

## DISCLAIMER

This Emergency Response Plan has been designed to provide a series of guidelines for responding to emergency situations. This plan identifies, defines and provides specific actions for emergencies that could occur at an Oil and Gas facility. This plan provides a logical and responsible approach to addressing and resolving those emergencies.

Verification of the information contained in this plan is the sole responsibility of the client. DataSafe does not accept any liability arising from the implementation or use of this plan.

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### HOW THE PLAN WORKS

***\*\*Note: This document's intended use is initial response. To effectively manage an emergency, the Incident Commander should reference the Corporate Master Emergency Response Plan or Site Specific ERP.***

#### Key Personnel

This plan focuses activities and responsibilities through the **Incident Commander** and the **On-Scene Commander** at the Site. These two key individuals must be in regular communication to organize and coordinate the response and recovery. They are responsible to delegate tasks to ensure each of the STEPS assigned to them is completed.

The role of the Incident Commander is to implement the company's emergency response and ensure the actions of all members of the response team are executed in an effective manner. The steps for **Incident Commander** have been separated to reduce confusion and provide specific direction that applies primarily to them. The role is to provide support and direction to the site response team.

The **On-Scene Commander** section contains a series of STEPS to enable the responder to assess and organize a response team and implement the mandatory actions associated with a given situation.

#### Response Assessment

All situations need to be categorized as to the level of the emergency. Classification establishes the potential impact on the public and defines a series of mandatory action associated with the classification. There are four incident classification levels used to define an emergency:

1. **Alert** - An incident that can be managed on site through normal operating procedures
2. **Level 1** - No immediate Public Hazard
3. **Level 2** - Potential Hazard to the Public
4. **Level 3** - Definite Public Hazard

A detailed definition along with the examples and response guide of each level is contained in the **Response Assessment** section of this manual.

#### Response Summary

The action steps of the Incident Commander and On-Scene Commander list the key actions associated with any type and level of the emergency.

The company must organize and deploy a Response Team to manage their response to an emergency.

If applicable activate the Site Specific ERP for the location on the incident.

# INTRODUCTION

## WHERE TO START

Go to **Response Summary Tab**:

**If you are the Incident Commander:** Go to the **Incident Commander** response summary - Step 1

**As a delegated On-Scene Commander:** Go to the **On-Scene Commander** response summary - Step 1

## GENERAL STRUCTURE AND CONTENTS

### Response Assessment:

This provides a quick reference pullout to help categorize the level of an emergency. The corresponding actions are at a summary level to inform the reader as to the general emergency response process.

### Response Zones

Based on the type of event, various zones of response are defined. These zones define areas of Public Protection actions starting nearest to the event and expanding outward.

### Response Summary

The action steps of the Incident Commander and On-Scene Commander list the key actions associated with any type and level of the emergency. The Mandatory Actions section defines specific notification and actions associated to a specified event type.

### Property/Corporate Contact Information:

Contains contact information for operating personnel and lead government agencies specific to this field location.

### Government Contact Information: (Not included in Site Specific Manuals)

Contains contact information for provincial government agencies specific to this location.

### Public Protection Measures:

Detailed information to assist the Response Team to prepare for and execute public protection measures within and beyond the various response zones.

### Ignition Criteria

Provincial ignition criteria and procedures.

### Forms

Key forms to assist with the initial response.



# INCIDENT CLASSIFICATION AND RESPONSE

## Emergency Response Plan

### Emergency Preparedness and Response Requirements

All incidents are classified as an alert or as a level-1, -2, or -3 emergency. Incidents that can be handled on site through normal operating procedures are very low risk and are typically defined as an **alert**. Those with low to high risk require a more difficult or complex resolution and are defined as **emergencies**.

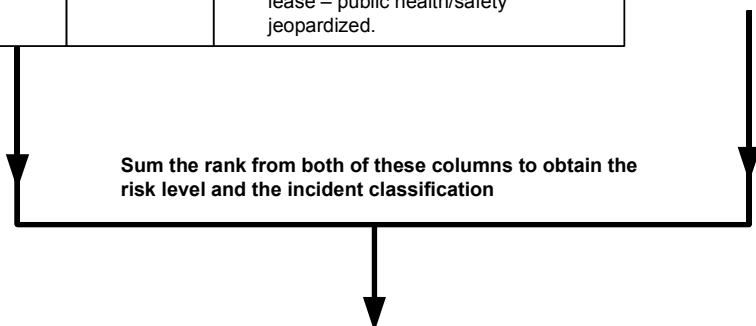
#### Assessment Matrix for Classifying Incidents

Use this Assessment Matrix to classify the Level of Emergency of an incident.

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

Rank	Descriptor	Description
1	<b>Unlikely</b>	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.
2	<b>Moderate</b>	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.
3	<b>Likely</b>	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.
4	<b>Almost certain or currently occurring</b>	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.

\* What is the likelihood that the incident will escalate, resulting in an increased exposure to public health, safety, or the environment?



Risk Level	Assessment results
Very low 2-3	<b>Alert</b>
<b>Low</b> 4-5	<b>Level-1 emergency</b>
<b>Medium</b> 6	<b>Level-2 emergency</b>
<b>High</b> 7-8	<b>Level-3 emergency</b>

# INCIDENT CLASSIFICATION AND RESPONSE

## Emergency Response Plan

### Emergency Response Matrix

Use this matrix as a guide to ensure appropriate communications, actions and resources are employed to respond to an incident.

Incident Classification				
Responses	Alert	Level-1 Emergency	Level-2 Emergency	Level-3 Emergency
<b>Communications</b>	<b>Internal</b>	Discretionary, depending on licensee policy	Notification of off-site management.	Notification of off-site management.
	<b>External Public</b>	Courtesy, at licensee discretion.	Mandatory for individuals who have requested notification within the EPZ.	Planned and instructive in accordance with the specific ERP.
	<b>Media</b>	Reactive, as required.	Reactive, as required.	Proactive media management to local or regional interest.
	<b>Government</b>	Notify Lead Government Agency.	Notify Lead Government Agency. Call local authority and health authority if public or media is contacted.	Notify Lead Government Agency, local authority and health authority.
<b>Actions</b>	<b>Internal</b>	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. Corporate management team alerted and may be appropriately engaged to support on-scene responders.
	<b>External</b>	On site, as required by licensee.	On site, as required by licensee.	Potential for multiagency (operator, municipal, provincial or federal) response.
<b>Resources</b>	<b>Internal</b>	Immediate and local. No additional personnel required.	Establish what resources would be required.	Limited supplemental resources or personnel required.
	<b>External</b>	None.	Begin to establish resources that may be required.	Possible assistance from government agencies and external support services, as required.



# RESPONSE ZONES

## **Emergency Planning and Response Zones**

### **Emergency Planning Zone (EPZ)**

An EPZ is a geographical area surrounding a well, pipeline or facility containing hazardous product that requires specific emergency response planning by the licensee.

- During any operation involving H<sub>2</sub>S or HVP product, the licensee must ensure that on-site supervisory personnel are aware of the size of the EPZ.

### **Response Zones**

Whereas the EPZ is used for planning purposes and reflects 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. A licensee should also be aware that a different type and size of response zone could be established by the RCMP/police if a bomb has been confirmed at a pipeline, well or facility (i.e., in accordance with existing protocols).

### **Initial Isolation Zone (IIZ)**

The IIZ defines an area in close proximity to a continuous hazardous release where indoor sheltering may provide limited protection due to proximity of release.

- If safe to do so, the licensee must attempt to evacuate the residents from the IIZ.

### **Protective Action Zone (PAZ)**

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.

# RESPONSE ZONES

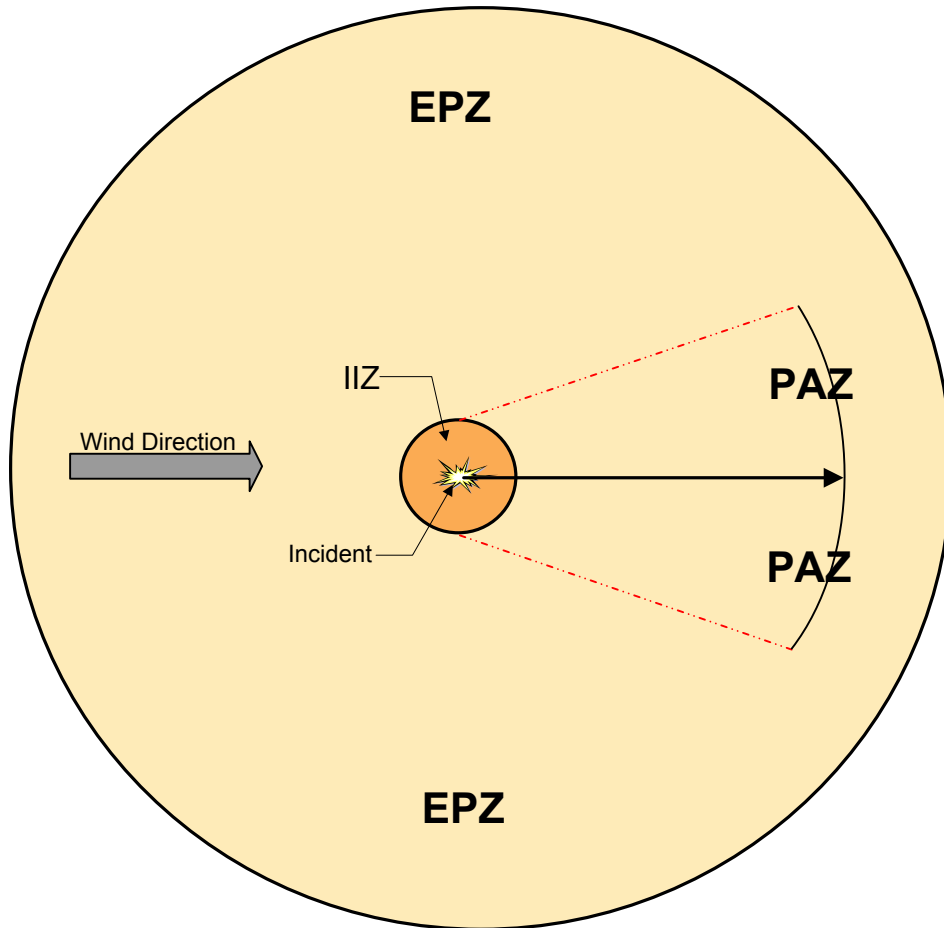


Figure: Initial Isolation Zone and Protective Action Zone, for illustration purposes only

## RESPONSE ZONES

### Isolation Strategy

### Emergency Response Plan

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#### Isolation Strategy

The IIZ is the area that is in close proximity to the incident. Isolation of this area is the initial primary focus. Determine all access routes to the IIZ and dispatch Roadblock Crew members to isolate this Response Zone.

Determine the PAZ related to the incident. Establish a roadblock strategy based on isolating the PAZ with the use of maps of the area. Dispatch the Roadblock Crew to designated locations and secure this Response Zone. RCMP or police services may not be able to provide significant assistance.

If a railway passes through the EPZ it will be necessary to contact the railway and advise them of the situation.

Roadblocks on highways designated with one and two digits should be setup in consultation with provincial transportation department and RCMP. For highways designated with three digits, contact the local county or municipal authority. Contact Municipal Affairs, Emergency Management and advise them of the situation.

It may be necessary to obtain an FH (Fire Hazard) Order, issued by the Energy Resources Conservation Board. The Local Authority may declare a Local State of Emergency. The regulating agency may also request that NAV Canada issue a Notice to Airmen (NOTAM) advising restrictions on the airspace above the Emergency Planning Zone.

All Response Team personnel will use a portable monitoring device. Readings of 10 ppm H<sub>2</sub>S will be used to determine perimeter changes to the area affected by the emergency.

## RESPONSE ZONES

### Monitoring Strategy - H<sub>2</sub>S, SO<sub>2</sub> and HVP Product

Air quality monitoring is used for tracking and recording the presence and concentrations of H<sub>2</sub>S during a sour gas release and SO<sub>2</sub> following the ignition of the release or the presence and lower explosive limit (LEL) of HVP product following a release.

Air Quality Monitoring is used to:

- track the plume,
- determine if ignition concentration criteria are met,
- determine whether evacuation and/or sheltering concentration criteria have been met,
- assist in determining when the emergency status can be downgraded,
- determine roadblock locations, and
- determine concentrations in areas being evacuated to ensure that evacuation is safe.

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, and
- local conditions

Air quality monitoring must occur downwind and at right angles to the release, with priority being directed to the nearest unevacuated residence or areas where people may be present. During and HVP Product release monitoring may occur downwind or upwind depending on how the plume is tracking.

The licensee is expected to provide monitored H<sub>2</sub>S and SO<sub>2</sub> information, or in the case of an HVP Product Release, HVP Product LEL information on a regular basis throughout a sour gas emergency to Alberta Environment, the ERCB, Alberta Health Services, and Local Authorities and on request to the public.

The implementation of public protection measures begins with an understanding of current and expected weather conditions and with knowledge of the position of the plume. Mobile air quality monitoring devices are designed to obtain this information to determine:

- the limits of the flammable or explosive region of a dispersing vapour cloud,
- the gas concentrations at manned roadblocks and in areas being evacuated; this information is required to ensure that people at these locations remain safe and that evacuation can take place safely, and
- when a decision to downgrade or stand-down an emergency can be made.

Personnel assigned as the Monitoring Crew, will monitor air quality initially focusing on the IIZ and to determine the PAZ. Monitoring activities must be deployed to ensure continuous detection of the leading edge of the plume to define and react to the changing nature of the area affected by the emergency.

A shift in wind direction will require immediate re-evaluation of the PAZ.

## RESPONSE ZONES

All Response Team personnel will use a portable monitoring device. The following requirements for evacuation will be used when monitoring:

### **1 to 10 ppm (3 minute average)**

Individuals who requested notification so that they can voluntarily evacuate before any exposure to H<sub>2</sub>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.

**Note:** If monitored levels over the 3-minute interval are declining evacuation may not be necessary. Use proper judgment and consult with ERCB to determine if evacuation is required.

Dispatch mobile air monitoring unit(s) to the area of release and commence monitoring. When mobile units are on site, confer with mobile unit operator as to best location to position unit, H<sub>2</sub>S and SO<sub>2</sub> can be monitored to a level of 1 part per billion (ppb).

### **After Ignition**

The Monitoring Crew and Air Monitoring service will begin monitoring for SO<sub>2</sub> and continue monitoring for H<sub>2</sub>S from incomplete combustion. In the Response Zones and beyond the EPZ, public safety activities, isolation and evacuation must occur if sulphur dioxide reaches 5 ppm (15 minute average) or 1 ppm (3 hour average) or 0.3 ppm (24 hour average).

### **Monitoring Fire / Explosion**

Air quality monitoring is required to track and record the presence and concentrations of poisonous gas or other harmful exhaust vapours – monitor situation as required.

Air quality monitoring must occur downwind and at right angles to the release, with priority being directed to the nearest unevacuated residence or areas where people may be present.

Personnel assigned as the Monitoring Crew, will monitor air quality initially focusing on the area of immediate priority, which is adjacent to and downwind of the release. Monitoring activities must be deployed to ensure continuous detection of the leading edge of the plume to define and react to the changing nature of the area affected by the emergency.

All Response Team personnel will use personal portable monitoring devices. If dealing with sour gas, readings of 10 ppm (3 minute average) H<sub>2</sub>S will be used to determine changes to the perimeter of the area affected by the emergency. In a fire situation, SO<sub>2</sub> could be present. Public safety activities, isolation and evacuation must occur if sulphur dioxide reaches 5 ppm (15 minute average) or 1 ppm (3 hour average) or 0.3 ppm (24 hour average).

