



Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

HIDING CREEK

SUPPLEMENTAL EMERGENCY RESPONSE PLAN *to Corporate (Core) Emergency Response Plan*

DISCLAIMER:

In accordance with federal guidelines, portions of this Emergency Response Plan have been redacted as per the following:

- Canada Energy Regulator Order AO-001-MO-006-2016 s. 1.a.i.:
personal Information
- Canada Energy Regulator Order AO-001-MO-006-2016, s. 1.a.ii.:
facility / pipeline technical data, disclosure of which would risk security

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October 31, 2022

**Canadian Natural Resources Limited
24 Hour Emergency Number**

1-888-878-3700

AMENDMENT PROTOCOL

Annual updates are indicated by a consecutive 'revision' number dash zero (e.g. 7-0) while major revisions requiring a distribution will trigger a consecutive number change (e.g. 7-1).

Notification of errors and / or suggestions for improvement will be reviewed, addressed according to significance and considered for the next update by the EM Team. These notifications should include a) the ERP name, b) section(s) and page number(s) affected and c) the rationale for change and directed to:

CANADIAN NATURAL RESOURCES LIMITED

Email:

Canadian Natural is committed to the continuous improvement of its documentation. For full details on Canadian Natural's Management of Change protocols, refer to Section 7 of the Corporate (Core) Emergency Response Plan.

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AMENDMENT RECORD

Date (YYYY/MM/D) ERP Planner	Rev	Revision Details	Annual Update (Y / N)	Date inserted in ERP (YYYY/MM/D)	Inserted / Replaced by (Name & Signature)
2022/10/31 	4-0	<ul style="list-style-type: none"> Add fourth cross-border pipeline as per final CER approval Updated to current ERP format Company contact / field operations information updated Map updated 	Y		
2022/04/01 	3-1	<ul style="list-style-type: none"> License transfer complete to Canadian Natural Updated to current ERP format Company contact / field operations information updated Map updated 	N		
2021/10/29 	3-0	<ul style="list-style-type: none"> Gathering system reviewed All contact information and phone numbers confirmed and updated Map updated 	Y		
2020/10/30 	2-0	<ul style="list-style-type: none"> Gathering system reviewed All contact information and phone numbers confirmed and updated Map updated as required 	Y		
2019/10/31 	1-0	<ul style="list-style-type: none"> Gathering system reviewed All contact information and phone numbers confirmed and updated Map updated as required 	Y		
2018/10/31 	0-0	<ul style="list-style-type: none"> Prepared initial ERP for acquired Cenovus properties Updated ERP map to include continuous and no exit road labels and added UTM coordinates for ESDs. 	Y		

EMERGENCY RESPONSE PLAN

Hiding Creek

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The Hiding Creek ERP is Supplemental to Canadian Natural's Corporate (Core) Emergency Response Plan and covers the following:

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ORDER / LICENSE #	REGULATOR ERP ID
Hiding Creek		Compressor Station		
Hiding Creek		Compressor Station		
South Hiding Creek		Compressor Station		
Hiding Creek		CER regulated PL (Sweet Natural Gas)		
Hiding Creek		CER regulated PL (Sweet Natural Gas)		
Hiding Creek		CER regulated PL (Sweet Natural Gas)		
Hiding Creek		CER regulated PL (Sweet Natural Gas)		

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ALL HAZARDS IDENTIFICATION TABLE

Completed By: ERP Tech

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT (Low / Med / High)	MITIGATION MEASURES AVAILABLE / NEEDED (Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)		
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES		
		LAND USE AREAS	WILDLIFE / LIVESTOCK					
<input type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release						<input type="checkbox"/> Personal Gas Monitor		
						<input type="checkbox"/> Portable Gas Detector		
						<input type="checkbox"/> SCBA		
						<input type="checkbox"/> SABA		
						<input type="checkbox"/> ESD Procedures		
						<input type="checkbox"/> Emergency Planning Zone(s)		
						<input type="checkbox"/> Ignition Resources – Equipment		
						<input type="checkbox"/> Ignition Resources – Service Provider		
						<input type="checkbox"/> Roadblock Kit(s)		
						<input type="checkbox"/> Communication Plans – Public / Media		
						<input type="checkbox"/> SCADA ESD		
						<input type="checkbox"/> Other:		
High Vapour Pressure (HVP) Pipeline Release						<input type="checkbox"/> SCADA ESD		
						<input type="checkbox"/> Evacuation Procedures		
						<input type="checkbox"/> Roadblock Kit(s)		
						<input type="checkbox"/> Communication Plans – Public / Media		
						<input type="checkbox"/> Emergency Response Plan		
						<input type="checkbox"/> ESD Procedures		
						<input type="checkbox"/> Emergency Planning Zone(s)		
						<input type="checkbox"/> Ignition Resources – Equipment		
						<input type="checkbox"/> Ignition Resources – Service Provider		
						<input type="checkbox"/> Fire Extinguishers		
						<input type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers		
						<input type="checkbox"/> Other:		

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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
Large Chemical Storage Hazards (CEPA – E2) <input type="checkbox"/> <i>(large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)</i>						ACTIVE MITIGATIONS	
						<input type="checkbox"/>	Firefighting Equipment – e.g. <i>shovels, axes, picks, water packs, wheeled extinguishers</i>
						<input type="checkbox"/>	Fire Extinguishers
						<input type="checkbox"/>	Industrial Firefighters
						<input type="checkbox"/>	Roadblock Kit(s)
						<input type="checkbox"/>	Communication Plans – Public / Media
						<input type="checkbox"/>	Ignition Resources – Equipment
						<input type="checkbox"/>	Ignition Resources – Service Provider
						<input type="checkbox"/>	Evacuation Zone
						<input type="checkbox"/>	Evacuation Procedures
						<input type="checkbox"/>	ESD (Automatic Valves) Procedures
						<input type="checkbox"/>	SCADA ESD
						PASSIVE MITIGATIONS	
						<input type="checkbox"/>	Secondary Containment – <i>earth berms, dikes</i>
<input type="checkbox"/>	Separator / Surface Water Collection System						
<input type="checkbox"/>	Vessel Protection Systems – <i>PSVs, high level alarm</i>						
Petroleum Release / Spill <input checked="" type="checkbox"/> <i>(on land or in water, includes all types of petroleum spills, gas releases, flammable vapours releases)</i>	YES	YES	YES	YES	LOW	<input checked="" type="checkbox"/>	SCADA ESD at b-053-A
						<input checked="" type="checkbox"/>	CiNQ – Environment Conventional – Thermal Intranet Site: <i>spill reporting procedures / docs</i>
						<input checked="" type="checkbox"/>	TDG / LPG Emergency Responsibilities <i>(Guideline 10, Corporate ERP)</i>
						<input checked="" type="checkbox"/>	WCSS / Other Spill Cooperative Manual
						<input type="checkbox"/>	WCSS / Other Water Control Point Location(s)
						<input type="checkbox"/>	Boom(s)
						<input checked="" type="checkbox"/>	Absorbent Material
						<input checked="" type="checkbox"/>	Roadblock Kit(s)
						<input checked="" type="checkbox"/>	Proper PPE
						<input checked="" type="checkbox"/>	Communication Plans – Public / Media
						<input type="checkbox"/>	Other:



