after the emergency, with information and guidance concerning the actions that could be taken to reduce the potential harm to the environment and danger to human life or health, including an explanation of how those actions may help to reduce the harm or danger.

Related information can be found in the Corporate ERP in the following sections:

- *Section 2: Roles & Responsibilities*
- *Section 5: Communications & Media*

Local Authority Communication

Plains Midstream Canada consulted with the local authority in the development of the Emergency Response Plan (ERP) regarding their roles & responsibilities in the event of an emergency. A copy of this is included in Section 8: Government Agencies and Local Authorities of this ERP.

The local authority, RCMP and local fire departments were provided with a copy of:

- the Public Information Handout (PIH).
- the Environmental Emergency Plan.

Facility Map and Plot Plan

For Facility Map - Please refer to the back of the 11x17 site section.

For Plot Plan – Please refer to *Sub-Section: 9.5 2 Plot Plans* of this ERP

Facility Site Section (11x17 Insert)

Refer to the Facility Site Section for the following:

- Operations Summary – the commercial, manufacturing, processing or other activity involving the substance that takes place at the facility.
- Phone List

Substance Specific Properties & Emergency Management

Page(s) specific to the substances stored at the facility are included as an attachment.

These pages include:

- Properties and Characteristics of the substance
- The identification of what environmental emergencies could occur and the potential harm
- Preventative, Preparedness, Response and Recovery actions that could potentially be taken

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**FORT WHYTE TERMINAL
PPTC PIPELINE SYSTEM**



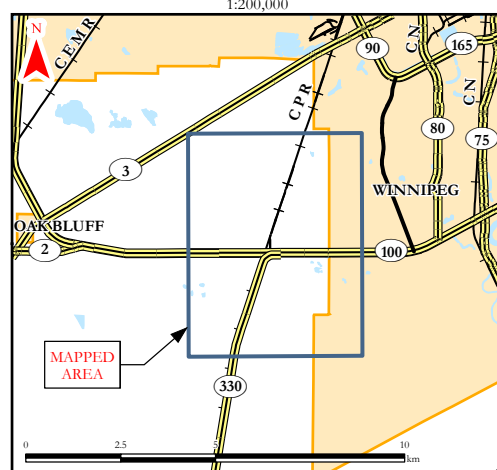
Draft Date: June 28, 2019 DS Scale: 1:18,000 Map: 8808

Revision Date: August 5, 2022 TS UTM ZONE 14 NAD83



AREA OVERVIEW MAP

1:200,000



- | | | |
|------------------------|------------------------|------------------------|
| ■ Third Party Facility | ⊗ Rail Crossing | ☁ Waterbody |
| ■ Facility | ■ Occupied Facility | 🏠 Health Authority |
| ⚡ HOV/MOV | 🏗️ Surface Development | 🏢 Local Authority |
| ⏸ Manual | 📡 Communication Tower | 👮 RCMP |
| — Third Party Pipeline | ⓧ Locked Gate | 🏘 Urban Area |
| — Oil Pipeline | ▲ Waste | 🟡 E2 EPZ |
| - - - Other Roads | | 🔴 E2 Worst Case Zone |
| - - - Street | | ⊖ Other PMC System EPZ |
| ▬ Divided Hwy | | |
| — Railway | | |
| - - - Trails | | |

Physical Properties

Chemical Formula	C3H8
Flash Point	-104 ° C
Boiling Point	-42.1 ° C
Lower Explosive Limit (LEL)	2.1%
Upper Explosive Limit (LEL)	9.5%
Autoignition Temperature	450 ° C
Vapor Density (Air = 1)	1.5
Water Solubility	0.01%
IDLH	2100 ppm

General Description

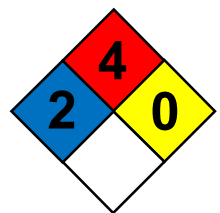
A colorless gas with a faint petroleum-like odor. It is shipped as a liquefied gas under its vapor pressure. For transportation it may be stenciled.

Contact with the unconfined liquid can cause frostbite by evaporative cooling.

Easily ignited. The vapors are heavier than air and a flame can flash back to the source of leak very easily. The leak may be either a liquid or vapor leak.

The vapors can asphyxiate by the displacement of air.

Under prolonged exposure to fire or heat the containers may rupture violently and rocket.