## RESPONSE ZONES

### Monitoring Strategy

### Emergency Response Plan

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When mobile units are on site, confer with mobile unit operator as to best location to position unit, H<sub>2</sub>S and SO<sub>2</sub> can be monitored to a level of 1 part per billion (ppb).

If dealing with other hazardous gases or vapours, set up air monitoring using appropriate methods.

The licensee is expected to provide monitoring results on a regular basis throughout the emergency to Alberta Environment, the ERCB, Alberta Health Services, and Local Authorities and on request to the public.



## Key Responders Actions Summary

### ON-SCENE COMMANDER

#### Gas Release / Fire & Explosion / Spills

A.	Assume On-Scene Commander Position			
B.	Response Assessment - Classify Level of Emergency (Alert, Level 1, Level 2 or Level 3)			
C.	Start Incident Log			
D.	Notify Incident Commander			
E.	Establish On-Site Command Post (OSCP)			
F.	Verify Status of On-Site Personnel			
Step 1.	Initiate Containment Procedures			
Step 2.	Begin Site Monitoring			
Step 3.	Determine Emergency Response Zones			
Step 4.	Assess Public Impacts in Response Zones			
Step 5.	Review Mandatory Contacts (Coordinate with Incident Commander)			
Step 6.	Determine Response Team Requirements			
Step 7.	Start Monitoring the Response Zones			
<b>IMPACT EXTENDS BEYOND THE LEASE</b>				
	<b>IIZ</b>	<b>PAZ</b>	<b>EPZ</b>	Beyond EPZ
Step 8.	Advise Public to Shelter	Advise Public to Shelter	Notify Public requesting early Notification.	Coordinate with Local Authorities
Step 9.	Assess Ignition Criteria (Sour Gas Release) Implement Ignition Procedures as Applicable			
Step 10.	Determine Evacuation Capability	Determine Evacuation Options and Capability		
Step 11.	Isolate the Area	Determine Isolation Points	Determine Isolation Points	
Step 12.	Search for Transients	Search for Transients	Search for Transients	
Step 13.	Evacuate Public if Safe to do so	Evacuate Public if Safe to do so	Advise Public to Shelter if they detect Sour Gas Odour.	Coordinate with Local Authorities
Step 14.	Coordinate with Lead Government Agency, Local Authorities and Regional Health Authorities as applicable.			
Step 15.	Adjust Roadblocks	Isolate the Area	Assess Isolation Points should Wind Direction change.	Coordinate with Local Authorities
Step 16.	Re-Assess the Situation			
Step 17.	Follow-up with Incident Commander			

#### Injury / Fatality

Step 1.	Initiate First Aid Procedures that can be Safely Performed			
Step 2.	Contact Additional Medical Services (911)			
Step 3.	Monitor Area for Hazard Assessment <ul style="list-style-type: none"> <li>• Ensure the Safety of the Injured Party and Site Responders</li> </ul>			
Step 4.	Isolate the Area Affected by the Emergency <ul style="list-style-type: none"> <li>• Protect the Scene of the Accident</li> </ul>			
Step 5.	Notify Mandatory Contacts			
Step 6.	Notify Incident Commander			
Step 7.	Commence Injury Incident Investigation			



## Key Responders Actions Summary

INCIDENT COMMANDER				
Step 1.	Assume Incident Commander Position			
A.	Get as much Information about the Situation as possible.			
B.	Assess Containment Procedures implemented and Confirm what Calls have been made to external agencies.			
C.	Response Assessment - Classify Level of Emergency (Alert, Level 1, Level 2 or Level 3)			
D.	Start Incident Log			
Step 2.	Evaluate Response Team Requirements			
Step 3.	Assign On-Scene Commander and log location of On-Scene Command Centre (OSCP)			
Step 4.	Activate Corporate Emergency Operations Centre (CEOC)			
	ALERT	LEVEL 1	LEVEL 2	LEVEL 3
Step 5.	Review and Confirm Response Zone Actions			
Step 6.	Review Public Protection Measures and Confirm Expected Actions with On-Scene Commander			
Step 7.	Notify Lead Government Agency	Notify Lead Government Agency	Notify Lead Government Agency	Notify Lead Government Agency
Step 8.	Assess / Procure Support Services	Assess / Procure Support Services	Assess / Procure Support Services	Assess / Procure Support Services
Step 9.	Assess Mandatory Contact Notification	Assess Mandatory Contact Notification	Assess Mandatory Contact Notification	Assess Mandatory Contact Notification
Step 10.			Notify Corporate Management Team	Notify Corporate Management Team
		Media Notification • If Public Contacted	Media Notification	Media Notification
			Establish Update Schedule • Lead Government Agency • Local Authorities • Media	Establish Update Schedule • Lead Government Agency • Local Authorities • Media
			Evaluate Long-Term Response Team Requirements	Evaluate Long-Term Response Team Requirements

Note: This Action Summary is intended to function as a general response reference only. Implement specific actions as documented in the Site Specific ERP if applicable.



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**NOTIFICATION OF GOVERNMENT AGENCIES**

The Incident Commander is responsible for notification of Government Agencies. Notification of Local Authorities is assigned to the On-Scene Commander. The On-Scene Commander will notify the Incident Commander that the responsible authorities have been notified. Once the initial notification has been completed, responsibility for management of on-going communications with all regulatory agencies and government departments is fulfilled by the Incident Commander.

Initial notification of an incident varies between jurisdictions. Based on the level of the emergency, mandatory contacts must be made. In the following list, primary notification requirements are in bold type, secondary notifications are in regular type.

Mandatory Contacts Table:

Incident Type	Alberta	BC	Manitoba	Saskatchewan
<b>Sour Gas Release</b>	<b>Energy Resources &amp; Conservation Board (ERCB)</b> <b>Alberta Environment (AE)</b> Local Authorities Emergency Management RCMP Alberta Transportation	<b>BCOil &amp; Gas Commission (OGC)</b> <b>Provincial Emergency Program (PEP)</b> <b>Ministry of Water, Land and Air Protection (MWLAP)</b> RCMP Ministry of Transportation	<b>Manitoba Emergency Measures Organization (MEMO)</b> Manitoba Science, Technology Energy and Mines (MSTEM) Manitoba Conservation (MC) RCMP Infrastructure & Immigration (MLI)	<b>Saskatchewan Energy &amp; Resources (SER)</b> <b>Ministry of Environment</b> Saskatchewan Emergency Measures Organization (SaskEMO) RCMP
<b>Sweet Gas Release</b>	<b>ERCB</b> <b>AE</b> RCMP	<b>OGC</b> PEP RCMP	<b>MSTEM</b> MEMO RCMP	<b>SER</b> <b>Ministry of Environment</b> RCMP
<b>Spills (crude oil, LPGs, produced water, chemical)</b>	<b>ERCB</b> <b>AE</b> Environment Canada	<b>OGC</b> PEP Environment Canada	<b>MEMO</b> <b>Manitoba Conservation (MC)</b> Infrastructure & Immigration (MLI) Environment Canada	<b>SER</b> <b>Ministry of Environment</b> Environment Canada
<b>Loss of Well Control</b>	<b>ERCB</b> <b>AE</b> RCMP	<b>OGC</b> <b>PEP</b> RCMP	<b>MEMO</b> MSTEM Manitoba Conservation RCMP	<b>SER</b> <b>SaskEMO (911)</b> RCMP
<b>Medical Emergency/ Fatality</b>	<b>ERCB</b> <b>Workplace Health and Safety (WHS)</b> <b>RCMP</b> <b>Alberta Boilers (Related to Vessels)</b>	<b>OGC</b> <b>WorksafeBC (WCB)</b> <b>RCMP</b>	<b>MSTEM</b> <b>MLI</b> <b>RCMP</b> WCB	<b>SER</b> <b>Saskatchewan Labour Workers Compensation Board (WCB)</b> <b>RCMP</b>

Incident Type	Alberta	BC	Manitoba	Saskatchewan
<b>Fires/Explosions</b>	<b>ERCB</b> <b>Sustainable Resource Development</b> WHS ABSA	<b>OGC</b> <b>WLAP</b> <b>Ministry of Forests</b> WCB	<b>MEMO</b> MSTEM Manitoba Conservation (MC)	<b>SER</b> <b>Ministry of Environment</b> Sask. Labour WCB
<b>Security Breach</b>	<b>RCMP</b> <b>ERCB</b>	<b>RCMP</b> <b>OGC</b>	<b>RCMP</b> <b>MEMO</b> MSTEM	<b>RCMP</b> <b>SER</b>

**Public Notification:**

We will commence proactive communications with the public to ensure that information and instructions related to the situation are available when needed. Communication between with the On-Scene Commander and Incident Commander must occur to confirm that notification has been made using the following table:

Level	Contact
<b>Alert</b>	<b>Discretionary:</b> Residents within the EPZ requiring early notification. <b>If residents are contacted:</b> Regulating Agency (ERCB, BCOGC, SER, or MSTEM) Local Authorities and Regional Health Authority
<b>Level 1</b>	Regulating Agency (ERCB, BCOGC, SER, or MSTEM) Residents within the EPZ requiring early notification. Local Authority, local police, Emergency Measures or RCMP Regional Health Authority
<b>Level 2 And Level 3</b>	Regulating Agency (ERCB, BCOGC, SER, or MSTEM) Residents within the EPZ Local Authority, local police, Emergency Measures or RCMP Regional Health Authority

**DOWNGRADING**

**The Incident Commander is responsible to downgrade the emergency when control has been gained and public safety has been restored. Consultation with the Lead Government Agency, Provincial Disaster Management and Local Authorities is required prior to downgrade of the emergency.**

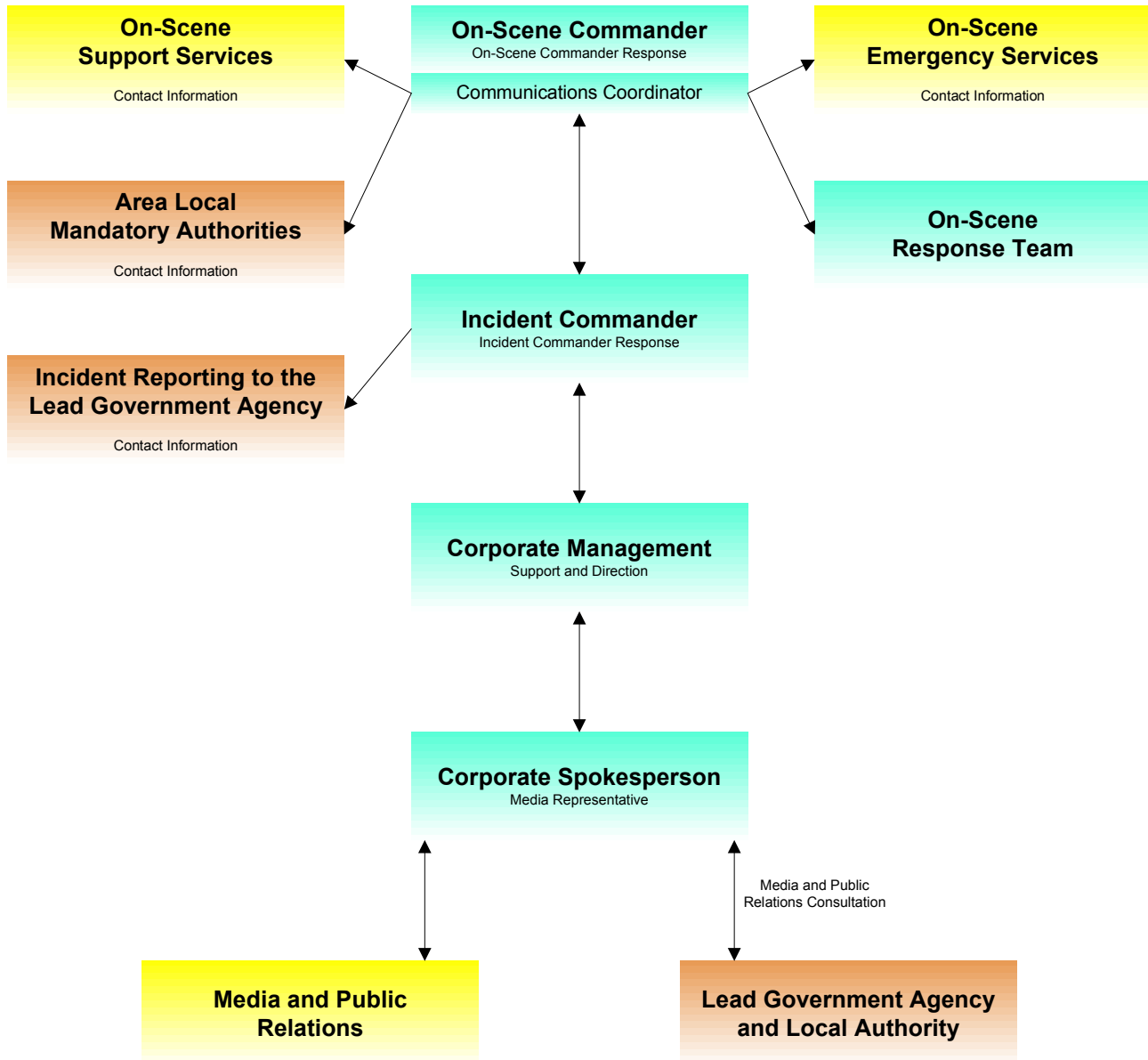
The company must provide coordination and assistance wherever necessary when the emergency is declared over. The type of activities could include:

- Assistance to evacuees returning to their residences
- Break down roadblocks and recall monitoring personnel
- Assess emergency equipment and determine servicing and replacement requirements
- Follow-up with all contacted parties to inform them of the “emergency over” status
- Gather all forms and documents prepared during or resulting from the emergency
- Company representative will provide a statement to the press