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<input checked="" type="checkbox"/> Asset Fire	YES	YES	YES	YES	LOW	<input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs	
						<input checked="" type="checkbox"/> Fire Extinguishers	
						<input checked="" type="checkbox"/> Fire Detection System (facilities)	
						<input checked="" type="checkbox"/> Roadblock Kit(s)	
						<input checked="" type="checkbox"/> Communication Plans – Public / Media	
						<input checked="" type="checkbox"/> Evacuation Procedures	
						<input checked="" type="checkbox"/> ESD Procedures	
						<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Wildfire <i>(can include grassfires, forest fires)</i>	n/a (municipal / provincial jurisdiction)	n/a (municipal / provincial jurisdiction)	n/a (municipal / provincial jurisdiction)	YES	LOW	<input checked="" type="checkbox"/> ESD Procedures	
						<input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs	
						<input checked="" type="checkbox"/> Fire Extinguishers	
						<input checked="" type="checkbox"/> Site Specific Wildfire Plans	
						<input checked="" type="checkbox"/> Evacuation Procedures	
						<input checked="" type="checkbox"/> Transportation Available	
						<input checked="" type="checkbox"/> Provincial Wildfire Reporting Contact Numbers	
<input checked="" type="checkbox"/> On-Site Chemicals / Fuels <i>(at ERP's main facilities)</i>	n/a (hazards contained within lease boundaries)	n/a (hazards contained within lease boundaries)	n/a (hazards contained within lease boundaries)	YES	Low	<input checked="" type="checkbox"/> Spill Reporting Procedures	
						<input checked="" type="checkbox"/> SDS – accessible via online database, EOC, District offices	
						<input checked="" type="checkbox"/> Fire Extinguishers	
						<input checked="" type="checkbox"/> Absorbent Materials	
						<input checked="" type="checkbox"/> Proper Storage	
						<input checked="" type="checkbox"/> Proper PPE	
						<input checked="" type="checkbox"/> SMS COP: Storage, Handling, Use / Disposal of Harmful Substances	
<input checked="" type="checkbox"/> Company Facility Isolation <i>(if access roads closed)</i>	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	<input checked="" type="checkbox"/> Shelter / Evacuation Procedures	
						<input type="checkbox"/> Other Transportation Available – e.g. snowmobile, ATV, helicopter, boat, etc.	
						<input checked="" type="checkbox"/> Area Work Alone Procedures	
						<input checked="" type="checkbox"/> Communication Plans	
						<input type="checkbox"/> Other:	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE	WILDLIFE / LIVESTOCK				
<input checked="" type="checkbox"/> Communications Failure	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	<input type="checkbox"/> Landlines	
						<input checked="" type="checkbox"/> Cell phones	
						<input checked="" type="checkbox"/> 2-Way Radios	
						<input checked="" type="checkbox"/> 2-Way Radios – Service Provider	
						<input checked="" type="checkbox"/> Internal Communication / Notification System	
						<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Power Outages	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	<input type="checkbox"/> Back-up generator(s)	
						<input checked="" type="checkbox"/> Communication systems	
						<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Severe Weather / Natural Disasters <i>(includes severe storms, blizzards, tornadoes, earthquakes, floods, landslides)</i>	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	<input checked="" type="checkbox"/> Communication Advisory	
						<input checked="" type="checkbox"/> ESD Procedures	
						<input checked="" type="checkbox"/> Area Working Alone Procedures	
						<input checked="" type="checkbox"/> Shelter / Evacuation Procedures	
						<input type="checkbox"/> Pumps	
						<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Pandemic <i>(reduced workforce)</i>	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	<input checked="" type="checkbox"/> Back-Up Resources for Continued Operations	
						<input checked="" type="checkbox"/> Internal Communication / Notification System	
						<input checked="" type="checkbox"/> Canadian Natural Pandemic Protocols – <i>Human Resources</i>	
<input checked="" type="checkbox"/> Security Threats <i>(theft / vandalism / violence / terrorism)</i>	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	<input checked="" type="checkbox"/> Internal Communication / Notification System	
						<input checked="" type="checkbox"/> Roadblock Kits	
						<input checked="" type="checkbox"/> Communication Plans – Public / Media	
						<input checked="" type="checkbox"/> Evacuation Procedures	
						<input checked="" type="checkbox"/> Information Systems: <i>Disaster Recovery Principles</i>	
<input type="checkbox"/> Other						<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	

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1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1		Foreman	Fort St. John Office	✓
2		Assistant Foreman	Fort St. John Office	✓
3		FSJ South Superintendent	Fort St. John Office	✓
4		Manager, Fort St. John Field Operations	Calgary Office	
Electronic (CiNQ)		Safety & Compliance Coordinator	Fort St. John Office	
5		Area Landman	Fort St. John Office	✓
6	Emergency Response Mobile Cart		Calgary Office Floor BHE 26	✓
7	Calgary Emergency Operations Centre (EOC)		Calgary Office BHE 26002	✓
*	Map for Roadblock Kit	Roadblock Kit		

1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
Email	Secretary of the Board cc Emergency Management & Security Program Support	Canada Energy Regulator	cc: [REDACTED]
NOT REQUIRED FOR 2022	CER – Hard Copy (Copy #9)		517 – 10 th Avenue SW Calgary, AB T2R 0A8
	CER – CD Copy		
8	Emergency Response and Safety Inspector	British Columbia Oil and Gas Commission	6534 Airport Road Fort St. John BC V1J 4M6
eSubmission	British Columbia Oil and Gas Commission	British Columbia Oil and Gas Commission	[REDACTED]
Email	Manager of Community Services	Peace River Regional District	P. O. Box 810 1981 Alaska Avenue Dawson Creek BC V1G 4H8 [REDACTED]
Email	Regional Fire Service Chief	County of Grande Prairie	10001 – 84 Avenue Clairmont AB T0H 0W0 [REDACTED]
Email	Director Environmental Public Health	Alberta Health Services – North Zone	11202 – 100 Avenue High Level AB T0H 1Z0 [REDACTED]

CD	Electronic copy on CD
eSubmission	Electronic copy submitted via British Columbia Oil and Gas Commission's online submission portal
Email	Electronic copy provided by email

EXTERNAL ERP DISTRIBUTION DISCLAIMER:

Site-Specific ERPs are forwarded electronically while the Corporate ERP can be found on our website here:
<https://www.cnrl.com/corporate-responsibility/health-and-safety/emergency-management>

The following stakeholders who are impacted by an Emergency Planning Zone have been offered an information package as part of the consultation process:

- Local Indigenous Nations
- Residents / Businesses
- Public Facilities
- Local Airport Operators
- Registered Trappers / Guide Outfitters
- Grazing Lease Holders
- Grazing Reserves
- Forestry Management Areas

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2 GENERAL INFORMATION

2.1 INTRODUCTION AND SUMMARY

2.1.1 FACILITY - GENERAL INFORMATION LOCATION

FACILITY LOCATION	Hiding Creek [REDACTED]	
PHONE NUMBERS	NUMBER	DESCRIPTION
	N/A	Office
	N/A	Control Room

DISTRICT OFFICE LOCATION	Fort St. John District Office	
PHONE NUMBERS	NUMBER	DESCRIPTION
	250-785-3085	Business
	250-785-3055	Fax
	250-263-2019	On-Call Phone

2.1.2 INCIDENT COMMAND POST (ICP) / EMERGENCY OPERATIONS CENTRE (EOC)

OFFICE LOCATION	Fort St. John District Office	
STREET ADDRESS	6744 Airport Road Fort St. John BC V1J 4H9	
MAILING ADDRESS	Bag 6450 Fort St. John BC V1J 4H9	
PHONE NUMBERS	250-785-3085	Business
	250-785-3055	Fax
	250-263-2019	On-Call Phone

2.1.3 SAFE LOCATIONS

NAME	LOCATION
On-Site Safe Location (Muster Area):	Upwind side of incident
Off-Site Safe Location (Staging Area):	To be determined at time of incident

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2.1.4 GENERAL LAND USE AND POPULATION DENSITY

Local Municipality		Peace River Regional District (BC) County of Grande Prairie (AB)
Area Land Use		Oil and gas, hunting, trapping, ranching
POPULATION DENSITY (WITHIN EPZ)		
NUMBER	TYPE	DESCRIPTION
N/A	Residences	N/A
N/A	Businesses / Organizations	N/A
N/A	Public Facilities / Recreational Areas	N/A
4	Trappers / Guide Outfitters	See Section 4
N/A	Grazing Leases / Reserves	N/A
N/A	Forest Management Areas	N/A
N/A	First Nations	N/A
	Lakes / Rivers	Redwillow River, South Redwillow River, Hiding Creek, Calahoo Creek, various other unnamed tributaries
1	Public Highways	Heritage Hwy 52
N/A	Other (Railway, logging, etc.)	