NFPA Diamond	Hazard	Rating	Description
	Health	Hazardous	Can cause temporary incapacitation or residual injury.
	Flammability	Flash Point below 73 °F	Burns readily. Rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature.
	Instability	Stable	Normally stable, even under fire conditions.
	Special		

Information on this page is from CAMEO Chemicals and the Transport Canada Emergency Response Guide

ECCC Hazard Category

E

EXPLOSION

CAS # 74-98-6

UN # 1075

TC ERG Guide # 115

POTENTIAL HAZARDS

FIRE OR EXPLOSION

• EXTREMELY FLAMMABLE.

- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.
- Ruptured cylinders may rocket.



HEALTH

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be irritating if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.



PUBLIC SAFETY

- As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).



PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.
- Always wear thermal protective clothing when handling refrigerated/cryogenic liquids.

PUBLIC SAFETY

EVACUATION

Large spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.

EMERGENCY RESPONSE

FIRE

- DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED

Small Fire

- Dry chemical or CO₂.

Large Fire

- Water spray or fog.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.



EMERGENCY RESPONSE

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- Do not direct water at spill or source of leak.
- Prevent spreading of vapors through sewers, ventilation systems and confined areas.
- Isolate area until gas has dispersed.

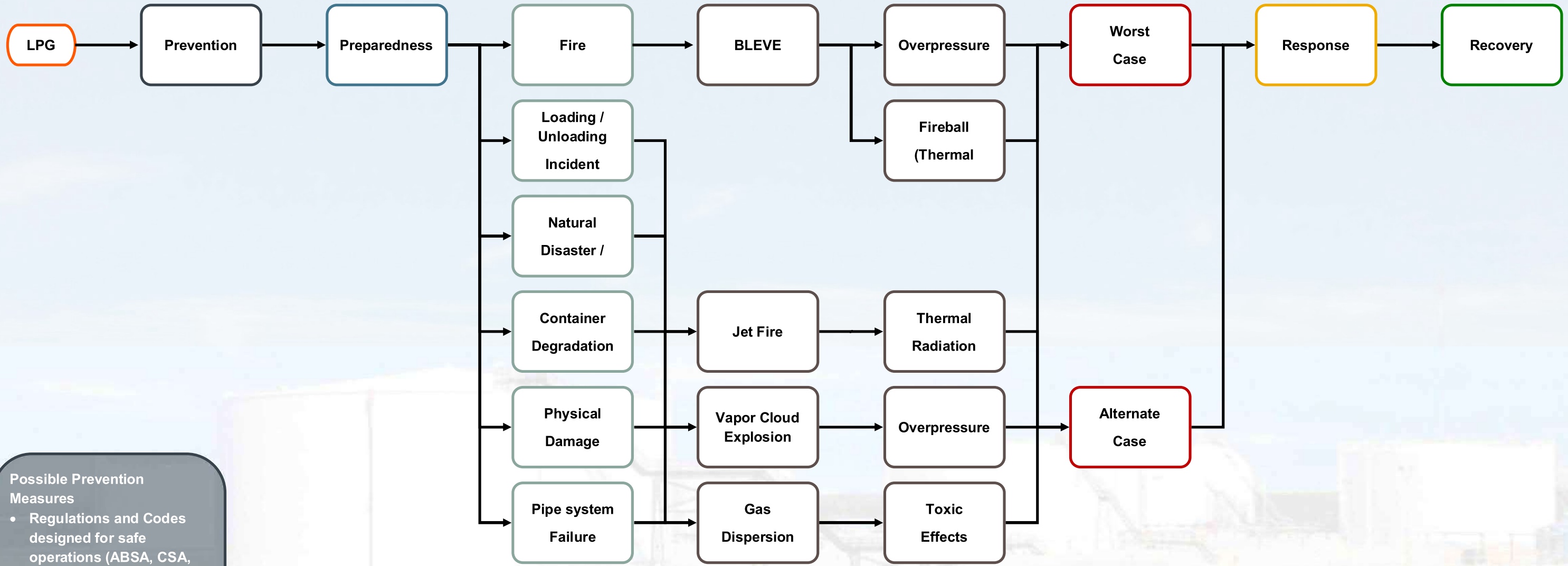
CAUTION: When in contact with refrigerated/cryogenic liquids, many materials become brittle and are likely to break without warning.

FIRST AID

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.