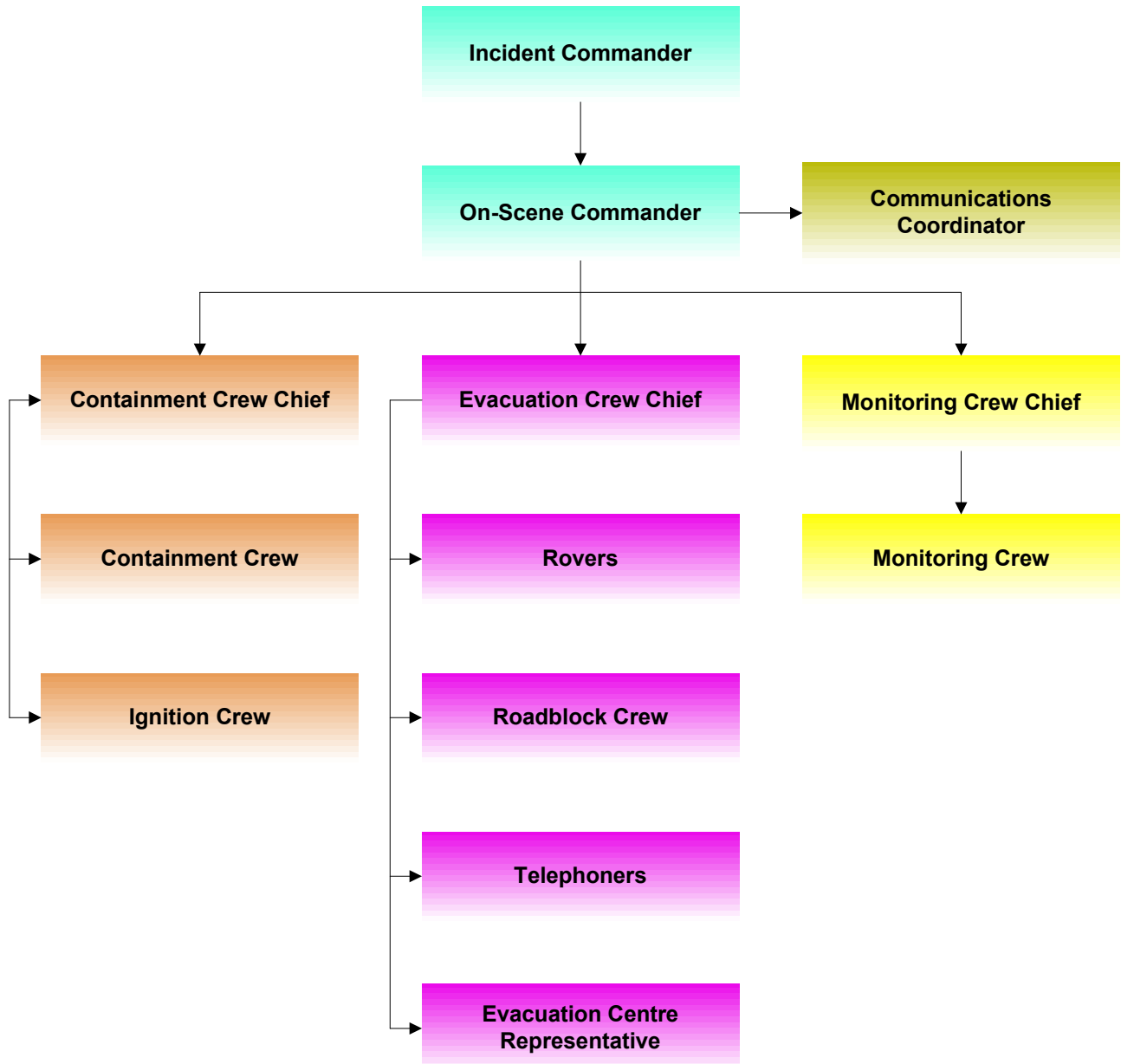
We will provide fair and timely compensation to persons that have been impacted or suffered damage as a result of the emergency

<b>Mandatory Actions by Incident</b>					
<b>Incident</b>	<b>Action</b>	<b>Alert</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>
<b>Sour Gas Release</b>	Air Monitoring (Production Facilities)		<ul style="list-style-type: none"> <li>Dispatch mobile air monitoring unit(s) to area of release and commence monitoring</li> </ul>	<ul style="list-style-type: none"> <li>continue mobile air quality monitoring</li> <li>request additional monitoring unit(s) if required</li> </ul>	<ul style="list-style-type: none"> <li>continue mobile air quality monitoring</li> <li>request additional monitoring unit(s) if required</li> </ul>
	Air Monitoring (Non-Critical Well)		<ul style="list-style-type: none"> <li>Dispatch to site IF estimated time of arrival is greater than the estimated time for gas to surface</li> <li>Note: An estimated time for gas to surface should be based on the time to circulate bottoms-up</li> <li>Place on dedicated standby IF estimated time of arrival is less than the estimated time for gas to surface. Dedicated standby refers to the equipment and personnel are assigned to the company and cannot be released to other tasks until notified by the company.</li> </ul>	<ul style="list-style-type: none"> <li>Deploy unit(s) from wellsite and commence mobile air quality monitoring</li> <li>If a mobile air quality monitoring unit has not arrived on site by the time gas has reached the surface, ignition criteria may have been met for a partially controlled or uncontrolled gas release</li> </ul>	<ul style="list-style-type: none"> <li>Continue mobile air quality monitoring</li> <li>Request additional air quality monitoring unit(s), if required.</li> </ul>
	Air Monitoring (Critical Well)		<ul style="list-style-type: none"> <li>Mobile air quality monitoring unit(s) must be dispatched to the well site at a Level 1 emergency.</li> <li>Request additional air quality monitoring unit(s) if required.</li> </ul>	<ul style="list-style-type: none"> <li>Deploy unit(s) to well site and commence mobile air quality monitoring.</li> <li>Request additional air quality monitoring unit(s), if required.</li> </ul>	<ul style="list-style-type: none"> <li>Continue mobile air quality monitoring.</li> <li>Request additional air quality monitoring unit(s), if required.</li> </ul>
	Public Protection Measures	Discretionary	Notify Residents Requiring Early Notification	Begin Public Protection Measures. Sheltering vs Evacuation.	Public Protection Measures must be fully implemented.
<b>Spills (crude oil, LPGs, produced water, chemical)</b>	Notify or Activate Spill Coop	<ul style="list-style-type: none"> <li>Based on Assessment and Need</li> </ul>			
<b>Medical Emergency/ Fatality</b>		<ul style="list-style-type: none"> <li>Secure and preserve the scene.</li> </ul>			
<b>Security Breach</b>		<ul style="list-style-type: none"> <li>Escalate internal notification to Incident Commander.</li> </ul>			

General Roles Flow Chart



Response Team Flowchart



Refer to the following pages for a detailed description of the roles and responsibilities of each position.

Crew Chief positions are optional; if the scope of the incident is small the On-Scene Commander may have all responders report directly. If the magnitude of the incident requires a large response team, the On-Scene Commander should appoint Crew Chief positions as required to delegate responsibilities.

## RESPONSE TEAM

### Emergency Response Plan

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#### RESPONSE TEAM EVALUATION

Make an evaluation of the number of responders required for the emergency based on:

- number of residences - (7/1 telephoners, 7/1 rovers and 1 rover for each residence with a sensitivity)
- number of roadblocks - (1/1)

#### RESPONSE TEAM ASSIGNMENTS

Role	Assignee
<b>Incident Commander</b>	<b>Primary Incident Commander Responder</b>
<b>Telephoner (Evacuation Notification)</b>	<b>Incident Commander Staff</b>
<b>Alternate</b>	<b>On-site personnel</b>
<b>On-Scene Commander</b>	<b>On-Site Senior Company Representative</b>
<b>Alternate</b>	<b>On-Site Personnel</b>
<b>Containment / Ignition Crew</b>	<b>On-Site Personnel, Contract Service Company</b>
<b>Evacuation (Roadblock)</b>	<b>On-Site Personnel, Contract Service Company</b>
<b>Evacuation (Rovers)</b>	<b>On-Site Personnel</b>
<b>Monitoring</b>	<b>Rovers, Roadblock Personnel, On-Site Personnel</b>
<b>Evacuation Centre Representative</b>	<b>On-Site Personnel</b>

Personnel designated as Response Team members are expected to record actions as required on prescribed **Forms** and will be required to submit all completed forms to the On-scene Commander or Communications Coordinator (*if delegated*) immediately once the emergency is declared over.



**INCIDENT COMMANDER**

Personnel: Incident Commander personnel

Location: Corporate Emergency Operations Centre (CEOC) or Off-Site Regional Emergency Operations Centre (REOC) if activated

Equipment: Telephone

Responsibilities:

- company implementation of the incident management system
- coordination and approval of emergency response activities
- coordination with the corporate management team

Actions:

- liaison with the Lead Government Agency
- assign and coordinate activities of On-Scene Commander
- ensure overall company response to an emergency is effective and functional

Communication:

- On-Scene Commander/Communications Coordinator, Corporate Management, Lead Government Agency (Event Reporting)

Objectives / Roles Summary:

- make key decisions
- provide technical information required for the emergency
- establish communications with the OSCP and other Response Centres
- procure and approve the use of resources required for safety and mitigation
- monitor the effectiveness of the response
- liaise with governmental bodies and other organizations
- establish long-term mitigation objectives and plans
- gather information and keep records related to the emergency
- coordinate the timely provision of information to the public and affected employees
- downgrade and incident when appropriate control is achieved and with stakeholder consultation



**CORPORATE MANAGEMENT TEAM**

Personnel: Corporate management, (e.g. EH&S, Legal, Accounting, HR)  
Location: Corporate Emergency Operations Centre (CEOC) or Off-Site Regional Emergency Operations Centre (REOC) if activated

Equipment: Telephone

Responsibilities:

- assist the Incident Commander as required
- advisory resources to the Incident Commander

Actions:

Finance:

- to ensure that processes are in place to manage and recover costs associated with emergency
- set up AFE for covering services and materials associated with emergency
- implement authority level changes if necessary for Incident Commander / Area Commander
- with Evacuation Coordinator, coordinate provision of funds for interim payments to area residents displaced by emergency
- coordinate initial reporting to corporate insurers

Legal:

- provide legal advice, guidance, and assistance to Corporate Emergency Executive Team
- provide advice on legal issues arising during response
- prepare legal response for any government orders issued during emergency
- identify steps to be taken to reduce exposure to legal risks
- assess contracted liabilities
- review and approve written communications with government departments, mass media, regulatory agencies, and mass media

EHS:

- provide advice on environmental protection strategies or occupational health and safety issues associated with specific emergencies
- review emergency response procedures followed and required environmental monitoring is in place
- identify potential human and animal health concerns associated with the emergency
- provide advice on response objectives and associated EH&S risks
- identify any significant divergence from agreed or written response plan or strategy, and probable response from lead agencies
- confirm that environmental or injury reporting complies with agency requirements

Engineering:

- retrieve technical information on the field operations, materials, equipment or other services for wells, pipelines and facilities
- provide technical support for Incident Commander

Logistics & Planning:

- manage the acquisition, and deployment of any equipment or materials, or services required by response personnel
- organize food, accommodation, working facilities, transportation, and sanitation for response personnel if the incident requires extended response
- identify potential strategic materials or services required in a potential emergency, identify potential sources and emergency contact numbers

Information Technologies:

- ensure ready access to computer equipment for the EOC and associated personnel
- provide technical support as required

## RESPONSE TEAM

### Emergency Response Plan

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#### Surface Land:

- provide advice on surface land issues associated with specific emergencies
- confirm ownership of lands affected by emergency
- identify past relationships with landowner
- make arrangements for access to land for responding to emergency

#### Document Recorder:

- collection and filing of Incident logs, reports and media releases made over the course of the emergency
- provide guideline and reminders for other participants of documentation needs and formats
- distribute both the hard copy and electronic formats for documentation forms where applicable
- initiate documentation process at Emergency Operations Centre
- regularly review content with Incident Commander to ensure accuracy and completeness of records
- collect compile and store incident logs, reports, and media releases every 12 hours over the duration of the emergency
- arrange for copies of all documentation originals to be made and filed for future reference, electronic copies are to be stored on a secure directory
- make arrangements for photographs and copies of physical inspections obtained during the response activities
- prompt Area Administrators to collect, collate and store required documentation

#### Communication:

- Incident Commander, Corporate Spokesperson

**CORPORATE SPOKESPERSON**

Personnel: Designated Corporate Spokesperson

Location: Corporate Emergency Operations Centre (CEOC) or Off-Site Regional Emergency Operations Centre (REOC) if activated

Equipment: Telephone

Responsibilities:

- establish and maintain open lines of communication with Lead Government Agency and other government departments and provide reports and updates
- proactive media management and communications with employees

Actions:

- in consultation with the Lead Government Agency, coordinate all company news releases
- appoint and coordinate personnel to be present at the REOC or COMOC as required

Communication:

- Corporate Management, Lead Government Agency and Local Authority, Media and Public Relations



**ON-SCENE COMMANDER**

Personnel: On-site personnel  
Location: On-Site Command Post  
Equipment: Telephone

Responsibilities:

- coordination and supervision of all on-site activities
- perform unassigned Crew Chief duties as required

Actions:

- activate Emergency Response Plan
- ensure safety of site personnel, notify Emergency Services as required
- assess the emergency, evaluate the potential risks to the public and environment
- assess potential containment or shutdown procedures required to eliminate the source of the emergency
- assess initial site response team requirements to isolate Response Zones
- establish On-scene Command Post (OSCP)
- implement Response Actions as determined by the Incident Commander
- ensure all on-site responders are aware of the Acton Plan and how it is to be implemented
- monitor the Response Zones, continual assessment of the area for potential changes
- adjust isolation points as required
- oversee any equipment staging required to manage emergency on-site
- liaise with local, municipal and government authorities

Communication:

- Incident Commander, On-Scene Support Services, On-Scene Emergency Services, On-Scene Government Agencies, Local Authorities, Police (RCMP), Provincial Health Services, Area Response Team, Containment and if activated the Ignition Crew Chief, Evacuation Crew Chief, Monitoring Chief
- communication may be channelled through a Communications Coordinator if the severity or complexity of the event warrants



**COMMUNICATION COORDINATOR**

Personnel: On-site personnel

Location: Corporate Emergency Operations Centre or Off-Site Regional Emergency Operations Centre if activated

Equipment: Telephone

Responsibilities:

- consistent and appropriate information provided to Incident Commander, government agencies, local authority, Corporate Spokesperson and emergency services

Actions:

- act on behalf of the On-Scene Commander to manage and coordinate communication activities as required. Provide information to the Corporate Spokesperson and ensure consistent reporting is provided to all appropriate parties.

Communication:

- Incident Commander, Corporate Spokesperson, On-Scene Commander, On-Scene Support Services, On-Scene Emergency Services, On-Scene Government Agencies, Local Authorities, Police (RCMP), Health Authorities, Area Response Team, Containment and if activated the Ignition Crew Chief, Evacuation Crew Chief, Monitoring Chief



**CONTAINMENT AND IGNITION CREW**

**Note: Personnel entering the area affected by the emergency must use personal protective equipment.**

**Containment Crew Chief**

Personnel: On-site personnel

Location: On-Site Command Post

Equipment: Telephone

Responsibilities: Organization and control of the Containment and Ignition Crew

Containment Actions:

- provide initial air monitoring
- based on the nature of the incident determine and execute actions to contain the hazard
- organize the Containment and assign specific tasks
- continue to liaise with other Crew Chiefs, On-Scene Commander and Incident Commander to understand the scope and requirements for containment resulting from the incident
- ensure activities and assignments of the Containment Team maintains appropriate response level to any changes related to the scope of the incident

Ignition Actions:

- assess risk of exposure or injury to the public or response workers
- assess proximity to residences, public facilities, towns, or urban centres
- assess status of evacuations
- assess fire hazard after ignition in relation to adjacent forested or cropland area
- assess safety of ignition team (hazard area identification, protective gear)

Ignition Criteria:

- although required, evacuation of the response zones has not occurred
- monitoring results indicate H<sub>2</sub>S concentrations in excess of 10 ppm (3 minute average) *If monitored levels are declining, then the situation needs to be continuously assessed for ignition*
- monitored H<sub>2</sub>S concentrations exceed 1 ppm in urban density developments
- monitoring is not taking place due to weather or other unforeseen circumstances
- the release cannot be brought under control in the short term; ignition decision will be made in consultation with the Lead Government Agency
- ignition of an HVP product release should occur only after the position of the plume has been established, after careful deliberation and when safe to do so

**NOTE: The Incident Commander is responsible for the decision to ignite.**

Communication:

- On-Scene Commander, Incident Commander, Communication Coordinator, Containment Crew, Ignition Crew



**Containment and Ignition Team Personnel**

Personnel:

- On-site personnel
- Minimum of two persons
- Two person backup team

Location: On-Site Command Post

Equipment:

- radio and/or telephone
- first aid kit
- SCBA and Respirator
- detection equipment
- PPE as required
- Ignition Equipment- Flare Gun

Responsibilities:

- perform operational containment actions
- ignition procedures as required

Actions:

- as directed by the Containment Crew Chief, ignite gas release
- go to **Ignition Criteria**

Communication:

- Containment Crew Chief



**EVACUATION CREW**

**Note: Personnel entering the area affected by the emergency must use personal protective equipment.**

**Evacuation Crew Chief**

Personnel: On-site personnel  
Location: On-Site Command Post  
Equipment: Telephone  
Responsibilities: Organization and control of Evacuation Crew

**Actions:**

- based on the location and nature of the incident; refer to the Area Map and determine the area and requirements for evacuation
- organize the Evacuation Team and assign specific tasks, ensure Telephoners have a clear understanding of which residents to call
- continue to liaise with other Crew Chiefs, On-Scene Commander and Incident Commander to understand the scope and requirements for evacuation resulting from the incident
- ensure activities and assignments of the Evacuation Team maintain appropriate response level to any changes related to the scope of the incident

**Communication:**

- On-Scene Commander, Incident Commander, Communication Coordinator, Road Block Crew, Evacuation Centre Representative, Telephoners, Rovers



**Evacuation Team Personnel**

**Road Block Crew**

Personnel: On-site personnel and contracted service companies  
Location: As assigned by Evacuation Crew Chief  
Equipment: Cellular Phone, Roadblock Kit and hand held air monitor  
Vehicle – will serve as primary barrier for roadblock.