2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit	2	In all operators' trucks
Eye Wash Station – 1 litre bottle	3	compressor station and in vehicles
Eye Wash Station – 15 min flow	0	
First Aid Kit	2	In vehicles
First Aid Room	0	
First Aid Station	0	
Fire Blanket	0	
Firefighting Hand Tools (<i>e.g. shovels, axes, picks, hand pump water packs, etc</i>) - if risk of fire in or within 300 m of forest or grass land, minimum requirements are in place (see Corp ERP, Section 2.2.4)	2	In operators' trucks
Handheld Fire Extinguisher	3	compressor station and in vehicles
Ignition Equipment	0	
Personal Gas Monitor	3	At , each operator has one
Portable Gas Detector	0	
Portable Spill Response Kit	0	
Self-Contained Breathing Apparatus (SCBA)	0	
Spill Response Trailer	0	None located on site Nearest CNRL Trailer(s): - Fort St. John Office - Progress GP - Grande Prairie North Office
Supplied Air Breathing Apparatus (SABA)	0	
Wheeled Fire Extinguisher (150 - 300 lb)	0	

2.1.5.2 Roadblock (EPZ Isolation) Equipment

Roadblock locations will be determined at the time of an incident. Refer to Corporate (Core) Emergency Response Plan – Public Protection Measures for isolation procedures.

ROADBLOCK KIT CONTENTS	QUANTITY	LOCATION
3 triangular flare / reflector kits 1 traffic vest (mesh with reflective striping) 1 Stop / Slow paddle 3 traffic cones 1 30-minute flare with spike 1 flare gun with flares 1 6-volt flashlight with spare battery 1 12-volt spotlight 1 roll of Caution tape 1 windsock and stand - clipboard, pencils, paper - ERP map(s)	1	1 Roadblock Kit stored at: 

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID

Canadian Natural maintains emergency response support / mutual aid understandings with local authorities impacted by this ERP and information from these understandings are included in the sections below. These understandings are maintained by annual consultations; consultation forms are filed separately with the Emergency Management group and are not included in this plan. Consultation forms are used to:

- Collect contact information for emergency notification and updating purposes
- Inform government / agency / emergency responder of Canadian Natural practices and procedure to be followed
- Make available relevant information consistent with that which is specified in our Emergency Response Plan (ERP) to the government / agency / emergency responder
- Clarify roles, responsibilities and capabilities of both parties, including support and / or additional aid from agency
- Inform the government / agency / emergency responder of the potential hazards of Canadian Natural facilities
- Inform government / agency / emergency responder of Canadian Natural's risk controls and mitigation activities
- Collect the authorization signature of the relevant agency representative

2.1.6.1 External Emergency Response Plans - Local Municipalities

PEACE RIVER REGIONAL DISTRICT (BC)

The Peace River Regional District will be notified at any time an emergency occurs that involves the evacuation of residents.

It is essential that Canadian Natural's Incident Commander or designate maintain communication with PRRD's Protective Services Manager to ensure that responses are coordinated.

The PPRD has a formal Emergency Management Plan that outlines the measures and sources of assistance that can be obtained to support emergency response efforts within their jurisdiction. Upon request from the Oil and Gas Commission (OGC), the Regional District may address emergency response capabilities, expectations and preparedness. If required, the Regional District may activate their emergency plan in order to:

- Dispatch representative(s) to the EMBC's Emergency Operation Centre (EOC), if established
- Provide support to ensure notifications of endangered area residents
- Provide support to coordinate and deliver emergency social services to evacuated residents
- If necessary, declare a State of Local Emergency and issue an evacuation Alert, Order and Rescind
- Assist in a public information service; joint OGC, Industry, local government
- Provide building re-entry procedures

Emergency Services / Equipment:

The PRRD provides enhanced 9-1-1 Emergency Services to all municipalities and electoral areas of the Regional District. The 9-1-1 Emergency Services also includes fire / rescue radio dispatch for eleven fire departments throughout the region; fire dispatch centers are located at the Dawson Creek and Fort St John Fire Departments.

COUNTY OF GRANDE PRAIRIE (AB)

Responsibilities:

The Emergency Services Act requires the local authority of each Municipality to be responsible for Emergency Response Planning and for the direction and control of their emergency response in their respective jurisdiction.

Local Authority:

- Reviews the Site-Specific Emergency Response Plan (ERP)
- Initiates and manages the local Municipal disaster services response
- Dispatches representative(s) to the Emergency Operations Centre (EOC) when established and as required
- If required, activates their Municipal EOC and coordinates Municipal activities at this Centre
- Upon request, may assist with setting up and the administration of the Reception Centre
- Assists with the arrangements of temporary accommodations for residents who have been evacuated
- Assists with establishing, set up and maintenance of roadblocks as resources and staff training permit
- Ensures that local emergency services and resources are available to the level that they are trained
- Assists with off-site fire protection
- Activates the Emergency Public Warning System (EPWS) to alert the public to life-threatening hazards as required according to criteria set out by AEMA
- Supports operator in dealing with the emergency situation
- Initiates public protection measures, as required
- If necessary, declares a local state of emergency to provide local authorities with special powers (mandatory evacuation, use of or entry into private property, conscription, demolition of private property structures for safety reasons, etc.)
- Establishes a public information service, including use of the news Media to inform and instruct the public of the emergency as required
- Assists, as required, with post-incident damage assessment

Emergency Services / Equipment:

- The County has and may provide equipment and manpower in an off-site support role for fire protection and emergency mitigation. No County fire personnel will work outside of their scope of practice. All County personnel will remain under immediate control / direction of a County Fire Officer or designate. The County Fire Service is manned 24-hours a day from the Clairmont and Dunes Fire Halls. All other stations in the County service area are paid on-call and will be dispatched through 9-1-1.
- The County has uniformed Level 1 Peace Officers. The RCMP performs all other policing, evacuation and notification duties. The Peace Officers would be mobilized at the request of the RCMP.
- The County has a large Public Works Department (divided into three (3) zones), affiliated equipment and vehicles and a staff that ranges from 140 in the winter months to 240 in the summer months. Manpower and equipment may be available to assist with roadblocks and County road closures depending on training and availability.

County of Grande Prairie Notification 24-Hour Telephone Number 1-780-814-0280
For all emergencies 9-1-1

.../continued

MUNICIPAL DISTRICT OF GREENVIEW (AB)

Any time an emergency occurs that involves the evacuation of more people than Canadian Natural personnel can handle, the Municipal District of Greenview will be notified to assist. If necessary, the Municipal District will then declare a local state of emergency and take over the evacuation process, including activating and manning their own Reception Centre and sending Municipal District personnel / volunteers to manage an evacuation. It is essential that Canadian Natural's Incident Commander or designate maintain communication with the Municipal District's Manager Regional Fire Chief to ensure that responses are coordinated.

The Municipal District has an Emergency Response Plan (ERP). Their emergency number is included in the Municipal Contacts Section of Canadian Natural's ERP. They can be called to assist Canadian Natural with any emergency notifications, evacuations or procedures that may be required.

Emergency Services / Equipment:

Greenview Fire Rescue Services (GFRS) has three fire stations, #31 - DeBolt, #32 - Grovedale and #33 - Grande Cache and two (2) Fire Departments on contract, Fox Creek and Valleyview, each with approximately 20 volunteer fire fighters.

The Fire Departments are not equipped for industrial fire protection and would only be responsible for anything off-site or outside of the Emergency Planning Zone (EPZ). Some Fire Stations / Fire Department resources may be useful for on-site actions such as water tank trucks, potable water tanks, etc. and may be made available if requested. Certain areas have limited access or are extremely remote from any Fire Station / Fire Department.

Alberta Environment and Parks is responsible for wildland fire protection in these areas.

Local Law Enforcement: The Municipal District of Greenview contracts Peace Officer duties through the County of Grande Prairie Regional Enforcement Services. All policing duties are covered by the RCMP.