Propane



- Possible Prevention Measures**
- Regulations and Codes designed for safe operations (ABSA, CSA, ASME, ANSI, NFPA)
 - Emergency Shutdown Valves (ESD's)
 - Pressure Safety Valve (PSV)
 - Excess Flow Valve
 - Breakaway Couplings
 - Discharge to Flare
 - Gas Detection
 - Fire Eyes
 - Maintenance Program
 - Physical Barriers
 - Site Security
 - Driver Competency Program
 - SOP's for loading and unloading
 - Signage and Labels

- Possible Preparedness Measures**
- Emergency Response Plan (ERP)
 - Training and Exercises
 - Keeping Response equipment on-site and in good order
 - Audits of the Incident Command Post (ICP)
 - Incident Command System (ICS) Certification
 - Response Software

- Possible Harm to the Environment**
- Wildfire / Forest Fire
 - Air Emissions
 - Permanent loss of plants and animals
 - Permanent Disability
 - Contaminating water and/or land
 - Cascading effects leading to the release of a toxic substance

- Possible Danger to Human Health**
- Fatality
 - Permanent Disability
 - Lost Time Injury
 - First Aid
 - Cascading effects leading to the release of a toxic substance

- Possible Response Actions**
- Evacuate
 - Alarm
 - Call 911 (if required)
 - Assess
 - Protect
 - Rescue
 - First Aid
 - Medical Aid
 - Initiate ERP

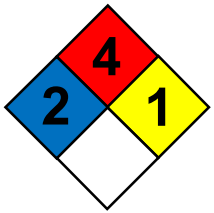




- Possible Recovery Actions**
- Incident Investigation
 - Root Cause Analysis
 - Environmental cleanup and remediation
 - Facility repair and equipment replacement
 - Review and revise equipment and processes at other locations
 - Share learnings

Physical Properties

Chemical Formula	C2H6S
Flash Point	< -18 ° C
Boiling Point	34 ° C
Lower Explosive Limit (LEL)	2.8%
Upper Explosive Limit (LEL)	18%
Autoignition Temperature	300 ° C
Vapor Density (Air = 1)	Not Available
Water Solubility	0.7%
IDLH	500 ppm

General Description

A clear colorless low-boiling liquid with an overpowering, garlic-like/skunk-like odor.
Less dense than water and very slightly soluble in water.
Vapors are heavier than air. Vapors may irritate nose and throat.
May be toxic if swallowed, by inhalation or by contact.
Added to natural gas as an odorant. Used as a stabilizer for adhesives.

NFPA Diamond	Hazard	Rating	Description
	 Health	Hazardous	Can cause temporary incapacitation or residual injury.
	 Flammability	Flash Point below 73 °F	Burns readily. Rapidly or completely vaporizes at atmospheric pressure and normal ambient temperature.
	 Instability	Stable	Normally stable but can become unstable at elevated temperatures and pressures.
	 Special		

Information on this page is from CAMEO Chemicals and the Transport Canada Emergency Response Guide

ECCC Hazard Category

E

EXPLOSION

CAS # 75-08-1

UN # 2363

TC ERG Guide # 129

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.



HEALTH

- May cause toxic effects if inhaled or absorbed through skin.
- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire will produce irritating, corrosive and/or toxic gases.
- Vapors may cause dizziness or suffocation
- Runoff from fire control or dilution water may cause pollution.



PUBLIC SAFETY

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Ventilate closed spaces before entering.



PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

PUBLIC SAFETY

EVACUATION

Large spill

- Consider initial downwind evacuation for at least 300 meters (1000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

CAUTION: All these products have a very low flash point: Use of water spray when fire fighting may be inefficient.

Small Fire

- Dry chemical, CO₂, water spray or alcohol-resistant foam.

Large Fire

- Water spray, fog, or alcohol-resistant foam.
- **Do not use straight streams.**
- Move containers from fire area if you can do it without risk.

Fire involving Tanks

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.



EMERGENCY RESPONSE

SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Prevent entry into waterways, sewers, basements or confined areas.
- A vapor-suppressing foam may be used to reduce vapors.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean, non-sparking tools to collect absorbed material.

Large Spill

- Dike far ahead of liquid spill for later disposal.
- Water spray may reduce vapor, but may not prevent ignition in closed spaces.

FIRST AID

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.
- Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.



ETHYL MERCAPTAN