Responsibilities:

- secure the IIZ and PAZ (Response Zones)
- access to is to be limited to Emergency Response Personnel only

Actions:

- block roads at edge of emergency hazard area
- secure evacuated area and record/document traffic entering/leaving the emergency planning zone
- have roadblock kits and communication equipment available
- setup individual roadblock locations as identified by the On-Scene Commander / Evacuation Crew Chief
- assemble required equipment and information: communications equipment (hand held two-way radios or cell phones), map, ERP Roadblock Personnel-checklist and safety equipment
- assemble maps of area surrounding potential emergency hazard area
- review potential roadblock locations and become familiar with routes, immediate area roads, and assignments (Map review)
- identify potential access / egress issues that may be encountered and determine appropriate response should roadblocks be required
- go to designated roadblock location and set up a roadblock, avoid setting it up on hills, blind curves, or other spots with limited visibility
- place vehicle at side of road with 4-way flashers “ON”, do not park near top of a hill or other location where visibility by motorists may be restricted
- set up barricades and warning signs so that they are clearly visible to approaching traffic, wear a high-visibility reflective vest if one is available
- stand well clear of your vehicle to provide an escape route and prevent being struck by vehicles
- use a flag or Stop Sign to stop traffic entering emergency hazard area, advise motorists of the problem and that further travel is not recommended
- keep a record of all vehicles entering and leaving hazard area, this will serve as a checkpoint for evacuees on their way out
- maintain communications with the OSCP, advise of unauthorized traffic or personnel in the isolated area to allow Area Commander to identify home security or personal safety issues
- let authorized traffic through and track whereabouts
- go to **Response Zones** for **Road Block Strategy**

Communication:

- Evacuation Crew Chief



**Evacuation Team Personnel**

**Evacuation Centre Representative**

Personnel: On-site personnel  
Location: Evacuation Centre  
Equipment: Telephone  
Responsibilities: Provide company support to evacuees

Actions:

- a company representative must be present at the Centre at all times
- check people into the centre - **Evacuation Centre Record - Forms** section
- organize food and/or shelter for the evacuees
  - provide an **Evacuee Expense Form - Forms** section
  - make arrangements to care for their livestock and pets
  - provide security for evacuated residences and businesses
- verify arrivals with the On-Site Command Post
- keep people well informed
- coordinate efforts to transfer children detained at school to reunite with family
- if people wish to leave and stay elsewhere:
  - record their destination and how the Company can contact them
  - distribute a phone number that people can contact the Company

Communication:

- Evacuation Crew Chief, Evacuated Residents



**Evacuation Team Personnel**

**Telephoners**

Personnel: Incident Commander Staff or on-site personnel

**Where impacts are limited, notification may be assigned to On-Site personnel. Coordination between the On-Scene and Incident Commanders is required to determine which resources should be assigned the telephoners role.**

Location: On-Site Command Post (OSCP) or Corporate Emergency Operations Centre (CEOC)

Equipment: Telephone

Responsibilities: Telephone notification to area residents to evacuate

Actions:

- at the direction of the On-Scene Commander / Evacuation Crew Chief, using the prepared evacuation message, contact assigned residents to evacuate
- prioritize contact list based response zones as follows:
  - IIZ
  - public in portion of PAZ that is within the EPZ
  - public within the EPZ who have requested early notification
  - remaining public within the EPZ
- limit required calls to approximately seven (7) per Telephoner
- log public contact successes
- notify On-Scene Commander / Evacuation Chief of all residents where contact was not achieved or where residents have requested assistance
- notify Evacuation Centre of expected arrivals

Communication:

- Evacuation Crew Chief, Residents



**Evacuation Team Personnel**

**Rovers**

Personnel: On-site personnel  
Location: As assigned by the Evacuation Chief  
Equipment:

- telephone
- hand held gas monitor
- personal/company identification
- personal protective equipment

Responsibilities:

- provide support and assistance
- verify isolation of the emergency planning zone

Actions:

- provide area security verification and resident evacuation support
- scout area and establish contact with residents inside emergency planning zone
- give residents advice on shelter or evacuation
- identify and obtain safety or communication equipment, and maps/other area listings that may be required
- identify all activities in area (public, business, transient), and determine potential assistance required
- begin monitoring with handheld equipment, downwind of release at nearest residency, from this location, continue to any additional downwind residences until outer boundary of Hazard area is determined, advise On-Scene commander of any readings as they are measured
- go to houses identified and personally visit each resident location within the area to notify residents to evacuate or shelter-in-place, leave a notice indicating household has been evacuated
- inform the Evacuation Crew Chief of evacuations
- use notification messages as a guide in talking with area residents
- visit houses/buildings periodically during emergency to confirm evacuated houses remain unoccupied and to deter theft and vandalism
- assist evacuees in evacuations, as necessary
- go to **Public Protection Measures** for Evacuation information

Communication:

- Evacuation Crew Chief



**MONITORING CREW**

**Note: Personnel entering the area affected by the emergency must use personal protective equipment.**

**Monitoring Chief**

Personnel: On-site personnel

Location: On-Site Command Post

Equipment: Telephone

Responsibilities:

- the organization and control of Monitoring Crew

Actions:

- liaison with external Monitoring Service and provincial environment
- contact contract air monitoring service
- determine location and assignments of Monitoring Crew and Mobile Air Monitoring units

Communication:

- On-Scene Commander, Communication Coordinator, Monitoring Crew

**Air Monitoring is required:**

- in any area where an H<sub>2</sub>S odour complaint has been received
- at the nearest downwind, non-evacuated residence from the incident site
- in any area where H<sub>2</sub>S is suspected



**Monitoring Crew**

Personnel: On-site personnel, contract air monitoring service

Location: As assigned by Monitoring Crew Chief

Equipment:

- telephone
- hand held gas monitor
- personal/company identification
- personal protective equipment
- Mobile Air Monitoring Units (When on Site)

Responsibilities:

Perform air monitoring to ascertain H<sub>2</sub>S or SO<sub>2</sub> concentrations which will assist in determining:

- plume direction and formation
- if ignition criteria are met
- whether evacuation and/or sheltering criteria have been met, particularly beyond the EPZ
- roadblock locations
- concentrations in areas being evacuated to ensure that evacuation is safe
- when the emergency can be downgraded

Actions:

- roadblock personnel, rovers and containment personnel will provide initial readings from hand held detectors to the acting On-Scene Commander or assigned Monitoring Crew Chief
- based on wind direction establish leading edge of plume
- move at right angles to the release to determine width of the plume
- log and report concentrations
- notify On-Scene Commander/Monitoring Crew Chief if concentrations extend beyond the lease
- determine the perimeter of the Protective Action Zone (PAZ) based on H<sub>2</sub>S readings of 10ppm
- report readings and assessments to the On-Scene Commander/ Monitoring Chief
- go to **Response Zones** for information on Monitoring

Communication:

- Monitoring Chief





## Site Contact Summary

### Alta/Sask Other

#### SITE OFFICE

	<u>Phone #</u>	<u>Fax #</u>	<u>24 Hour #</u>
Head Office	(403) 218-2063	(403) 218-2064	(403) 218-2063

#### SITE RESPONDERS

<u>Incident Commander</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

<u>Operates Wells in 014-19W4 &amp; 014-20W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Brent Gedney	(403) 739-3969	(403) 233-1978	(403) 635-1978		
Gary Sprinkle	(403) 739-3969		(403) 654-0341		

<u>Operates Wells in 030-10W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Casey James	(403) 748-2724		(403) 854-1854		
Will Blagen	(403) 748-2724		(403) 854-0001		
Terry Shaw	(403) 748-2724		(403) 350-4590		
Plant Phone	(403) 748-2724			(403) 854-1373	Plant Phone

<u>Operates 05-24-035-10W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Dave Glasier			(403) 575-0031		
Jeff Dick			(403) 854-6405		

<u>Operates Wells in 046-11W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Hank Kunst	(780) 980-7321		(780) 385-0768		

<u>Operates 08-36-051-08W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Doug McCoy	(403) 718-8000		(780) 853-1077		

<u>Operates Wells in 051-09W4 &amp; 051-10W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Chance Hinton			(780) 787-0547		

<u>Operates Wells in 054-08W4 &amp; 055-08W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Jim Nahirnak			(780) 210-0742		
Garret Mazurek			(780) 210-0742		

<u>Operates Wells in 055-09W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Wayne Timchuck	(403) 517-6700		(780) 645-0621	(780) 645-2636	Direct

<u>Operates Wells in 056-10W4; 056-11W4 &amp; 057-11W4</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Wayne Draper	(403) 517-6700		(780) 210-0864		

<u>Operates Wells in 035-03W5</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Danny Clay	(403) 391-1136	(403) 746-2242	(403) 391-1136		
Devon Pengally	(403) 391-1136		(403) 588-0211		

<u>Operates 16-26-035-03W5</u>	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
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## Site Contact Summary

Sheldon Martinson			(403) 877-8779		
Mike Mathers	(403) 265-1178		(403) 304-6890	(403) 728-2381	Office Phone
<b>Operates Wells in 039-06W5 &amp; 039-07W5</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Ian Oja	(403) 391-1136	(403) 729-3961	(403) 588-5476		
Danny Clay	(403) 391-1136	(403) 746-2242	(403) 391-1136		
<b>Operates 06-13-042-10W5</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
John Hilderbrand			(403) 845-9265		
Kam MacGregor			(780) 202-0297		
<b>Drilling &amp; Completions</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		
<b>Media Representative</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct
<b>Stakeholder</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	
Bruce Riep	(403) 218-2063		(403) 651-7468		

### **REGIONAL GOVERNMENT REPORTING**

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Central Reporting	Central Zone	(866) 654-7890	(403) 356-6433
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Red Deer	(403) 340-5454	(403) 340-5136

## Site Contact Summary

### Alta/Sask Other Sour

#### SITE OFFICE

	<b>Phone #</b>	<b>Fax #</b>	<b>24 Hour #</b>
Travers Gas Plant	(403) 739-3969		

#### SITE RESPONDERS

<b>Incident Commander</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

#### **Operates Wells in 014-19W4 & 014-20W4**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Brent Gedney	(403) 739-3969	(403) 233-1978	(403) 635-1978		
Gary Sprinkle	(403) 739-3969		(403) 654-0341		

#### **Drilling & Completions**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

#### **Media Representative**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct

#### **Stakeholder**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	
Bruce Riep	(403) 218-2063		(403) 651-7468		

#### REGIONAL GOVERNMENT REPORTING

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Calgary 24 Hr. Reporting	Calgary Zone	(403) 264-5615	(403) 943-8056
Alberta Health Services	South 24 Hr. Reporting	South Zone	(403) 388-6111	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Midnapore Field Centre	(403) 297-8303	(403) 297-5283

## Site Contact Summary

### Corbett

#### SITE OFFICE

	Phone #	Fax #	24 Hour #
Head Office	(780) 674-1171		

#### SITE RESPONDERS

Incident Commander	Office #	Home #	Cell #	Other Phone	Other Ph Type
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

Operates Wells in 061-07W5	Office #	Home #	Cell #	Other Phone	Other Ph Type
Bruce Cross	(780) 674-1171		(780) 674-1171	(780) 584-3815	10-03 Plant
Benny Whitten	(780) 674-1171		(780) 305-4655		

Operates 01-03-061-26W4	Office #	Home #	Cell #	Other Phone	Other Ph Type
Brent Harbin	(780) 349-3701		(780) 349-9776		

Operates 06-30-062-03W5	Office #	Home #	Cell #	Other Phone	Other Ph Type
Luc Sabourin	(780) 349-6942	(780) 349-6942	(780) 349-0569	(780) 307-1334	Pager

Drilling & Completions	Office #	Home #	Cell #	Other Phone	Other Ph Type
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

Media Representative	Office #	Home #	Cell #	Other Phone	Other Ph Type
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct

Stakeholder	Office #	Home #	Cell #	Other Phone	Other Ph Type
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Bruce Riep	(403) 218-2063		(403) 651-7468		
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	

#### REGIONAL GOVERNMENT REPORTING

Department	Function	Office	Phone #	Fax #
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Bonnyville	(780) 826-5352	(780) 826-2366
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	St. Albert	(780) 460-3800	(780) 460-3802

## Site Contact Summary

### Edson - 3rd Party North

#### SITE OFFICE

	<b>Phone #</b>	<b>Fax #</b>	<b>24 Hour #</b>
<b>Head Office</b>	(403) 218-2063	(403) 218-2064	(403) 218-2063

#### SITE RESPONDERS

<b>Incident Commander</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

<b>On-Site Personnel</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Kelly Jahner			(780) 712-9725		
Brad Paschak			(780) 712-0750		
Jerry Haddock			(780) 723-1011		

<b>Drilling &amp; Completions</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

<b>Media Representative</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct

<b>Stakeholder</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	
Bruce Riep	(403) 218-2063		(403) 651-7468		

#### REGIONAL GOVERNMENT REPORTING

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Drayton Valley	(780) 542-5182	(780) 542-2540

## Site Contact Summary

### Edson - 3rd Party South

#### SITE OFFICE

	<b>Phone #</b>	<b>Fax #</b>	<b>24 Hour #</b>
<b>Head Office</b>	(403) 218-2063	(403) 218-2064	(403) 218-2063

#### SITE RESPONDERS

##### **Incident Commander**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

##### **On-Site Personnel**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Kelly Jahner			(780) 712-9725		

##### **Operates Wells in TWP 47 to 51 and RGE 12W5**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Pye			(780) 542-1039		
Gene Hausauer			(780) 706-0851		
Devin Ponipal			(780) 778-0736		

##### **Operates Wells in 51-13W5 and 52-13W5**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Jason Gole	(780) 723-1881	(780) 712-4635	(780) 712-1702	(780) 712-4635	Secondary
Dave Kerchewski		(780) 712-7476	(780) 712-9465	(780) 712-1698	Secondary
Dustin Gaber			(780) 712-3890		

##### **Operates 10-19 and 11-17-51-16W5 and 9-30-52-18W5**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Brad Paschak			(780) 712-0750		
Jerry Haddock			(780) 723-1011		
Chris Harvey			(780) 728-3371		
Steven Sikora		(780) 693-3971	(780) 728-6987		
Terry Rechner		(780) 712-4773	(780) 712-3323		

##### **Conoco Philips - 5-33-047-12W5 and 10-33-047-12W5**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Brendon Emmett			(780) 898-7136		