Local RCMP Detachments

The local RCMP detachments of Fort St. John (BC) and Grande Prairie (AB):

- May assist with initial area isolation, evacuation and / or assistance with closure of roads
- Provides security, traffic and crowd control
- May assist in search and rescue activities
- Maintains law and order

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.2 External Emergency Response Plans: Local Health Services

Alberta Health Services – North Zone

ENVIRONMENTAL PUBLIC HEALTH ROLES AND RESPONSIBILITIES

Alberta Health Services (AHS) – Environmental Public Health (EPH) roles and responsibilities in public health emergency preparedness and response to the oil and gas industry are outlined below. The provision of services during an emergency depends upon our assessment of legislative responsibilities, impact to services and business continuity.

EPH will endeavor to:

- Participate with the Licensee in the development of their Emergency Response Plans as it relates to the EPH Program's role and responsibility.
- Provide the AHS Zone Single-Point-of-Contact (SPOC) emergency phone number to enable the Licensee to notify and alert the Zone of an emergency. From the initial notification or alert, AHS emergency response will fan out to and coordinate with other AHS programs and facilities as necessary. 9-1-1 EMS services remain independent of the Zone SPOC notification / alert process.
- Participate with stakeholders in preparedness training and exercises associated with a Licensee's simulated activation of an Emergency Response Plan in which EPH has a role and responsibility.
- Participate in public information sessions during the Licensee's Emergency Response Plan development process when appropriate and resources permit.
- Provide guidance to stakeholders and local municipal authorities in identifying sites suitable for establishing and operating an evacuation Centre and / or Reception Centre, including operational requirements.
- In consultation with the Zone Medical Officer of Health (MOH) provide guidance to stakeholders on substances that may affect public health, including Alberta Health and Wellness acute exposure health effects for hydrogen sulphide and sulphur dioxide.
- Conduct assessments, inspections and give regulatory direction, when appropriate, to ensure the requirements of provincial legislation and EPH program areas of responsibilities for public health protection and disease prevention are maintained.
- Notify the Zone Medical Officer of Health of any incident affecting or potentially affecting other AHS programs or facilities. The Zone MOH will notify and coordinate emergency response in other program areas and facilities as necessary.
- Establish EPH emergency management operations, when appropriate, to support regional response efforts and liaise with the Government Emergency Operations Centre, Municipal Emergency Operations Centre and / or industry Emergency Operations Centre, if needed.
- Assist the Zone Medical Officer of Health, local municipal authority and Public Information / Communication Officers in the development, issuance and rescinding of public health, public evacuation and shelter-in-place advisories.
- Provide guidance to stakeholders on matters relating to evacuation of the public and / or public facilities and the re-occupancy of those evacuated areas or facilities.
- Record and respond to health complaints or concerns from the public during and following an incident.
- Participate in stakeholder debriefings as necessary.

Health Emergency Management British Columbia (HEM BC) / Northern Health (NH)**Health Emergency Management BC, North (HEMBC)**

HEMBC is a program under the Provincial Health Services Authority (PHSA). HEMBC provides the expertise, education, tools, and support specifically for the BC Health Sector to effectively mitigate, prepare for, respond to, and recover from the impacts of emergency events; ensuring the continuity of health services. There is a HEMBC team in each BC health authority. HEMBC-North deals specifically with Northern Health.

Roles and responsibilities:

- Maintain a 24-hour emergency/on call contact number for notification and activation of the health system in Northern BC
- Notify/activate the appropriate Northern Health programs (i.e. Public Health, Acute Care, etc.) based on the nature of the incident/emergency event

Northern Health (NH)

Northern Health is the regional health authority responsible for providing health services to 300,000 people over an area of 600,000 square kilometers in the province of British Columbia. Services include:

- Acute (hospital) Care
- Public Health (Protection, Preventive and Population Health services)
- Mental Health and Addictions
- Home and Community Care

In the event of a major emergency/disaster, Northern Health will provide health care services within its capacity, and will activate its emergency response management plan(s).

Roles & Responsibilities - PREPAREDNESS (PRE-EVENT):

- Participate with industry, local authority and other partners in the development of their Emergency Response Plans as it relates to health authority roles and responsibilities;
- Participate in stakeholder training and exercises associated with activation of an Emergency Response Plan, in which Northern Health or HEMBC have a role and responsibility (as resources allow);

Roles & Responsibilities - RESPONSE:

- Activate internal health emergency management plans related to ongoing provision of services (listed above);
- Provide acute care and emergency services at existing Northern Health hospitals/health centres;
- Work with BC Emergency Health Services (Ambulance) and the BC Patient Transfer Network to transport patients to the appropriate levels of care;
- Apply and enforce the Public Health Act, and associated regulations;
- Provide advice/information to the stakeholders on the existing or potential public health effects of an incident (including drinking water safety, air quality, environmental contaminants, communicable disease prevention, re-occupancy of evacuated areas, etc.);
- Provide advice/information on the best methods for monitoring health effects from an incident;
- Assist in development of (joint) messaging for public information on emergency incidents;
- Provide guidance to stakeholders and local authorities on public health considerations in operating reception and evacuation centres, and group lodging facilities

2.1.6.3 Mutual Aid

Canadian Natural does not currently participate in any formal mutual aid agreements for this ERP; however, reciprocal emergency response assistance on a service level to other industrial operators may be possible in the event of an emergency, depending on equipment / personnel resources and availability.

Canadian Natural Operated Third Party Assets

In an emergency involving another licensee whose assets are operated by Canadian Natural as listed below, Canadian Natural would provide First Responder and other actions as needed to implement a safe and efficient emergency response, with an immediate notification to these well or pipeline licensees to activate their ERP / participate in a joint response.

THIRD PARTY LICENSEE	ERP NAME	EMERGENCY NUMBER
N/A		

Non-Operated Third Party Tie In Assets

Where third party assets are tied into this plan's facility(ies) as listed below but not operated by Canadian Natural, the licensee will have their own ERP and would be responsible for emergency response actions involving their assets.

THIRD PARTY LICENSEE & OPERATOR	ERP NAME	EMERGENCY NUMBER
Cenovus Energy	Unknown at time of update	1-877-458-8080
Tourmaline Oil	Unknown at time of update	1-877-504-4252

2.1.7 DRIVING DIRECTIONS AND MAP

2.1.7.1 Driving Route

CER PIPELINES: Driving directions to staging area location will be determined by field operations at time of incident.