##### **Perpetual Energy - 15-08-052-15W5**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Scott Nazaruk			(780) 898-1802		

##### **Drilling & Completions**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

##### **Stakeholder**

	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				

## Site Contact Summary

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Bruce Riep	(403) 218-2063	(403) 651-7468	
Doug Webb	(403) 221-8077	(403) 589-9001	(403) 221-8072

### **REGIONAL GOVERNMENT REPORTING**

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Drayton Valley	(780) 542-5182	(780) 542-2540

## Site Contact Summary

### Edson - Edson Plant Group

#### SITE OFFICE

	<b>Phone #</b>	<b>Fax #</b>	<b>24 Hour #</b>
<b>Head Office</b>	(403) 218-2063	(403) 218-2064	(403) 218-2063

#### SITE RESPONDERS

<b>Incident Commander</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

<b>On-Site Personnel</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Jason Gole	(780) 723-1881	(780) 712-4635	(780) 712-1702	(780) 712-4635	Secondary
Dustin Graber	(780) 723-1881		(780) 712-3890		
Dave Kerchewski		(780) 712-7476	(780) 712-9465	(780) 712-1698	Secondary

<b>Drilling &amp; Completions</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

<b>Media Representative</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct

<b>Stakeholder</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Bruce Riep	(403) 218-2063		(403) 651-7468		
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	

#### REGIONAL GOVERNMENT REPORTING

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Drayton Valley	(780) 542-5182	(780) 542-2540

## Site Contact Summary

### Edson - Pine Creek

#### SITE OFFICE

	<b>Phone #</b>	<b>Fax #</b>	<b>24 Hour #</b>
<b>Head Office</b>	(403) 218-2063	(403) 218-2064	(403) 218-2063

#### SITE RESPONDERS

<b>Incident Commander</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

<b>On-Site Personnel</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Kelly Jahner			(780) 712-9725		

<b>Operates Wells in 54-17W5</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Neil Stang			(780) 723-0311		
John Corowther			(780) 723-0722		
Burke Shelton			(780) 712-9119		

<b>Operates Wells from 55-18W5 to 56-19W5</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Brad Paschak			(780) 712-0750		
Jerry Haddock			(780) 723-1011		
Chris Harvey			(780) 728-3371		
Steven Sikora		(780) 693-3971	(780) 728-6987		
Terry Rechner		(780) 712-4773	(780) 712-3323		

<b>Drilling &amp; Completions</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

<b>Stakeholder</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Bruce Riep	(403) 218-2063		(403) 651-7468		
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	

#### REGIONAL GOVERNMENT REPORTING

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Drayton Valley	(780) 542-5182	(780) 542-2540

## Site Contact Summary

### Edson Sour

#### SITE OFFICE

	Phone #	Fax #	24 Hour #
Field Office (Edson)			

#### SITE RESPONDERS

<b>Incident Commander</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office
<b>On-Site Personnel</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Kelly Jahner			(780) 712-9725		
Brad Paschak			(780) 712-0750		
<b>Drilling &amp; Completions</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		
<b>Media Representative</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct
<b>Stakeholder</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Bruce Riep	(403) 218-2063		(403) 651-7468		
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	

#### REGIONAL GOVERNMENT REPORTING

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Central Reporting	Central Zone	(866) 654-7890	(403) 356-6433
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	Drayton Valley	(780) 542-5182	(780) 542-2540

## Site Contact Summary

### Whitecourt

#### SITE OFFICE

	<u>Phone #</u>	<u>Fax #</u>	<u>24 Hour #</u>
Field Office	(780) 778-1295		(780) 778-1295

#### SITE RESPONDERS

##### **Incident Commander**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

##### **58-13&14; 59-12; 60-12; 61-10; 62-13; 63-13;63-15**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Randy Gerber	(780) 778-1295	(780) 778-2116	(780) 778-1295		
Stuart Lakeman			(780) 706-4507		
Paul Ryhanen			(780) 706-9958		
Devin Ponipal			(780) 778-0736		
Chris Payne			(780) 779-3340		

##### **Operates 16-34-058-16W5**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Neil Stang			(780) 723-0311		
John Corowther			(780) 723-0722		
Burke Shelton			(780) 712-9119		

##### **Daylight - Wells in 60-14W5 and 61-14W5**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Mike Lauinger	(780) 778-5052		(780) 778-0754		
Daylight On-Call Phone			(780) 706-0767		
Clayton Brandvold			(780) 778-1692		
Ben Pike			(780) 779-3265		
Todd Stanly			(780) 706-0075		

##### **Bonavista - Wells in 61-15W5**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Tony Monteith			(780) 204-0156		
Frankie Smith			(780) 262-0770		
Ed Klingbell			(780) 446-3900		
Leroy Smith			(780) 706-2585		

##### **Operates Wells in 61-14W5; 62-14W5 and 62-15W5**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Doug Friend			(780) 778-0051		
Mike Friend			(780) 779-3804		

##### **Trilogy - 10-34-063-17W5**

	<u>Office #</u>	<u>Home #</u>	<u>Cell #</u>	<u>Other Phone</u>	<u>Other Ph Type</u>
Trilogy Camp Phone			(780) 622-7656		
Mitch Evans			(780) 622-7403		
Dave Fell			(780) 622-7403		
Wayne Ralston			(780) 778-0813		

## Site Contact Summary

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Dustin Dueck (780) 778-0813

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### Drilling & Completions

Office #	Home #	Cell #	Other Phone	Other Ph Type
(403) 218-2063		(403) 850-7672		

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### Media Representative

Office #	Home #	Cell #	Other Phone	Other Ph Type
(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct

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### Stakeholder

Office #	Home #	Cell #	Other Phone	Other Ph Type
(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
(403) 218-2063				
(403) 218-2063		(403) 651-7468		
(403) 221-8077		(403) 589-9001	(403) 221-8072	

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## **REGIONAL GOVERNMENT REPORTING**

Department	Function	Office	Phone #	Fax #
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	St. Albert	(780) 460-3800	(780) 460-3802

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## Site Contact Summary

### Whitecourt Sour

#### SITE OFFICE

	<b>Phone #</b>	<b>Fax #</b>	<b>24 Hour #</b>
<b>Field Office</b>	(780) 778-1295		(780) 778-1295

#### SITE RESPONDERS

<b>Incident Commander</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Shane Manchester	(403) 218-2063	(403) 202-2688	(403) 669-8289	(403) 693-3163	Direct
Reece Shular	(403) 218-2063	(403) 457-6176	(403) 815-5749	(403) 693-3060	Direct Office
Greg Balderston	(403) 218-2063		(403) 993-8550	(403) 693-3174	Direct Office
Logan Haddad	(403) 218-2063		(403) 479-7467	(403) 693-3180	Direct Office Phone
Matt Acheson	(403) 218-2063		(403) 650-7364	(403) 693-3064	Direct Office
Dave Prost	(403) 218-2063	(403) 474-3038	(403) 988-9008	(403) 693-3077	Direct Office

<b>On-Site Personnel</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Randy Gerber	(780) 778-1295	(780) 778-2116	(780) 778-1295		
Stuart Lakeman			(780) 706-4507		
Paul Ryhanen			(780) 706-9958		

<b>Drilling &amp; Completions</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Greg Ruzicki	(403) 218-2063		(403) 850-7672		

<b>Media Representative</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Doug Bartole	(403) 218-2063	(403) 270-0726	(403) 803-3083	(403) 693-3161	Direct

<b>Stakeholder</b>	<b>Office #</b>	<b>Home #</b>	<b>Cell #</b>	<b>Other Phone</b>	<b>Other Ph Type</b>
Bob Bachynski	(403) 218-2063	(403) 288-9020	(403) 701-2063	(403) 693-3169	Direct
Kevin Yakiwchuk	(403) 218-2063	(403) 547-4706	(403) 852-7599	(403) 693-3162	Direct
Gerry Gilewicz	(403) 218-2063	(403) 217-1649	(403) 828-5030	(403) 693-3170	Direct
Elsa Bocale-Hobbs	(403) 218-2063				
Bruce Riep	(403) 218-2063		(403) 651-7468		
Doug Webb	(403) 221-8077		(403) 589-9001	(403) 221-8072	

#### REGIONAL GOVERNMENT REPORTING

<b>Department</b>	<b>Function</b>	<b>Office</b>	<b>Phone #</b>	<b>Fax #</b>
Alberta Health Services	Northern 24 Hr. Reporting & Inquiries	Northern Zone	(780) 228-0727	(780) 532-1550
Alberta Health Services	Northern After Hours	Northern Zone	(780) 538-7100	
Energy Resources Conservation Board (ERCB)	Reporting (24Hr) & General Information	St. Albert	(780) 460-3800	(780) 460-3802





## Government Contacts

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### Alberta

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Alberta Boilers Safety Association	General	Edmonton	(780) 437-9100	(780) 437-7787
Alberta Community Development Parks and Protected Areas Division	Cooking Lake / Blackfoot Provincial Recreation Area	Alberta	(780) 922-3293	
	West Central Area	Alberta	(780) 960-8170	
Alberta Emergency Management Agency	24 Hour reporting	Alberta	(866) 618-2362	(780) 644-7962
	First Nations Emergency Management	Alberta - 24 Hr Reporting	(866) 618-2362	
	First Nations Emergency Management Officers	Alberta - North	(780) 645-6213	(780) 645-6352
	First Nations Emergency Management Officers	Alberta - South	(780) 984-5241	(780) 422-1549
Alberta Employment and Immigration	WH&S Emergency Reporting	Alberta	(866) 415-8690	(780) 422-3730
	WH&S Northern Regional Office	Provincial	(866) 415-8690	(780) 427-5698
	WH&S Southern Regional Office	Alberta	(866) 415-8690	
Alberta Environment	Emergency Reporting & Complaints	Alberta	(800) 222-6514	(780) 427-3178
	General Inquiries	Alberta	(780) 427-2700	(780) 422-4086
Alberta Health Services	Calgary Inquiries	Alberta	(866) 408-5465	(403) 943-8056
	Central Reporting	Alberta	(866) 654-7890	(403) 356-6433
	Edmonton First Call	Alberta	(780) 493-1963	(780) 735-1802
	Northern 24 Hr. Reporting & Inquiries	Alberta	(780) 228-0727	(780) 532-1550
	South 24 Hr. Reporting	Alberta	(403) 388-6111	
Alberta Labour Relations Board	Industrial Accidents (24 Hour)	Alberta	(866) 415-8690	
Alberta Sustainable Resource Development	Forest Fire Reporting - (24 Hour)	Alberta	(310) 347-3473	
	Lands Division	Alberta	(780) 427-4766	
	Provincial Forest Fire Centre	Alberta	(780) 427-6807	(780) 427-0292
Alberta Transportation	Alberta Transportation & Dangerous Goods	Alberta	(800) 272-9600	(780) 427-1044

## Government Contacts

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### Alberta

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Electrical Utilities				
	ATCO Electric	Alberta	(800) 668-5506	
	Fortis Alberta	Alberta	( ) 310-9473	
Emergency Services				
	Poison Control Centre	Alberta	(800) 332-1414	(403) 944-1472
	Provincial Flight Coordination Center (PFCC)	Alberta	(800) 661-3822	(866) 446-7607
	STARS Air Ambulance	Alberta	(888) 888-4567	(403) 274-3323
Energy Resources Conservation Board (ERCB)				
	ERCB Main Switchboard	Alberta	(403) 297-8311	(403) 297-5283
	Reporting (24Hr) & General Information	Bonnyville	(780) 826-5352	(780) 826-2366
	Reporting (24Hr) & General Information	Drayton Valley	(780) 542-5182	(780) 542-2540
	Reporting (24Hr) & General Information	Bonnyville	(780) 743-7214	(780) 743-7141
	Reporting (24Hr) & General Information	Grande Prairie	(780) 538-5138	(780) 538-5582
	Reporting (24Hr) & General Information	High Level	(780) 926-5399	(780) 926-4721
	Reporting (24Hr) & General Information	Medicine Hat	(403) 527-3385	(403) 529-3103
	Reporting (24Hr) & General Information	Calgary	(403) 297-8303	(403) 297-5283
	Reporting (24Hr) & General Information	Red Deer	(403) 340-5454	(403) 340-5136
	Reporting (24Hr) & General Information	St. Albert	(780) 460-3800	(780) 460-3802
	Reporting (24Hr) & General Information	Wainwright	(780) 842-7570	(780) 842-7536
Telephone Service				
	Bell Mobility	Alberta	(800) 667-0123	
	Rogers Home	Alberta	(888) 764-3771	
	Rogers Wireless	Alberta	(888) 764-3771	
	Telus	Alberta	(800) 661-3162	
Utility Services				
	Alberta One-Call (Buried Utility Locations)	Alberta	(800) 242-3447	(403) 531-3703

## Government Contacts

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### British Columbia

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
B.C. Oil & Gas Commission				
	24 Hour Office	BC	(250) 794-5200	(250) 794-5385
	BCOGC Pipeline Integrity Management Program	BC	(250) 356-2903	(250) 356-2962
	Oil & Gas Incident Reporting (PEP)	BC	(800) 663-3456	
BC Ministry of Environment				
	Environmental Emergencies (PEP)	BC	(800) 663-3456	(250) 787-3490
BC Ministry of Forests, Forest Services				
	Forest Fire Reporting	BC	(800) 663-5555	
	Forest Service Fire Information Line	BC	(888) 336-7378	
BC Ministry of Transportation and Infrastructure				
	Transportation	BC - Northern	(800) 461-9911	(250) 374-5937
Communications Services & Equipment				
	Petron Communications Limited	BC- Fort St. John	(250) 785-3333	
	Quasar Communications Ltd.	BC- Fort St. John	(250) 785-6685	
Emergency Services				
	Hazardous Waste Spill (24hr)	Provincial	(800) 663-3456	
	Poison Control	BC/Yukon	(800) 567-8911	
	Waste Management	BC	(800) 663-3456	
Health Unit				
	Dawson Creek Health Unit	BC	(250) 719-6500	(250) 719-6513
	Fort St. John Health Unit	BC	(250) 263-6000	(250) 263-6086
	Peace River Health Unit	BC	(250) 774-7092	(250) 774-7096
Heavy Equipment				
	Blatz's Excavating	BC	(250) 787-7400	
	Digger Dave's Backhoe Service	BC	(250) 785-8007	
	Ed's Backhoe Service	BC	(250) 785-2883	
	Fusion Oilfield Services	BC	(250) 774-2812	
	Pearson Excavating	BC	(250) 785-2376	

## Government Contacts

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### British Columbia

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Helicopters				
	Bailey Helicopters	BC	(250) 785-2518	
	Canadian Helicopters	BC	(250) 787-0431	
	Guardian	BC	(250) 787-1224	
	Highland Helicopters	BC	(250) 787-7912	
	Qwest Helicopters	BC	(250) 787-5157	
Miscellaneous				
	BC Safety Authority	BC	(800) 566-7233	(778) 396-2064
	Call Before You Dig	BC	(800) 474-6886	
	Electrical Safety Inspection	BC	(604) 660-6262	(604) 660-6661
Mobile Air Monitoring Units				
	Pride H2S Safety and Medical	BC	(250) 785-6249	
Provincial Emergency Program (PEP)				
	(PEP) General Information	Provincial	(250) 612-4172	(250) 612-4171
	(PEP) Oil & Gas Event Reporting (24 hr.)	BC	(800) 663-3456	
Railways - National				
	BC Rail Emergency Reporting	BC	(800) 449-8547	
RCMP, Northern B.C. District				
	Oil & Gas General Information	Northern BC	(250) 561-3100	
Safety Consulting Services				
	Pride H2S Safety and Medical	BC	(250) 785-6249	
	Trojan Safety Services Ltd.	BC	(250) 785-9557	
Telephone Service				
	Telus	BC	(800) 661-3162	
WCB (Worksafe BC)				
	Emergency Accident Reporting (After Hours)	BC	(866) 922-4357	(604) 276-3247
	Emergency Accident Reporting (Day)	BC	(888) 621-7233	(604) 276-3247