From Tumbler Ridge to Hiding Creek

-

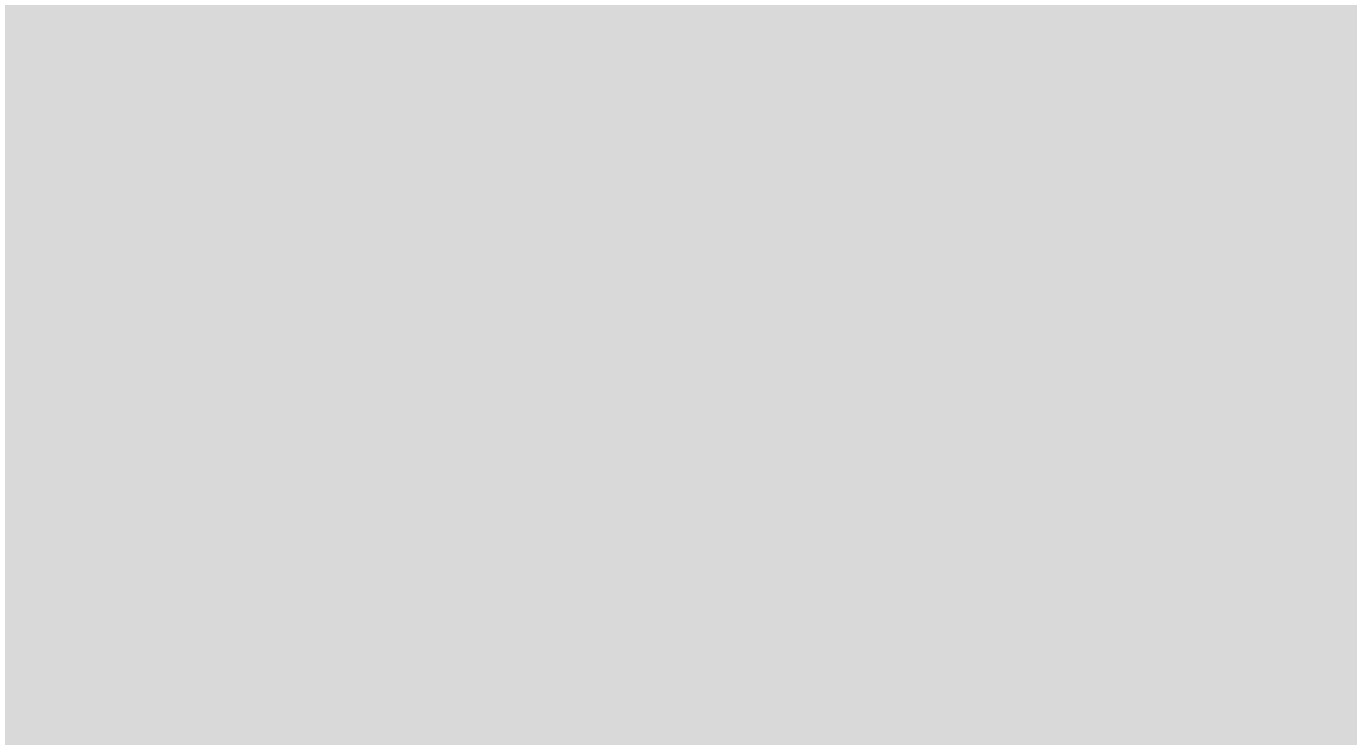
From Beaverlodge to Hiding Creek

-
-
-
-
-

2.1.7.2 Proximity To Nearest Urban Centre

2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LATITUDE (N)	LONGITUDE (W)



2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT	TYPE	DESCRIPTION
Y	24-Hour Emergency Telephone Number	A 24-hour emergency number is posted at all facilities and pipeline crossings. Any operator, landowner or citizen can call to notify Canadian Natural of an emergency situation. On-call Canadian Natural personnel will take appropriate actions to manage the emergency.
Y	SCADA System	Supervisory Control and Data Acquisition (SCADA) – Electronic monitoring equipment on wells throughout the gathering system will transmit signals to a central control panel. SCADA systems trigger alarm and call-out systems and may have ESD capabilities.
Y	Alarm and Call-out Process	System monitoring equipment throughout facilities will trigger an alarm to an answering service that will use a call-out system to notify applicable operators.
N	Aerial Surveillance	Pipelines may be surveyed on a regular basis to detect leaks.
Y	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
Y	Operator Inspections	Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect.
N	24-Hour Manned Stations	Some Canadian Natural facilities are monitored 24 hours a day.
Y	H ₂ S Monitors – Continuous	Continuous H ₂ S monitoring equipment is strategically located at all sour facilities. Monitors are calibrated at regular intervals and are designed to activate a call-out procedure to operational personnel if H ₂ S levels are detected at the facility. If H ₂ S levels reach a predetermined level, the system is designed to activate the Emergency Shutdown (ESD) and shut down the facility.
Y	Gas Monitors – Handheld	Canadian Natural personnel are equipped with personal H ₂ S / LEL monitors for early detection.
Y	Gas Detection Equipment	Continuous Combustible Gas Detectors are located throughout the facility. The detectors alarm at 20% lower explosion limit (LEL). At 40% LEL, the detectors engage a facility shut down.
Y	Fire Detection Equipment	An ultraviolet fire detection system, “Fire Eyes,” may be installed throughout facilities.
Y	Leak Detection System	Continuous monitoring systems are installed on several pipeline systems, including but not limited to water injection, oil emulsion and ESD risers. These systems can be based on different methodologies such as pipeline or differential pressure, pressure rate of change (ROC), flow rate imbalance, ROW monitoring, etc.

2.3 COMMUNICATIONS

The primary means of communications between the Emergency Response Team personnel and the various Operations Centers / Command Posts will be by cellular telephone. Portable radios will be utilized if practical. Applicable radio frequencies are listed below.

2.3.1 COMMUNICATION EQUIPMENT

EQUIPMENT	COMMENT
Cell Phone	Each operator has a cellular phone. Cell coverage in the area is reliable; however some dead spots may occur in lower lying area. In these cases, signals can be re-established by moving to higher ground.
Two-Way Radios	Two-way radios are installed in all operator trucks with base radios in the offices. If more portable radios are required, contact service providers listed in Contract Services – Communications Rental Equipment
Land Line	There are no land lines at the facility

2.3.2 RADIO FREQUENCIES

NAME	RECEIVE NUMBER	TRANSMIT NUMBER

2.4 SPILL RESPONSE

Canadian Natural has implemented company spill response trailers to supplement WCSS equipment caches and / or developed additional water control points for spill mitigation. Company and / or WCSS equipment and spill contingency plans will guide initial emergency response actions while long term spill containment and recovery activities will be performed by established spill response consultants / providers contracted and directed by Canadian Natural. A list of these providers can be found in Contract Services in Section 3.

NOTE: WCSS does not provide human resources for spill response however other neighboring industrial operators or other WCSS members may be of assistance.

For spill response, consult with Environmental Coordinator and applicable WCSS Spill Contingency manual. Also refer to CiNQ:

Corporate > Environmental Conventional-Thermal > Job Instructions > [Spill Response Equipment and Contact List](#)

For full spill response procedures, guidelines and methods see applicable WCSS Spill Contingency manual (recommended) or Procedure 5: Hazardous Product Release / Spill Control (SMS 22.05) on CiNQ or in purple tabbed Hazard Response Procedures section in the Corporate ERP.

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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

POSITION	NAME	CELL	OFFICE
Area Foreman			
Assistant Foreman			
Operations Superintendent			
Area Safety & Compliance Coordinator			
Environmental Field Coordinator			
Surface Landman			
Manager, Corporate Safety & Emergency Mgmt			
Emergency Management Lead			
Manager, Fort St. John Field Operations			
VP, West Field Operations			
Calgary EOC - Bankers Hall East (BHE)			

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

NAME	LOCATION		TELEPHONE	
BRITISH COLUMBIA				
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER See Forms & Guidelines section, Corporate ERP: <u>Guideline 8: CER Event Reporting Guidelines</u> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS		24-Hour	1-819-997-7887
			https://apps.cer-rec.gc.ca/ers	
	For all other events, within 24 hours of discovery: a) report via OERS If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline		https://apps.cer-rec.gc.ca/ers	
Emergency Management BC (EMBC) EMBC will contact BC Oil & Gas Commission (OGC) Use this number to also verbally report an Environmental Emergency (E2) ----- • Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator • Environment Canada notified by EMBC	Province-Wide	For all emergencies 24-Hour Incident Reporting		1-800-663-3456
		* For E2 Emergency Reporting only: Single Window Information Management (SWIM) https://ec.ss.ec.gc.ca		
Peace River Regional District	Dawson Creek BC	Toll-free		1-800-670-7773
Health Emergency Management BC (HEMBC)	Northern BC	24-Hour Emergency On-Call		
		Non-emergency inquiries only (HEMBC Director)		
RCMP	Fort St. John BC	24-Hour		9-1-1



Canadian Natural

EMERGENCY RESPONSE PLAN

Hiding Creek

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24-Hour Emergency 1-888-878-3700

NAME	LOCATION	TELEPHONE	
ALBERTA			
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER See Forms & Guidelines section, Corporate ERP: <u>Guideline 8: CER Event Reporting Guidelines</u> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour	1-819-997-7887
	For all other events, within 24 hours of discovery: a) report via OERS If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline	https://apps.cer-rec.gc.ca/ers	
Energy & Environmental Response Line Alberta Environment / Alberta Energy Regulator (AER) Use this number to also verbally report an Environmental Emergency (E2) ----- <ul style="list-style-type: none">Written notice (Schedule 8) made via SWIM * ASAP by Environmental CoordinatorEnvironment Canada notified by EMBC	Province-Wide	For all emergencies 24-Hour Incident Reporting	1-800-222-6514
		* For E2 Emergency Reporting only: Single Window Information Management (SWIM) https://ec.ss.ec.gc.ca	
County of Grande Prairie No. 1	Clairmont	24-Hour	780-814-0280
Municipal District of Greenview No. 16	Valleyview	24-Hour	1-866-524-7608
Alberta Health Services	Province-Wide	24-Hour	
		Email	
RCMP: Grande Prairie Detachment	Province Wide		9-1-1