## Government Contacts

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### Federal

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Blowout/Fire Service				
	Fire Power	National	(800) 463-3187	
	Firemaster	National	(877) 299-7233	
	HSE Integrated	National	(866) 347-3911	
	SafetyBOSS	National	(800) 882-4967	
DataSafe Recovery Services Ltd.				
	DataSafe	Alberta	(403) 269-9128	
Decontamination Units				
	Firemaster	National	(877) 299-7233	
	HSE Integrated Ltd.	National	(866) 347-3911	
	SafetyBOSS	National	(800) 882-4967	
	Trojan Safety Services	National	(250) 785-9557	
Environment Canada				
	Emergency Reporting & Information	BC	(800) 663-3456	
	Emergency Reporting & Information	Alberta	(780) 422-4505	
	Emergency Reporting & Information	Sask.	(800) 667-7525	
	Emergency Reporting & Information	Manitoba	(204) 944-4888	
	National Environmental Emergencies (24 hr.)	National	(819) 997-3742	
Mobile Air Monitoring Units				
	Trojan Safety Services	BC	(250) 785-9557	
	HSE Integrated Ltd.	National	(866) 347-3911	
	Inferno Safety Specialists	National	(877) 357-3130	
	SafetyBOSS	National	(800) 882-4967	
	United Safety	National	(800) 432-1809	
National Energy Board				
	Emergency Reporting (Transportation Safety Board - Occurrence Hot Line)	National	(819) 997-7887	(819) 953-7876
	General Information	Regional	(403) 292-4800	(403) 292-5876
Nav Can				
	Air Traffic Control	National	(800) 876-4693	
Public Safety Canada				
	Emergency Number	National	(613) 991-7000	

## Government Contacts

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### Federal

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Radio Active / Dangerous Good Spills	General Information	National	(613) 995-5894	
	Reporting	National	(613) 995-0479	
Railways - National	CN Rail - Emergency Reporting	National	(800) 465-9239	
	CP Rail - Emergency Reporting	National	(800) 716-9132	
Safety Consulting Services	HSE Integrated Ltd.	National	(866) 347-3911	
Transport Canada	Dangerous Goods Emergency Reporting	National	(613) 996-6666	

## Government Contacts

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### Manitoba

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Emergency Health Services	Reporting (24 Hour)	Manitoba	(204) 786-7289	
Emergency Services	Air Ambulance	Manitoba	(800) 689-6559	(204) 945-5148
	Crime Stoppers	Manitoba	(800) 222-8477	
	Marine & Air Search and Rescue	National	(800) 267-7270	
	MB Oil Spill Coop	Virden	(204) 748-3095	(204) 748-1007
Fire Emergency Numbers	Forest Fire Reporting	Manitoba	(800) 782-0076	
Manitoba Conservation, Environmental	Emergency Reporting (24 Hour)	Manitoba	(204) 945-4888	(204) 948-2420
Manitoba Emergency Measures Organization (MEMO)	Emergency Reporting (24 Hour)	Manitoba	(204) 945-5555	
	General Inquiries	Manitoba	(204) 945-4772	(204) 945-4929
Manitoba Industry, Economic Development and Mines & Mineral Resources Division - Petroleum Branch	Petroleum Branch Reporting & General Information	Manitoba	(800) 223-5215	(204) 945-0586
Utility Services	Call Before You Dig	Manitoba	(204) 941-7267	(204) 956-1217
Workers Compensation Board	Reporting	Manitoba	(204) 954-4100	(204) 954-4999
Workplace Safety & Health	Reporting (24 Hour)	Manitoba	(204) 945-0581	



## Government Contacts

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### Saskatchewan

<u>Agency</u>	<u>Function</u>	<u>Area</u>	<u>Phone</u>	<u>Fax</u>
Emergency Measures Organization	SaskEMO	Sask.	(306) 787-9563	(306) 787-1694
Emergency Services	Air Medical Coordinator (24 hr.)	Sask.	(888) 782-8247	
	Crime Stoppers	Sask.	(800) 222-8477	
	Marine & Air Search Rescue	Sask.	(800) 267-7270	
Forestry	(24 Hour) Fire Reporting Line	Sask.	(800) 667-9660	
Labour Board & Workplace Health & Safety	OH & S 24(Hour) Reporting	Sask.	(800) 567-7233	(306) 787-2208
Ministry of Energy and Resources	General Inquiries - Mining	Sask.	(306) 787-7631	(306) 787-1284
	General Inquiries - Petroleum & Natural Gas	Sask.	(306) 787-2592	(306) 787-2478
	Petroleum & Natural Gas Field Office (24 hr.)	Sask. Area IV	(306) 637-4541	(306) 637-4547
	Petroleum & Natural Gas Field Office (24 hr.)	Sask. Area II	(306) 463-5400	(306) 463-5405
	Petroleum & Natural Gas Field Office (24 hr.)	Sask. Area I	(306) 825-6434	(306) 825-6433
	Petroleum & Natural Gas Field Office (24 hr.)	Sask. Area III	(306) 778-8252	(306) 778-8256
	Resource Development	Sask.	(306) 787-2528	(306) 787-1284
	Swift Current 24Hr Reporting	Sask. Area III	(306) 778-8252	
Ministry of Environment	Boiler & Pressure Vessel Safety	Sask.	(866) 530-8599	
	Hazardous Substances General Inquiries	Sask.	(306) 933-7940	
Saskatchewan Environment (SERM)	Spill Report Centre (24 Hour Out of Province)	Sask.	(306) 953-2980	
	Spill Report Centre (24 Hour) Reporting	Sask.	(800) 667-7525	
Workers Compensation Board	General Inquiries	Sask.	(800) 667-7590	(888) 844-7773



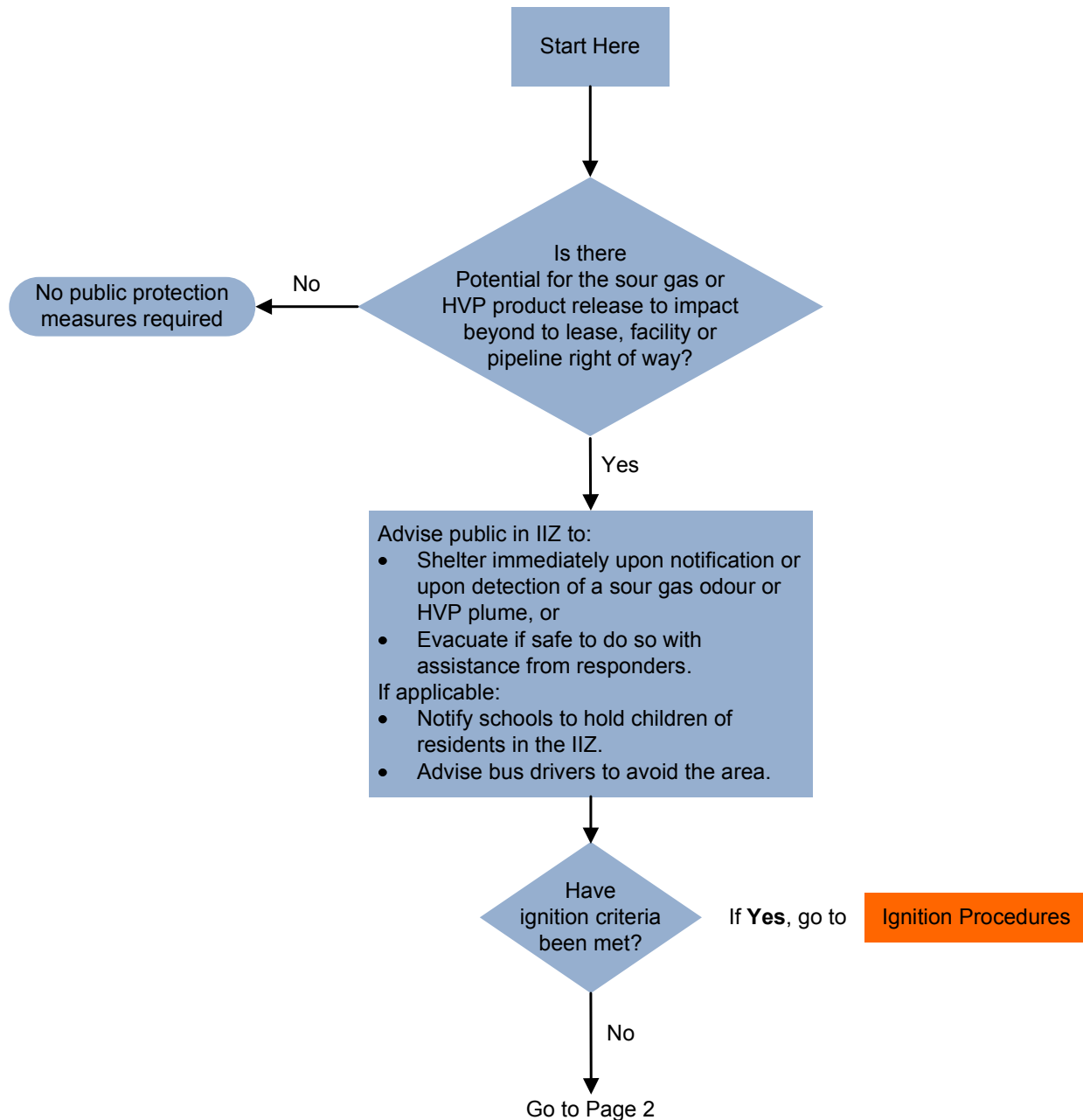


# PUBLIC PROTECTION MEASURES

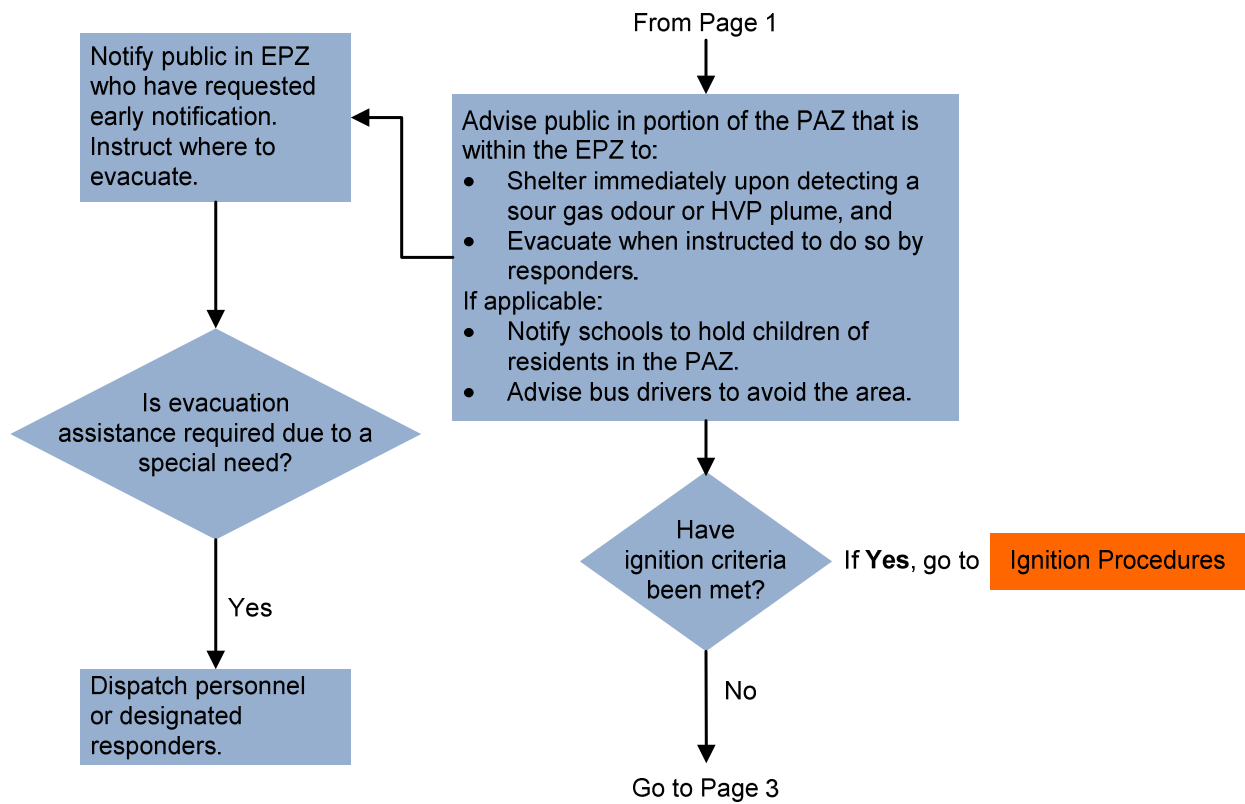
## Decision Tree Pullout

## Emergency Response Plan

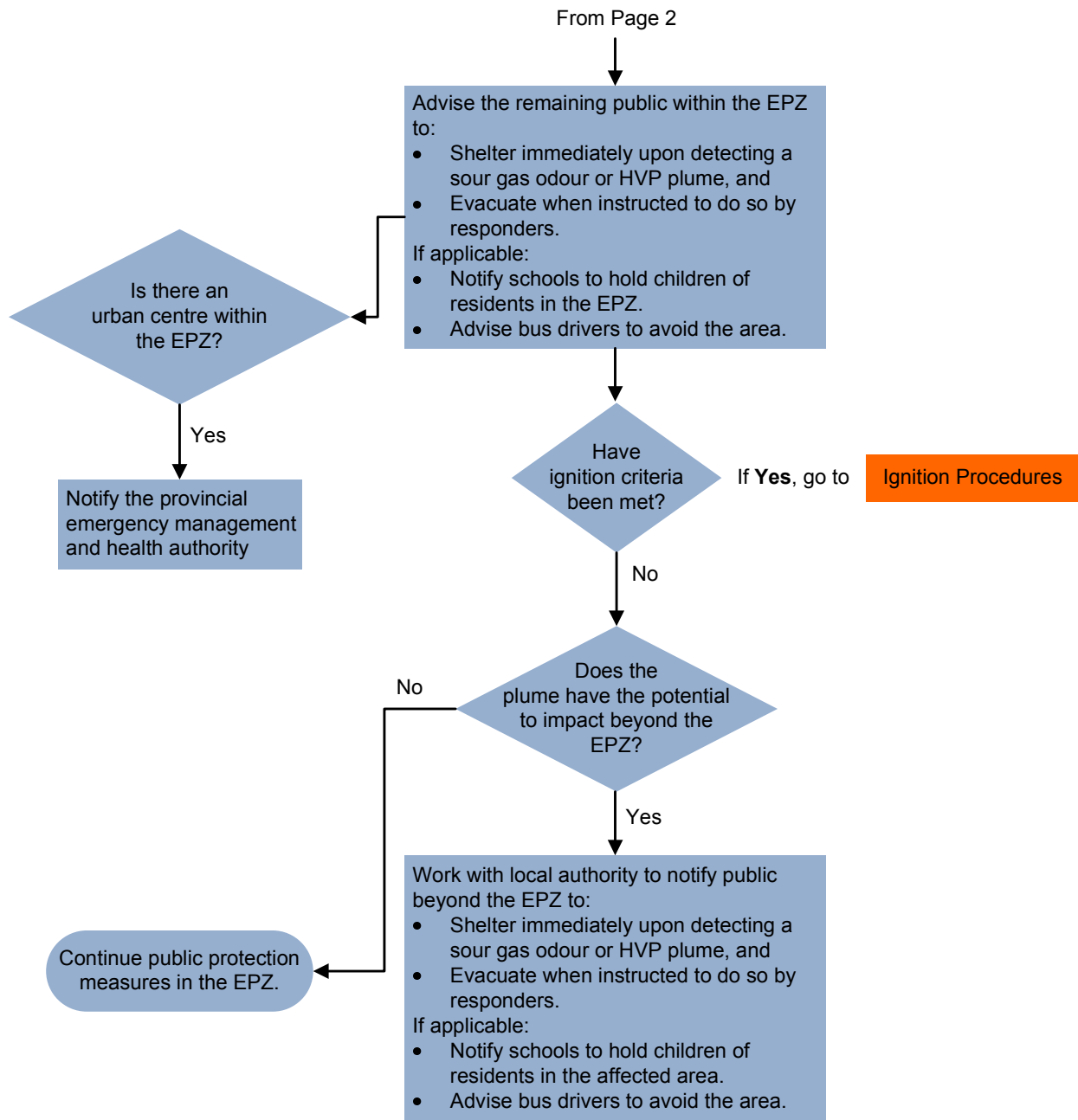
The following 3 pages are a decision tree for public protection measures for the planning and response zones. This can be pulled out of the document for ease of reference. Ignition Procedures refers to a separate tab in this document.