3.3 ROAD CLOSURE CONTACTS

Dispatch Roadblocks immediately and notify the following (no Closure Orders required for emergencies):

	ROAD TYPE	AGENCY	TELEPHONE	
BC	Provincial Highway / Roads (highways with 1, 2, 3 digits or local names)	1. RCMP / Local Police – advise of situation / request presence	24-Hour	9-1-1
		2. Traffic Management Centre BC – advise of situation / pending roadblocks	24-Hour	1 866 707-7862
		3. Highway Maintenance Contractor – advise of situation / roadblock locations	Argo Road Maint	1-800-663-7623
			Dawson Road Maint	1-800-842-4122
	Petroleum Development Roads (PDRS)	1. RCMP / local police – advise of situation / roadblock locations; request presence	24-Hour	9-1-1
	Forestry Roads	2. Notify of closures as needed: - for PDRs, notify OGC directly - for forestry roads, notify Ministry of Forests, LNRORD Resource District office SEE PROVINCIAL GOVERNMENT CONTACTS TABLE BELOW		



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	ROAD TYPE	AGENCY	TELEPHONE	
AB	- for major highways (1, 2 or 3 digit highways)	RCMP – advise of situation / roadblock locations; request presence	24-Hour Emergency	9-1-1
	- for other licensee PDRs and / or forestry roads	AER / Alberta Environment & Parks	24-Hour	1-800-222-6514

3.4 WATER INTAKE CLOSURE CONTACTS

** NOT APPLICABLE **

3.5 PROVINCIAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE	
BRITISH COLUMBIA			
Emergency Management BC (EMBC) <i>EMBC will contact BC Oil and Gas Commission (OGC)</i> <i>For E2 emergencies, call and written report* required</i>		For all emergencies 24-Hour Incident Reporting	1-800-663-3456
		* For E2 Emergency Reporting only: <i>Single Window Information Management (SWIM)</i> https://ec.ss.ec.gc.ca	
Forests, Lands, Natural Resource Operations & Rural Development (LNRORD), Ministry of <i>Natural Resource Districts</i>	Fort Nelson NRD	Fort Nelson Office	250 774-5511
	Peace NRD	Dawson Creek Office	250-784-1200
Health Emergency Management BC (HEMBC) Non-emergency inquiries only (<i>HEMBC Director</i>) [REDACTED]	Northern BC	24-Hour Emergency On Call	[REDACTED]
Highway Maintenance Service Area 21 – South Peace <i>Argo Road Maintenance (South Peace) Inc.</i>	Dawson Creek / Pouce Coupe BC	Emergency	1-800-663-7623
		Road & Weather Conditions: www.drivebc.ca	
Highway Maintenance Service Area 22 – North Peace <i>Dawson Road Maintenance Ltd.</i>	Fort St. John BC	Emergency	1-800-842-4122
		Road & Weather Conditions: www.drivebc.ca	
Report a Wildfire	Province-Wide	24-Hour	1-800-663-5555
		Cell (Telus)	*5555
Report All Poachers and Polluters (RAPP)	Province-Wide	24-Hour	1-877-952-7277
		Cell (Telus)	*7277
WorkSafeBC <i>(Area Safety & Compliance Coordinator only)</i>	Province-Wide	Worksite Emergency 24-Hour	1-888-621-7233

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NAME	LOCATION	TELEPHONE	
ALBERTA			
Alberta EDGE – Center for TDG <i>(Environmental and Dangerous Goods Emergencies)</i>	Province-Wide	24-Hour	1-800-272-9600
Alberta Emergency Management Agency (AEMA) <i>Provincial Operations Centre (POC)</i>	Province-Wide	24-Hour	1-866-618-2362
Alberta Energy Regulator (AER) <i>* notify when blocking petroleum development and / or forestry roads</i>	Energy & Environmental Emergency or Complaint	24- Hour	1-800-222-6514
Alberta Environment and Parks <i>* notify when blocking roads through or adjacent to Crown Land</i>			
Alberta Environment & Parks <i>Parks Fish and Wildlife Land Water</i>	Report a Poacher	24-Hour	1-800-642-3800
		Telus Mobile	#3800
	Report a Wildfire	24-Hour	310-3473 (FIRE)
Alberta Health Services	Province-Wide	24-Hour	
		Email	
Alberta Transportation <i>Provincial Highway Road Closures Support</i> 1. call 9-1-1 / RCMP 2. call nearest Region / District Office <i>Highway maintenance contractors are responsible for maintenance activities including highway patrolling and emergency duties</i> Road& Weather Conditions: 511.alberta.ca	Grande Prairie District Office	Grande Prairie	780-538-5310
	Peace Region Office	Peace River	780-624-6280
Occupational Health & Safety <i>(Area Safety & Compliance Coordinator only)</i>	Province-Wide	24-Hour	1-866-415-8690
Workers’ Compensation Board	Province-Wide	24-Hour	1-866-922-9221

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3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE NUMBER	
BRITISH COLUMBIA			
RCMP	Fort St. John BC	24-Hour	9-1-1
		Office	250-787-8100
Hospital	Fort St. John BC	24-Hour	250-262-5200
British Columbia Ambulance Service	Province-Wide	Emergency	9-1-1
		Toll Free	1-800-461-9911
		Cell/ SAT Phone/ Outside BC	250-374-5937
Fire Department	Fort St. John BC	24-Hour	9-1-1
		Office	250-785-0800
ALBERTA		ALL EMERGENCY SERVICES CALL 9-1-1	
RCMP	Grande Prairie AB	24-Hour	9-1-1
		Office	780-830-5700
Hospital	Grande Prairie AB	24-Hour	780-538-7100
STARS Air Ambulance	Province-Wide	24-Hour	1-888-888-4567
		From cell	*4567
Ambulance	Grande Prairie AB	24-Hour	911
Fire Department	Grande Prairie AB	24-Hour	911

3.7 TDG / LPG EMERGENCY NUMBERS

NAME	CONTACT	TELEPHONE NUMBER	
FOR TDG EMERGENCIES <i>Operations to contact ERAC only if carrier driver is unable to contact supervisor</i> 1) Carrier is responsible for contacting ERAC 2) ERAC will contact company on call contacts (Safety Leads) for ERAP activation 3) ERAC will notify and report to Transport Canada			
For Emergencies involving CNRL Propane & Butane Emergency Response Assistance Canada (ERAC) Canadian Natural ERAP Number: <div></div>		24-Hour	1-800-265-0212
For TDG emergencies other than CNRL Product - contact ERAC For Information Only: CANUTEC		24-Hour	1-800-265-0212
		Toll free	1 888 226-8832
		Call Collect	613 996-6666
		Cell	*666

EMERGENCY RESPONSE PLAN

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24-Hour Emergency 1-888-878-3700

3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER	
Peace River Regional District	Dawson Creek BC	24-Hour	1-800-670-7773
		Office	250-784-3200
County of Grande Prairie	Clairmont BC	24-Hour	780-814-0280
		Office	780-532-9727
Municipal District of Greenview	Valleyview AB	24-Hour	1-866-524-7608
		Office	780-524-7600

3.9 FEDERAL GOVERNMENT CONTACTS

NAME	LOCATION	CONTACT INFORMATION	
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corp ERP:</i> <i><u>Guideline 8: CER Event Reporting Guidelines</u></i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For “Immediately Reportable Events” within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour	1-819-997-7887
	For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>	https://apps.cer-rec.gc.ca/ers	
	https://apps.cer-rec.gc.ca/ers		
Environment Canada	* will be notified by respective provincial govt agency – see Section 3.2		
Fisheries & Ocean Canada <i>Report damage to fish habitat – contact Fish and Fish Habitat Protection Program by province</i>	Alberta, Manitoba, Saskatchewan, Northwest Territories		1 855 852-8320
	British Columbia		1 866 845-6776
Health Canada Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch <i>For emergencies impacting First Nations and Indigenous communities (see Section 4)</i>	BC – FNIH First Nations Health Authority	Main	1-866-913-0033
	BC – EMBC (fanout)	24-Hour	1-800-663-3456
	AB - Environmental Health Officer (EHO)	24-Hour	
Indigenous Services Canada (ISC) Aboriginal Affairs & Northern Development Canada	Toronto Office	Toll Free	1-800-567-9604
NAV Canada – Flight Info Centre (FIC) To issue a NOTAM, have ready (if possible): - GPS coordinates, height, time frame	Nation wide	Toll Free Call Centre	1-866-992-7433

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3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING (MOBILE)			
Alberta Energy Regulator <i>(contact if no contract services are available)</i>	Province-Wide	24-Hour	1-800-222-6514
Emergency Management BC/ British Columbia Oil and Gas Commission <i>(contact if no contract services are available)</i>	Province-Wide, BC	24-Hour	1-800-663-3456
Brogan Safety - SO ₂ monitors, etc	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Grande Prairie	780-539-9004
		Whitecourt	780-396-1005
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Trojan Safety Services	BC, AB, SK	24-Hour	250-785-9557
3.10.2 AIRCRAFT (FIXED WING) CHARTERS		CONTACT CORPORATE TRAVEL	
3.10.3 COMMUNICATIONS RENTAL EQUIPMENT			
Petron Communications	Fort St. John	Main	250-785-3333
T & T Communications	Fort St. John	Main	250-785-0310
3.10.4 DRONE / UAV OPERATORS			
First Alert Locating Ltd	Grande Prairie / Whitecourt	1-866-538-9936 firstalertlocating.com	
Hummingbird Drones	Fort St. John (satellite office)	250- 877 7082 info@hummingbirddrones.ca	
Infinity Drones	Fort St. John	250- 787-5110 aaron@infinitydronesinc.com	
Nortech Advanced NDT	Fort St. John, Grande Prairie	780-380-9888 nortech@nortechadvanced.com	
Phoenix Heli-Flight	Fort St. John, BC	780-799-0141 phoenixheliflight.com/services/drones/	
Roy Northern Land & Environmental	Fairview, Fort St. John	Various depending on location info@roynorthern.com	
3.10.5 FRESH WATER SUPPLIERS			
High Gear Water Hauling & Rentals	Grande Prairie	Dispatch	780-518-0250
Northern Vac Services	Fort St. John	Dispatch	780-785-5435
3.10.6 HELICOPTERS			
Bailey Helicopters	Fort St. John	Toll Free	1-877-822-2245

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COMPANY	LOCATION	TELEPHONE NUMBER	
Canadian Helicopters	Fort St. John, Grande Prairie	24 Hr Emergency (Western Canada)	780-429-6900
Synergy Aviation	Grande Prairie	Main	780-750-4994
Yellowhead Helicopters	Fort St. John	24 Hr	250-785-9284
3.10.7 SAFETY SERVICES			
Brogan Safety - SO ₂ monitors, etc	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Grande Prairie	780-539-9004
		Whitecourt	780-396-1005
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Services	BC, AB	24-Hour	1-800-882-4967
Trojan Safety Services	BC, AB, SK	24-Hour	250-785-9557
United Safety Ltd.	BC, AB	24-Hour	1-800-432-1809
3.10.8 SPILL RESPONSE EQUIPMENT			
Clean Harbors	North America	24-Hour	1-800-645-8265
EnviroHazmat Emergency Response	BC, AB	24-Hour	1-866-249-7583
GFL Environmental	North America	24-Hour	1-866-417-2797
QM Environmental	BC, AB, SK	24-Hour	1-800-251-7773
Rapid Response Industrial Group	Canada-wide	24-Hour	1-844-774-4911
Roy Northern Land and Environment	BC, AB	Fairview	780 835-2682
		FSJ	250 261-6644
		Terrace	250 635-6973
SWAT Consulting	Canada-wide	24-Hour	1-866-610-7928
Western Canadian Spill Services (WCSS)	See WCSS section		
3.10.9 WELL BLOWOUT CONTROL			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Inc.	BC, AB	24-Hour	1-800-882-4967
3.10.10 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP 5 / COOP 9 24-HOUR EMERGENCY CONTACT 1-866-541-8888			
Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers			
COOP 5			
ARLEN HOGG, CNRL Co-op Chairman	Grande Prairie AB	Cell	780-832-4190
		Office	587-298-7353

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COMPANY	LOCATION	TELEPHONE NUMBER	
CLEAN HARBORS Regional Custodian	9601 - 156 Avenue Grande Prairie, AB	Office	780-532-4331
ARC RESOURCES LTD. Co-op Custodian	Grande Prairie Equipment Location: Archie Warehouse 07-04-64-05 W6	24 Hour	587-343-5824
		Alternates: Sandra Miller	780-296-5822
COOP 9			
CARL REIMER Co-op Chairman	Fort St. John BC	Cell	250-262-8752
		Office	250-262-3456
SHAWN DORÉ, CLEAN HARBORS Regional Custodian	Clean Harbors Surface Rentals 6715 - 85th Avenue	Cell	250-775-0364
		Office	250-785-4577
TROYER VENTURES LTD Co-op Custodian	4850 - 46 Avenue Fort Nelson, BC V0C 1R0	24-Hour	250-774-5332

NOTE: For spill response, consult with Environmental Coordinator. Also refer to CiNQ:

Corporate > Environmental Conventional-Thermal > Job Instructions > [Spill Response Equipment and Contact List](#)

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4 PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES

4.1.1 TELEPHONE CALLERS

If an emergency occurs that involves only a few residents within the EPZ, the Public Safety Supervisor will designate Telephone Callers to relay messages of notification, shelter-in-place or evacuation. Refer to the Public Safety Supervisor and Telephone Caller roles in the Corporate ERP for procedures and scripts. (Forms 15, 16, 17, and 18)

Once all calls are made, the Public Safety Supervisor will review the contacted public within the EPZ and dispatch Rovers for those who requested assistance or were not reached by the telephone callers.

4.1.2 AUTOMATED PUBLIC NOTIFICATION SYSTEM (NOT APPLICABLE)

****NOT APPLICABLE FOR THIS AREA****

4.2 RECEPTION CENTRE(S)

Reception Centres have been pre-arranged as noted below. The Reception Centre chosen to send residents to will be dependent on the site of the emergency and which route is the safest for evacuating residents out of the Emergency Planning Zone.

RECEPTION CENTRE	LOCATION	TELEPHONE NUMBER	
Tumbler Ridge Inn	275 Southgate Tumbler Ridge, BC, V0C 2W0	24-Hour	250-242-4277
Paradise Inn & Conference Centre	11201 – 100 Avenue Grande Prairie AB T8V 5M6	24-Hour	780-539-6000

4.3 RESIDENT / ORGANIZATION INFORMATION

Confidential information, if applicable, is only included in the main responders' Emergency Response Plans at the end of this Section.

4.4 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

4.4.1 LOCATING TRANSIENTS AND RECREATIONAL USERS

In an emergency situation, aerial surveillance should be considered for sweeping the area to look for individuals such as non-resident landowners, snowmobilers, hunters, backpackers, skiers or any other recreational transient activity. Helicopters and fixed wing contractors are listed in Contract Services Section under the Site Specific Emergency Contacts Tab in the manual.

NOTE: Helicopters only fly during daylight hours; an emergency situation that happens at night will require the services of the fixed wing company.

4.4.2 ISOLATION OF EPZ PROCEDURES

- The On-Scene Supervisor will initially designate the necessary personnel to secure all entrances into the incident site and only allow access to authorized personnel. All personnel who are allowed entry will be briefed on the existing conditions and must be equipped with the appropriate Personal Protective Equipment (PPE).
- Cleared pipeline rights-of-way will be temporarily isolated to restrict access using isolation measures as determined at the time of the incident. Consider the use of aerial surveillance, traffic control / roadblock personnel or area rovers.