# PUBLIC PROTECTION MEASURES



# PUBLIC PROTECTION MEASURES



**PUBLIC PROTECTION MEASURES**

**Decision Tree Pullout**

**Emergency Response Plan**

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## PUBLIC PROTECTION MEASURES

### Evacuation Strategy

### Emergency Response Plan

Resident locations within the EPZ including phone numbers and Evacuation Centre information are contained within the Site Specific Information Sections of this document. A map of the area showing residence locations is found in the Map section.

It is the licensee's responsibility to initiate public protection measures in the EPZ for any incident involving a release of sour gas or HVP Product if there is potential for the release to impact members of the public. This could also include SO<sub>2</sub> if the sour gas release was ignited.

**EVACUATION IS VOLUNTARY UNLESS A STATE OF LOCAL EMERGENCY OR FIRE HAZARD ORDER IS DECLARED BY THE LOCAL AUTHORITY, HEALTH AUTHORITY OR GOVERNING AGENCY. THE LEAD GOVERNMENT AGENCY REQUIRES A LICENSEE TO ADVISE RESIDENTS TO EVACUATE IF THE NEED ARISES.**

#### Action Levels in Unevacuated Areas - H<sub>2</sub>S

H <sub>2</sub> S Concentrations	Action
1 to 10 ppm (3 minute average)	Individuals who requested notification so that they can voluntarily evacuate before any exposure to H <sub>2</sub> 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. Licensees should use proper judgment in determining if evacuation is required.

#### Action Levels in Unevacuated Areas - SO<sub>2</sub>

If the release is ignited, the operator must continue to monitor SO<sub>2</sub> levels and evacuation must take place if SO<sub>2</sub> levels reach:

SO <sub>2</sub> Concentration	Action
5 ppm (15 minute average)	Immediate evacuation of the area must take place.
1 ppm (3 hour average)	
0.3 ppm (24 hour average)	

#### Evacuation and/or Sheltering Indoors

When safe to do so, evacuation should take place before a release of sour gas or HVP product has the potential to affect people in proximity to the release or as soon as possible to avoid any exposure to the hazard.

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 an H<sub>2</sub>S release. In such a 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 protect public safety.

## PUBLIC PROTECTION MEASURES

#### Public Protection - H<sub>2</sub>S Release

Evacuation is the primary public protection measure for long-term releases if the public can be safely removed from the area. Evacuation begins in the IIZ and expands outward into the PAZ downwind of the release so that members of the public are not exposed to H<sub>2</sub>S. Evacuation of members of the public within the PAZ is based on monitored levels of H<sub>2</sub>S (refer to table page 1).

The licensee must continuously assess and act on the need to expand the evacuation area based on the monitored levels of H<sub>2</sub>S and as dictated by the incident itself. In the absence of the ability to take 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 shelter in place pending further instructions from the licensee and/or local authority, depending on existing arrangements.

A shift in wind direction will require immediate re-evaluation of the PAZ and the need for additional evacuation and/or sheltering.

#### Public Protection – HVP Product

Sheltering is the primary public protection measure for an HVP product release. Evacuation of the public should only proceed when it is safe to do so and after an assessment of:

- the size and expected duration of the release,
- egress routes
- current and expected meteorological conditions, and
- the potential for unexpected ignition

For HVP product releases, the IIZ and PAZ define a region adjacent to the release where plume concentrations may fall within the upper explosive limit and LEL and where the public may be directly exposed to the flame if the plume ignited. For large failure events, this area reaches its maximum extent shortly after initiation of a failure and then declines. Inadvertent actions within this region may lead to ignition; thus sheltering is recommended until the position of the plume can be assessed and evacuation can take place safely.

Evacuation is recommended for cases in which the plume is visible and egress can occur in any direction away from the plume. A decision to evacuate should be made by qualified individuals with access to LEL monitors.

## PUBLIC PROTECTION MEASURES

### Evacuation Actions

1. Assign Evacuation Team responsibilities. Go to the **Response Team** section.
2. Determine if sheltering or evacuation is the best course of action.
3. Activate the Evacuation Centre. If a location for the centre has been pre-determined the details will be included with the information related to this specific property. If the Evacuation Centre is not defined complete the Evacuation Centre Information form that follows in this section.
4. Prepare a standard evacuation or shelter message. Sample messages are located on pages 7 and 8 of this section.
5. Telephoners will contact residences and public centres within the Response Zones using the prepared evacuation statement. Priority should be given to those residences identified with sensitive individuals and those directly downwind.
6. Determine the best evacuation route for each resident
7. Insist that the evacuee leave immediately and must check in at the Evacuation Centre.
8. Record the following information for each evacuee on the **Evacuee Information Form** found in the **Forms** section:
  - Name
  - Telephone Number
  - Location of residence
  - Number of occupants
  - Time contacted
  - Time checked in
  - Evacuation Route
  - Remarks - which might include:
    - Are any children in School (see School Notification below)
9. Dispatch Rovers to visit residents not contacted by Telephoners and vacant residences and evacuate as necessary. Verify evacuation of those contacted and begin area search for transients within the EPZ. Additional personnel may be required to support residents identified as requiring assistance.
10. **Time may be critical** - evacuee questions will be answered at the Evacuation Centre.
11. Assign additional Rovers to assist any residents requesting assistance. Contact Local Authority or local police or RCMP for potential assistance.

### Sheltering Summary

The resident should seek shelter by moving indoors to the upper-level and centre of the room. Close all doors and windows and turn off any appliance, air conditioner or furnace that draws outside air.

**Note: It is important to provide contact numbers to sheltered members of the public. They must be reassured that they have not been forgotten and that sheltering is the safest action at this time.**

### School Notification

In a sheltering or evacuation situation Telephoners will notify schools to hold children of residents located in the Response Zones. The schools must also be instructed to advise all bus drivers to avoid entering the area.

## PUBLIC PROTECTION MEASURES

### Evacuation Strategy

### Emergency Response Plan

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#### Sensitive Residents

Residents within the EPZ that have been identified as requiring early notification are identified on the Resident Summary, located in the Resident Information section. These residents may be notified at the licensee's discretion at an alert level and must be notified at a level 1 emergency. They may decide whether to voluntarily evacuate. Notification of all other residents within the EPZ must begin at a Level 2 emergency.

Sensitive residents include those who are susceptible, hyper susceptible, residents with no telephone, a residence where contact attempts were unsuccessful, and those requesting early notification.

Susceptible residents are defined as the subpopulation of persons who may be considered more sensitive to the effects of H<sub>2</sub>S and SO<sub>2</sub>, including:

- the elderly,
- pregnant women, and
- the very young, particularly preschool-aged children.

Hyper susceptible residents are defined as persons who may be abnormally reactive to a given exposure to toxins and whose reaction may occur in orders of magnitude greater than that of the susceptible population. Hyper susceptible persons includes those with:

- impaired respiratory function
- heart disease,
- liver disease,
- neurological disorders,
- eye disorders,
- severe anaemia, and
- suppressed immunological function.

#### Evacuation Centre Activities

#### Equipment List

**NOTE:** Quantities will be dependent upon the number of evacuees expected

- copy of ERP (or Emergency Contact List)
- evacuation forms (set of 3 located in FORMS Section)
- telephones (cell & land line), local telephone directory
- access to fax machine

Optional:

- tables and chairs
- basic amenities (coffee, tea, juices, etc.)
- cots, blankets
- first aid kit

## PUBLIC PROTECTION MEASURES

### Evacuation Strategy

### Emergency Response Plan

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1. A company representative must be present at the Centre at all times.
2. Check people into the centre - **Evacuation Centre Record - Forms** section
3. Organize food and/or shelter for the evacuees
  - provide an **Evacuee Expense Form - Forms** section
  - make arrangements to care for their livestock and pets
  - provide security for evacuated residences and businesses
4. Verify arrivals with the On-Site Command Post
5. Keep people well informed
6. Coordinate efforts to transfer children detained at school to reunite with family.
7. If people wish to leave and stay elsewhere:
  - record their destination and how the Company can contact them
  - distribute a phone number that people can contact the Company

#### **Secure Access to Area (Refer to Isolation)**

Entry to unsafe areas must be limited to essential personnel only. Operating personnel can request the assistance of the local authority to secure the emergency planning zone. Use available means; rope, barricades, roadblocks, security guards etc. to ensure only authorized access. Keep record of entries to evacuated area.

#### **Evacuation Verification**

We will dispatch Rovers to search the evacuated areas and leading edge of the plume for any persons such as transients, mobile residents and workers using the road system in this area. Anyone found within the evacuation zone will be directed to leave the zone immediately using the safest route.

Operating personnel from production facilities in the area could occasionally conduct business within the Emergency Planning Zone. Personnel at these production facilities are to be contacted and informed of the emergency situation.

#### **Communication and Notification**

There will be continual telephone/ radio contact between the Response Team monitoring the release, the On-Scene Commander and employees responsible for evacuating the response zones.

Operations personnel at gas plants in the vicinity will be notified immediately of an emergency. They may be called upon to aid in an emergency situation.

Activities such as public notification and evacuation in areas beyond the Emergency Planning Zone will be initiated in coordination with the local authority and executed in conjunction with our Response Team. Use the table found on page 1 of this section as a guide to determine if the evacuation zone should be expanded.

As required, the On-Scene Commander or delegate(s) will ensure that evacuees or sheltered residents are kept informed of the status of the emergency situation.

## PUBLIC PROTECTION MEASURES

### Evacuation Strategy

### Emergency Response Plan

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#### Long Term Evacuation

The duration of the incident may require that accommodation be provided for evacuees. In any situation having the potential to be sustained overnight a company representative should begin reserving adequate hotel/motel accommodation in the surrounding communities. Evacuation Centre personnel should determine if any evacuees have alternate accommodation.

If alternate accommodation is required:

1. Record how the company can continually contact each family unit
2. Provide a phone number that evacuees can use to contact the company
3. Continue arrangements for livestock and security of property and businesses
4. Provide **Evacuee Expense Form - Forms** section

Our company representatives will continue to keep evacuees informed of the situation. When authorized by the Lead Government Agency we will contact and assist evacuees to return to their residences.

#### Evacuation Beyond the Emergency Planning Zone

Notification and evacuation will take place outside the EPZ in accordance with the licensee's arrangement with the Local Authority (Refer to the **Site Overview – Evacuation Summary** and **Local Authorities Involvement** for information for details on responsibilities). *The Petroleum Industry Incident Support Plan* will also be activated by the Government for level 2 and level 3 emergencies to provide support to the incident response. Notification mechanisms outlined in the municipality emergency plan response framework may be used by the local authority to notify residents if public protection measures are required outside the EPZ. The notification mechanisms will be based on monitored air quality and other situations that might arise during the emergency. Evacuation of the area outside the EPZ is coordinated through the licensee's ERP and the response framework in the Local Authorities emergency plan. The health authorities may also have a role in evacuation.

## PUBLIC PROTECTION MEASURES

Shelter-in-Place Message

Emergency Response Plan

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### NOTIFICATION – PROBLEM - SEEK SHELTER

**Identify yourself as a representative of the company and use the following message.**

I am calling to advise you of an operational problem we are having at our production facility ***OR*** with our pipeline (*state location of facility OR pipeline leak in relation to residence*). As a safety precaution please remain inside with your doors and windows closed. Turn off any appliance, air conditioner or furnace that draws outside air.

**How many people are at your residence now?**

**Are there small children, pregnant mothers, elderly, disabled or individuals with respiratory sensitivity or heart problem?**

If the situation changes and requires you to leave, we will call you back and advise you what to do.

**If the situation requires you to evacuate, will you need transportation?**

I will call you back to give you an update. If you have any questions, please call me at (*telephone number*). We are asking that you minimize the use of your telephone during this time to ensure our ability to call you if the need arises.

## PUBLIC PROTECTION MEASURES

### NOTIFICATION - EVACUATION

**Identify yourself as a representative of the company and use the following message.**

I am calling to advise you of an operational problem we are having at our production facility ***OR*** with our pipeline (*state location of facility ***OR*** pipeline leak in relation to residence*) that requires you to leave your residence. You are in no immediate danger, but as a precaution we want you and others with you to proceed directly to (*designated location*) where we have established an evacuation centre.

**How many people are presently at your home?**

**Do you have adequate transportation?**

If yes:

Please travel (*directions*) of your location. That route will take you safely out of the hazard area.

If no:

Close all doors and windows and our driver will be there shortly to pick you up.

If records show school aged children at this residence, read the following:

We have contacted the schools and they will hold students at the school. You may pick them up or we can arrange to have them taken to the evacuation centre.

It is very important for us to know where you can be contacted both during and after the evacuation so please report in at the evacuation centre. Our representative at the centre will address any concerns you may have.

**\*\*Review *directions* and review *designated location* of Evacuation Reception Centre to ensure resident can/will safely evacuate.**

Please do not use your telephone as it may hinder our efforts to contact you. Thank you for your cooperation.

**EVACUATION CENTRE INFORMATION**

**LOCATION DETAILS**

**Evacuation Centre Location:** \_\_\_\_\_

**Directions:**

\_\_\_\_\_  
\_\_\_\_\_

**General Instructions:**

\_\_\_\_\_  
\_\_\_\_\_

**Number of people facility can accommodate:** \_\_\_\_\_

**CONTACTS**

**Contact Names:**

**Telephone:**

_____	_____
_____	_____
_____	_____
_____	_____

**NOTIFICATIONS  
(Check List)**

Police: \_\_\_\_\_ Emergency Mgmt: \_\_\_\_\_ Municipality: \_\_\_\_\_  
Ambulance: \_\_\_\_\_ Fire Department: \_\_\_\_\_ Schools: \_\_\_\_\_  
O H & S: \_\_\_\_\_ Media: \_\_\_\_\_  
Health Authority: \_\_\_\_\_ Lead Government Agency: \_\_\_\_\_

**Number of persons checked in:** \_\_\_\_\_

**LONG TERM EVACUATION OPTIONS**

If required, locations such as hotels and motels, that could be used for extended evacuation of residents, have been identified in the information specific to this property and are listed under the heading **Long Term Evacuation**. If the need for long term evacuation occurs and no pre-determined facilities are identified you will need to research accommodations in your area and contact them to determine availability for use. Compensation for the use of the facility is to be provided by the company.