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- Designated personnel will follow the Roadblock Personnel role checklist in the Emergency Response Guide or this manual to provide initial EPZ isolation. Ideally, authorization from the local authority and / or the RCMP should be obtained before establishing roadblocks on public roads.
- The Incident Commander will ensure notification and consultation with appropriate regulatory authorities and the RCMP or local police
- For longer term road closures, SMS 6.88 Traffic Control procedure should be used to ensure safe and proper control measures.
- For temporary isolation of the EPZ in emergency situations in BC, contact the following depending on the feature impacted:**

FEATURE TO BE CLOSED	TYPE OF CLOSURE REQUIRED	AGENCY TO CONTACT	CONTACT INFO SECTION
Public roads up to mile 82 on Alaska Hwy	Notification only	BC Ministry of Transportation	See Section 3.3 Road Closure Contacts
Public roads from mile 82 north on Alaska Hwy	Notification only	- BC Ministry of Transportation - Highway Maintenance Contractor	See Section 3.3 Road Closure Contacts
Petroleum Development Roads	Dispatch roadblocks & notification only	BCOGC	See Section 3.3 Road Closure Contacts
Forestry Roads	Dispatch roadblocks & notification only	Ministry of Forestry, Lands, Natural Resource Operations and Rural Development	Section 3.5 Provincial Government
Restricted Area	Fire Hazard (FH) Order	BCOGC	Section 3.2 Mandatory Notifications
Restricted Area	Local State of Emergency	Peace River Regional District	Section 3.2 Mandatory Notifications
Navigable Water Courses	Closure	Peace River Regional District, RCMP / local police, local Search and Rescue	Section 3.6 Emergency Services
Pipeline Right-of-Ways	Closure	Industry	Section 4.6 Industrial Operators
Airspace (establish No-Fly Zone)	NOTAM (Notice to Airmen)	NAV Canada	Section 3.9 Federal Government
		Provincial Authority at Level 2 or 3	Section 3.2 Mandatory Notifications

4.5 SCHOOLS DIVISION(S) / SCHOOL(S)

In the event of an emergency, the school division(s) listed below must be contacted. General school division policy defines that in an emergency situation, each division is responsible for children attending their schools until their parents / guardians are located. Private schools must be contacted directly. School children living within the EPZ attend the following schools:

SCHOOL DIVISION	TELEPHONE NUMBER	SCHOOL NAME
N/A		

4.6 INDUSTRIAL OPERATOR(S)

If an industrial operator is the first person to identify a problem or emergency involving Canadian Natural Facilities, their response will be to notify Canadian Natural immediately. If Canadian Natural personnel are the first people to identify a problem or an emergency, they will immediately notify all industrial operators within the determined EPZ. Whether or not assistance will be given by neighbouring industrial operators will depend on the resources of the company at the time. The following companies operate in the Emergency Planning Zone.

INDUSTRIAL OPERATOR NAME	OPERATIONS DESCRIPTION	TELEPHONE NUMBER	
Cenovus Energy	Wells and pipelines in the area	24-Hour	1-877-458-8080
Tourmaline Oil Corp.	Wells and pipelines in the area	24-Hour	1-877-504-4252

4.7 TRAPPERS / GUIDE OUTFITTERS

The following information has been updated from the most current provincial government database. Where applicable, "N/A" indicates the information was 'not available' in this database (confidentiality laws) nor was available via data searches or public consultations. Rovers will be dispatched to search the area for transient activity when required.

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER

4.8 GRAZING LEASE(S) / RESERVE(S) AND OTHER LAND USE DISPOSITIONS

The following information has been updated from the most current provincial government database. Where applicable, "N/A" indicates the information was 'not available' in this database (confidentiality laws) nor was available via data searches or public consultations. Rovers will be dispatched to search the area for transient activity when required.

Land Use Disposition Types

FDL	Farm Development Lease	GRP	Grazing Permit	GRL	Grazing Lease
FGL	Forestry Grazing License	GRR	Provincial Grazing Reserve		

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.9 FOREST MANAGEMENT AREA(S)

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.10 FIRST NATIONS / INDIGENOUS NATIONS

FIRST NATIONS COMMUNITY / SETTLEMENT			
NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION
<i>There are no known First Nations dwellings / communities located within or immediately adjacent to the EPZ.</i>			

LOCAL INDIGENOUS NATION / BAND			
NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION

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5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

FACILITY NAME	Hiding Creek
FACILITY TYPE	
FACILITY CODE	
LEGAL DESCRIPTION	
FACILITY DESCRIPTION	

5.1.2 EMERGENCY CONTROL SYSTEMS

TYPE	NTS LOCATION	LAT (Decimal Degrees)	LONG (Decimal Degrees)	EASTING (UTM NAD 83)	NORTHING (UTM NAD 83)	UTM ZONE	NOTES
ESD							
ESD							
ESD							
ESD							

5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

LOCATION	FACILITY TYPE	FACILITY LICENSE	FACILITY CODE	SUB	STAT	H ₂ S REL VOL (m ³)	EPZ (m)	E2* EPZ (m)
							980 m	
							980 m	
							980 m	
							980 m	

* "E2" = chemical storage container as defined by CEPA regulations



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5.2.2 PIPELINE LIST LEGEND

LEGEND		SUBSTANCE / SUB		STATUS / STAT		FROM FACILITY (FAC) / TO FACILITY (FAC)	
LICENSE	License Number	OE	Oil Effluent	O	Operational	PL	Pipeline
LINE	Line Number	FG	Fuel Gas	P	To Be Constructed	WE	Well
OD	Outer Diameter (mm)	NG	Natural Gas	D	Discontinued	GP	Gas Processing Plant
WT	Wall Thickness (mm)	SW	Salt Water	S	Suspended	IP	Injection / Disposal Facility
MOP	Max Operating Pressure (kPa)	LV	Low Vapour Pressure Products			RI	River
LENGTH	Length of Segment (km)	CO	Crude Oil			LA	Lake
H ₂ S	Licensed Hydrogen Sulphide (mol / kmol)	FW	Fresh Water			S	Satellite
REL VOL	Total H ₂ S Volume Between ESDs (m ³)	SG	Sour Gas			CK	Creek
IIZ	Initial Isolation Zone (km) – <i>applicable only for Alberta</i>	H₂S CONVERSION: 1% = 10 mol / kmol = 10,000 ppm				BE	Blind End
SET EPZ	Emergency Planning Zone (m)					B	Battery
ESD	Emergency Shut Down Valve					CS	Compressor Station
CV	Check Valve					MS	Meter Station

NOTE: Abandoned assets are not included

5.2.3 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES

NOTES: • Pipelines are sorted by From Location

Provincial LICENSE --- CER Order Number	Line	Licensee	Sub	Stat	From Location	From (Fac)	To Location	To (Fac)	OD (mm)	WT (mm)	MOP (kPa)	H ₂ S (mol / kmol)	Length (km)	H ₂ S Rel Vol (m ³)	IIZ (m)	Set EPZ (m)
															0	0
															0	980
															0	980
															0	980

*** CER REGULATED PIPELINE:**

For any emergency involving CER regulated pipelines, contact Transportation Safety Board (TSB) first – they will contact the CER. Contact the applicable provincial authorities with a courtesy call. Refer to TSB / CER contact information / reporting requirements in Section 3.9 Federal Government Contacts.

5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No well information required

SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

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6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP

An area map showing the gathering system and facilities, surface development (roads, petroleum facilities, petroleum operators and industrial camps, trappers and guide outfitter cabins, as well as known public facilities / areas where the public may gather on a regular basis) within the Emergency Planning Zone (EPZ) and the surrounding area is included within this section.

Calculated EPZs for production assets are identified on the map as “yellow” shaded areas.

6.2 PUBLIC INFORMATION PACKAGE

A Public Information Package will only be included if assets located in British Columbia have been incorporated into this Site Specific ERP. The following stakeholders who are impacted by an Emergency Planning Zone have been offered an information package as part of the consultation process:

- Local Indigenous Nation(s)
- Residents / Businesses
- Public Facilities
- Local Airport Operators
- Registered Trappers / Guide Outfitters
- Grazing Lease Holders
- Grazing Reserves
- Forestry Management Areas
- Rights Holders

Map(s) Redacted – CER Order AO-001-MO-006-2016, s. 1.a.ii.
- Facility / Pipeline technical information, disclosure of which would risk security