# IGNITION CRITERIA

Alberta

Emergency Response Plan

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## Ignition Criteria

During a release of H<sub>2</sub>S assess the following:

- risk of exposure/injury to the public or response workers
- proximity to residences, public facilities, towns, or urban centres
- status of evacuations
- fire hazard after ignition in relation to adjacent forested or cropland area
- safety of ignition team (hazard area identification, protective gear)

Flow of sour gas to the atmosphere must be ignited as soon as all personnel working at the site can be cleared to a safe distance and when one of the following conditions are met:

- although required, evacuation of the response zones has not taken place
- monitoring results indicate H<sub>2</sub>S concentrations in excess of 10 ppm (3-minute average) in unevacuated parts of the EPZ. **IF MONITORED LEVELS ARE DECLINING, THEN THE SITUATION NEEDS TO BE CONTINUOUSLY ASSESSED FOR IGNITION.**
- monitored H<sub>2</sub>S concentrations exceed 1 ppm (1-hour average) detected in urban density developments.
- monitoring is not taking place due to weather or other unforeseen circumstances.
- the release cannot be brought under control in the short term (ignition decision will be made in consultation with the ERCB).
- ignition of an HVP product release should occur only after the position of the plume has been established, after careful deliberation and when safe to do so.

**Once any of the above conditions has been met, ignition must occur within 15 minutes of the decision to ignite.**

## Authorization

During a sour gas release, ignition discussions between the company and ERCB should occur at preset intervals until the situation has been brought under control.

When the situation allows no time, The ON-SCENE COMMANDER; has decision authority to ignite the gas release and will be fully supported by company management.

## Explosion / Fire Prevention

Steps must be taken to minimize any chance of unplanned ignition until a decision has been made to ignite a release.

A high pressure water fog line can be used to keep gas mixture below explosive limit.

1. Approach gas from upwind.
2. Aim water stream through area where gas is lying.
3. Move stream slowly from side to side along the surface.

# IGNITION CRITERIA

Alberta

Emergency Response Plan

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## Ignition Procedure

**Note: Pre-plan an escape route.**

1. Evacuate hazard area beyond explosive mixture areas.
2. Two persons with accredited ignition training will form an Ignition Team.

Equipment:

- personal protective equipment – ignition team will wear safety belts tethered to life lines
- self contained breathing apparatus
- handheld H<sub>2</sub>S detector
- LEL monitor

**BE AWARE THAT SIGNIFICANT H<sub>2</sub>S HAZARD TO PERSONNEL EXISTS BEFORE INITIAL READINGS ON A COMBUSTIBLE GAS DETECTOR**

**ENSURE NO LIQUID HYDROCARBONS ARE IN THE VICINITY OF PERSONNEL**

**EXPLOSIVE LIMITS OF H<sub>2</sub>S GAS ARE 4.3% TO 46% VOLUME**

**NEVER MAKE AN IGNITION ATTEMPT IF YOU ARE IN PROXIMITY OF AN EXPLOSIVE MIXTURE ZONE**

**BEWARE OF CHANGES IN AIR MOVEMENT OR WIND**

**YOU MUST BE ABSOLUTELY SURE YOU ARE IN A SAFE AREA**

## Safety

- approach from upwind. If calm, approach from most accessible direction.
- advance until within range of flare gun or remote ignition system and well outside explosive mixture zone.
- use the protection of a large solid object (if possible) or use prone position.
- aim at source of release if using flare and attempt ignition from this point.
- if unsuccessful advance a few steps and retry. Repeat until ignition is achieved.

**IF IGNITION IS NOT SUCCESSFUL DO NOT ENTER EXPLOSIVE MIXTURE ZONE UNTIL IT IS CERTAIN THAT IGNITION SOURCES ARE EXTINGUISHED**

## Post Ignition Considerations

Continue monitoring for H<sub>2</sub>S for incomplete combustion.

Ignition does not negate the need for continuing with evacuation as there may be residual pockets of H<sub>2</sub>S or SO<sub>2</sub> in the area.

The Monitoring Crew and Air Monitoring service will begin monitoring for SO<sub>2</sub>. Beyond the EPZ, public safety activities, isolation and evacuation must occur if sulphur dioxide reaches 5 ppm (15 minute average) or 1 ppm (3 hour average) or 0.3 ppm (24 hour average).

## IGNITION CRITERIA

An uncontrolled release of sour gas must be ignited as soon as all personnel working at the site have cleared to a safe distance under any of the following conditions:

1. There is an uncontrolled flow, the effluent has reached the surface, there is no immediate chance of control and the flow, if not ignited, could lead to loss of life.
2. There is flowing sour gas to the surface and safety of residents cannot be assured because:
  - evacuation of residents within the emergency response planning zone CANNOT be accomplished; or
  - monitoring results indicate H<sub>2</sub>S levels of 15 ppm for 15 minutes in unevacuated areas; or
  - monitoring is not taking place due to some unforeseen circumstances, such as bad weather or communication breakdown.
  - monitored H<sub>2</sub>S concentrations exceed 1 ppm (1-hour average) in urban density developments
3. For special sour wells, as determined by BCOGC, immediate ignition of a well may be required.
4. The release cannot be brought under control in the short term (ignition decision will be made in consultation with the BCOGC).

**Ignition must occur within 15 minutes of the decision to ignite.**

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**AUTHORIZATION** Authorization to ignite will be given after discussion with the company CORPORATE OPERATING OFFICER, the INCIDENT COMMANDER and LEAD GOVERNMENT AGENCY

When the situation allows no time for consultation, the decision must be made by the acting ON-SCENE COMMANDER; his decision will be fully supported.

**DECISION** **CONSIDERATIONS PRIOR TO DECISION TO IGNITE**

1. Could additional equipment damage prolong or complicate control efforts?
2. Could the subsequent effects of ignition significantly complicate control efforts, endanger personnel or cause additional environmental damage?

**EXPLOSION** A high pressure water fog line can be used to keep gas mixture below explosive limit.  
**FIRE PREVENTION**

1. Approach gas from upwind.
2. Aim water stream through area where gas is lying.
3. Move stream slowly from side to side along the surface.

**IGNITION  
PROCEDURE**

**Note: Pre-plan an escape route.**

1. Evacuate hazard area beyond explosive mixture areas.
2. Two persons will form an Ignition Team.  
Equipment:
  - proximity suits
  - self contained breathing apparatus
  - H2S detector
  - combustible gas detector
  - flare pistol

Ignition System Procedure: Ignition Team will wear safety belts tethered to life lines.

3. Two persons with self contained breathing apparatus, H2S detectors, resuscitator, and intrinsically safe mobile radios will form a Backup Rescue Team.

**BE AWARE THAT SIGNIFICANT H2S HAZARD TO PERSONNEL EXISTS BEFORE INITIAL READINGS ON A COMBUSTIBLE GAS DETECTOR**

**ENSURE NO LIQUID HYDROCARBONS IN THE VICINITY OF PERSONNEL**

**EXPLOSIVE LIMITS OF H2S GAS ARE 4.3% TO 46% VOLUME**

**NEVER MAKE AN IGNITION ATTEMPT IF YOU ARE IN PROXIMITY OF AN EXPLOSIVE MIXTURE ZONE**

**BEWARE OF CHANGES IN AIR MOVEMENT OR WIND**

**YOU MUST BE ABSOLUTELY SURE YOU ARE IN A SAFE AREA**

**SAFETY**

Approach from upwind. If calm, approach from most accessible direction. Advance until within range of flare gun or remote ignition system and well outside explosive mixture zone. Use the protection of a large solid object (if possible) or use prone position. Aim at source of release if using flare and attempt ignition from this point. If unsuccessful advance a few steps and retry. Repeat until ignition is achieved.

**IF IGNITION IS NOT SUCCESSFUL DO NOT ENTER EXPLOSIVE MIXTURE ZONE UNTIL IT IS CERTAIN THAT IGNITION SOURCES ARE EXTINGUISHED**



# FIRST CALL COMMUNICATION

## First Call Communication

<b>CONTACT DETAILS</b>	Lead Government Agency Contact		Field Centre		
	Caller*			Phone*	
	Notification*      date*      time*		Release*      start date*      start time*      end time*		<input type="checkbox"/> Ongoing
	Licensee			Phone	
	Location*		Nearest Town		
	Nearest Resident		Distance / Direction		Phone
	Media Involvement?*		Media Contact		
	Operator		Phone		
<b>PUBLIC IMPACT</b>	Public Health and Safety* <input type="checkbox"/> could be jeopardized <input type="checkbox"/> is jeopardized		Worker Injuries* <input type="checkbox"/> First aid <input type="checkbox"/> Fatality <input type="checkbox"/> Hospitalization		
	Emergency Assessment Matrix Completed with licensee* <input type="checkbox"/> Alert <input type="checkbox"/> Two <input type="checkbox"/> One <input type="checkbox"/> Three		ERP Activated? <input type="checkbox"/> Site Specific <input type="checkbox"/> Corporate <input type="checkbox"/> Field / Area		
	EPZ Size (2 km if unknown)		Numbers and Types of Public in EPZ		EOC / ICP Location
	Public Protection Measure Implemented		<input type="checkbox"/> Notification <input type="checkbox"/> Roadblocks <input type="checkbox"/> Shelter <input type="checkbox"/> Evacuation		Number Evacuated
<b>RELEASE TYPE</b>	Release Impact* <input type="checkbox"/> On Lease <input type="checkbox"/> Off Lease		H <sub>2</sub> S Concentration*		
	<input type="checkbox"/> Sensitive Environment*		Environment Affected* <input type="checkbox"/> Air <input type="checkbox"/> Standing Water <input type="checkbox"/> Land <input type="checkbox"/> Flowing Water		Water Body Name
	Area Affected (m <sup>2</sup> )*		<input type="checkbox"/> Property Damage* <input type="checkbox"/> Equipment Loss* <input type="checkbox"/> Wildlife / Livestock Affected*		
	Gas Release <input type="checkbox"/> Sweet <input type="checkbox"/> Sour			Volume / Rate	
	Liquid Release <input type="checkbox"/> Oil <input type="checkbox"/> Water <input type="checkbox"/> Effluent			Volume / Rate	
	<input type="checkbox"/> Release Point Determined				
<b>CONTAINMENT</b>	Third Party / Outside Assistance Required*		<input type="checkbox"/> Incident contained or controlled <input type="checkbox"/> Imminent control probable <input type="checkbox"/> Intermittent control possible <input type="checkbox"/> Incident is uncontrolled		
	Company		WCSS Co-op		

\* These fields must be completed to generate an FIS number and/or to complete an Emergency Assessment Matrix.

# FIRST CALL COMMUNICATION

Forms

Emergency Response Plan

<b>OPERATION TYPE</b>	Well Licence No.		Type of Incident <input type="checkbox"/> Kick <input type="checkbox"/> Blowout <input type="checkbox"/> Loss of Circulation				
	Well Status		<input type="checkbox"/> Drilling	<input type="checkbox"/> Servicing	<input type="checkbox"/> Producing	<input type="checkbox"/> Injection	<input type="checkbox"/> Suspended
			<input type="checkbox"/> Standing	<input type="checkbox"/> Sweet	<input type="checkbox"/> Sour	<input type="checkbox"/> Critical	
	Pipeline Licence No.		Line No.		<input type="checkbox"/> Hit	<input type="checkbox"/> Leak	<input type="checkbox"/> Rupture
Production Facility Licence No.		<input type="checkbox"/> Gas	<input type="checkbox"/> Gas Plant	<input type="checkbox"/> Compressor	Environmental Approval No.		
		<input type="checkbox"/> Oil	<input type="checkbox"/> Battery	<input type="checkbox"/> Other			
<b>AIR MONITORING</b>	<input type="checkbox"/> Licensee Air Monitoring Occuring		<input type="checkbox"/> Mobile	<input type="checkbox"/> Handheld		Estimated Time of Arrival	
	Initial Readings / Location		<input type="checkbox"/> PPB	<input type="checkbox"/> On Site		Distance	
			<input type="checkbox"/> PPM	<input type="checkbox"/> Off Site			
	Contractor Name		Phone			Air Monitoring Unit Phone	
Wind		Direction	Speed	Meteorological Conditions		Air Monitoring Unit ETA	
<b>COMMUNICATIONS</b>	Communications completed by Licensee and/or Lead Government Agency						
	<input type="checkbox"/> Fire <input type="checkbox"/> Health Authority <input type="checkbox"/> NEB <input type="checkbox"/> TDG <input type="checkbox"/> Emergency Mgmt <input type="checkbox"/> WCSS <input type="checkbox"/> Prov. Env. <input type="checkbox"/> Health and Welfare <input type="checkbox"/> DFO <input type="checkbox"/> First Nations <input type="checkbox"/> RCMP / Police <input type="checkbox"/> Other <input type="checkbox"/> WH&S <input type="checkbox"/> Local Authority <input type="checkbox"/> Environment Canada <input type="checkbox"/> Indian Oil and Gas <input type="checkbox"/> Ambulance						
	Contact Names and Phone Numbers						
Incident Cause <input type="checkbox"/> Natural <input type="checkbox"/> Human-Induced Unintentional <input type="checkbox"/> Human-Induced Intentional							
<b>OTHER INFORMATION</b>	<input type="checkbox"/> First Nations Band		Band / Settlement Name / Contact			Phone	
	<input type="checkbox"/> Metis Settlement						
	Complaints		<input type="checkbox"/> Local				
			<input type="checkbox"/> Large Area				
	Private Land Title Holder				Phone		
	Public Land Type		<input type="checkbox"/> Irrigation	<input type="checkbox"/> Forestry	<input type="checkbox"/> Grazing	<input type="checkbox"/> Other	
Public Land Administrator Contact				Phone			
Additional Information							

# ACCIDENT / INCIDENT REPORT

Forms

Emergency Response Plan

## ACCIDENT/INCIDENT PARTICULARS

EXACT LOCATION:	
DATE AND TIME:	
REPORTED TO:	DATE AND TIME:

## TYPE OF ACCIDENT/INCIDENT

LOST TIME	INJURY OR ILLNESS	PROPERTY DAMAGE
MEDICAL AID	PRODUCTION LOSS	OTHER

## PERSONAL INJURY

NAME OF PERSON INJURED:	OCCUPATION:
DESCRIPTION OF INJURY:	

## PROPERTY DAMAGE OR PRODUCTION LOSS

DESCRIPTION OF DAMAGE OR LOSS:
COST OR AMOUNT OF LOSS:
OBJECT/EQUIPMENT/SUBSTANCE INFLECTING DAMAGES:

## DESCRIPTION

DESCRIBE CLEARLY HOW ACCIDENT/INCIDENT OCCURRED:
--

# ACCIDENT / INCIDENT REPORT

Forms

Emergency Response Plan

## ANALYSIS

WHAT ACTS, FAILURES OR CONDITIONS CONTRIBUTED MOST DIRECTLY TO THIS ACCIDENT/INCIDENT:

## PREVENTION

WHAT ACTION(S) WILL BE TAKEN OR RECOMMENDED TO PREVENT RECURRENCE:

## POST-INCIDENT REVIEW

PERSON RESPONSIBLE FOR FOLLOW-UP:

INVESTIGATED BY:

DATE AND TIME:

REVIEWED BY MANAGEMENT:

DATE AND TIME:

## COMMENTS

MANAGEMENT COMMENTS:

ADDITIONAL COMMENTS:



