



Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

RING BORDER / LADYFERN FIELD
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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March 31, 2026

Canadian Natural Resources Limited
24 Hour Emergency Number

1-888-878-3700



EMERGENCY RESPONSE PLAN

RING BORDER / LADYFERN FIELD

Revision 11-0 | March 31, 2026

24-Hour Emergency 1-888-878-3700

AMENDMENT RECORD

Date (YYYY/MM/DD) ERP Planner	Rev	Revision Details	Annual Update (Y / N)	Date inserted in ERP (YYYY/MM/DD)	Inserted / Replaced by (Name & Signature)
2026/03/31 [Redacted]	11-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		
2025/03/31 [Redacted]	10-0	<ul style="list-style-type: none"> Reviewed gathering system and EPZs – added in Drake field Map updated to reflect all changes (no residents in EPZs) Reviewed and updated gathering system, public and contact information where applicable 	Y		
2024/03/31 [Redacted]	9-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, contact information where applicable 	Y		
2023/03/31 [Redacted]	8-0	<ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated 	Y		
2022/03/31 [Redacted]	7-0	<ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated 	Y		
2021/03/31 [Redacted]	6-0	<ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated 	Y		
2020/03/31 [Redacted]	5-0	<ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated accordingly 	Y		

MANAGEMENT OF CHANGE PROTOCOL

Annual updates are indicated by a full, consecutive 'revision' number before the dash (e.g. 7-0) while other revisions (non-annual update) will trigger a consecutive number change after the dash (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: [Redacted]

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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EMERGENCY RESPONSE PLAN

RING BORDER / LADYFERN FIELD

The Ring Border / Ladyfern Emergency Response Plan is Supplemental to Canadian Natural’s Corporate (Core) ERP and covers the following:

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ERP ID
RING BORDER			
RING BORDER			
LADYFERN			
LADYFERN			
RING BORDER			
RING BORDER			
RING BORDER			

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ALL HAZARDS IDENTIFICATION TABLE

Completed By: Area Field Operations & Emergency Management Tech

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>(Low / Med / High)</i>	MITIGATION MEASURES AVAILABLE	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		Fundamental Reference Materials as utilized in these management systems: • Safety • Emergency Management • Integrity • Security • Environmental Protection • Damage Prevention	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			Additional mitigations listed below, specific to potential hazard	
							CONTROLS / EQUIPMENT / RESOURCES
<input checked="" type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release	NO	YES	YES	YES	LOW	<input checked="" type="checkbox"/> Personal Gas Monitor <input type="checkbox"/> Portable Gas Detector <input checked="" type="checkbox"/> SCBA <input type="checkbox"/> SABA <input checked="" type="checkbox"/> ESD Procedures <input checked="" type="checkbox"/> Emergency Planning Zone(s) <input checked="" type="checkbox"/> Ignition Resources – Equipment <input checked="" type="checkbox"/> Ignition Resources – Service Provider <input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> SCADA ESD <input type="checkbox"/> Other:	
<input type="checkbox"/> High Vapour Pressure (HVP) Pipeline Release <i>(pipelines that convey hydrocarbon mixtures in the liquid or quasi-liquid state with a vapour pressure of greater than 110 kPa absolute at 38°C)</i>	n/a	n/a	n/a	n/a	n/a	<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 – <i>shovels, axes, picks, water packs</i> <input type="checkbox"/> Other:	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			ACTIVE MITIGATIONS	
<p>Large Chemical Storage Hazards (CEPA – E2)</p> <p><input checked="" type="checkbox"/> <i>(large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)</i></p>	NO	YES	YES	YES	NO	<p><input checked="" type="checkbox"/> Firefighting Equipment – <i>shovels, axes, picks, water packs</i></p> <p><input checked="" type="checkbox"/> Fire Extinguishers</p> <p><input checked="" type="checkbox"/> Industrial Firefighters</p> <p><input checked="" type="checkbox"/> Roadblock Kit(s)</p> <p><input checked="" type="checkbox"/> Communication Plans – Public / Media</p> <p><input checked="" type="checkbox"/> Ignition Resources – Equipment</p> <p><input checked="" type="checkbox"/> Ignition Resources – Service Provider</p> <p><input checked="" type="checkbox"/> Evacuation Zone</p> <p><input checked="" type="checkbox"/> Evacuation Procedures</p> <p><input checked="" type="checkbox"/> ESD (Automatic Valves) Procedures</p> <p><input type="checkbox"/> SCADA ESD</p> <p style="text-align: center;">PASSIVE MITIGATIONS</p> <p><input type="checkbox"/> Secondary Containment – <i>e.g. earth berms, dikes</i></p> <p><input type="checkbox"/> Separator / Surface Water Collection System</p> <p><input checked="" type="checkbox"/> Vessel Protection Systems – <i>e.g. PSVs, high level alarm</i></p> <p><input type="checkbox"/> SCADA ESD</p> <p><input checked="" type="checkbox"/> CiNQ – Environment Conventional – Thermal Intranet Site: <i>spill reporting procedures / docs</i></p> <p><input checked="" type="checkbox"/> TDG / LPG Emergency Responsibilities (<i>Guideline 10, Corporate ERP</i>)</p> <p><input checked="" type="checkbox"/> WCSS / Other Spill Cooperative Manual</p> <p><input checked="" type="checkbox"/> WCSS / Other Water Control Point Location(s)</p> <p><input type="checkbox"/> Boom(s)</p> <p><input checked="" type="checkbox"/> Absorbent Material</p> <p><input checked="" type="checkbox"/> Roadblock Kit(s)</p> <p><input checked="" type="checkbox"/> Proper PPE</p> <p><input checked="" type="checkbox"/> Communication Plans – Public / Media</p> <p><input type="checkbox"/> Other:</p>	
<p>Petroleum Release / Spill</p> <p><input checked="" type="checkbox"/> <i>(on land or in water, includes all types of petroleum spills, gas releases, flammable vapours releases)</i></p>	NO	YES	YES	YES	LOW	<p><input type="checkbox"/> SCADA ESD</p> <p><input checked="" type="checkbox"/> CiNQ – Environment Conventional – Thermal Intranet Site: <i>spill reporting procedures / docs</i></p> <p><input checked="" type="checkbox"/> TDG / LPG Emergency Responsibilities (<i>Guideline 10, Corporate ERP</i>)</p> <p><input checked="" type="checkbox"/> WCSS / Other Spill Cooperative Manual</p> <p><input checked="" type="checkbox"/> WCSS / Other Water Control Point Location(s)</p> <p><input type="checkbox"/> Boom(s)</p> <p><input checked="" type="checkbox"/> Absorbent Material</p> <p><input checked="" type="checkbox"/> Roadblock Kit(s)</p> <p><input checked="" type="checkbox"/> Proper PPE</p> <p><input checked="" type="checkbox"/> Communication Plans – Public / Media</p> <p><input type="checkbox"/> Other:</p>	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		<i>Fundamental Reference Materials as utilized in these management systems:</i> • Safety • Emergency Management • Integrity • Security • Environmental Protection • Damage Prevention	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			Additional mitigations listed below, specific to potential hazard	
						CONTROLS / EQUIPMENT / RESOURCES	
<input checked="" type="checkbox"/> Asset Fire	NO	YES	YES	YES	LOW	<input checked="" type="checkbox"/> Firefighting Equipment – <i>shovels, axes, picks, water packs</i> <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 <small>(municipal / provincial jurisdiction)</small>	n/a <small>(municipal / provincial jurisdiction)</small>	n/a <small>(municipal / provincial jurisdiction)</small>	YES	HIGH <small>(SMS Procedure 22.06)</small>	<input checked="" type="checkbox"/> ESD Procedures <input checked="" type="checkbox"/> Firefighting Equipment – <i>shovels, axes, picks, water packs</i> <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	n/a <small>(hazards contained within lease boundaries)</small>	n/a <small>(hazards contained within lease boundaries)</small>	n/a <small>(hazards contained within lease boundaries)</small>	YES	LOW	<input checked="" type="checkbox"/> Spill Reporting Procedures <input checked="" type="checkbox"/> SDS Inventory – <i>accessible via online database</i> <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: <i>Chemical Management and WHMIS 2015</i>	
<input checked="" type="checkbox"/> Company Facility Isolation <i>(if access roads closed)</i>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	LOW	<input checked="" type="checkbox"/> Shelter / Evacuation Procedures <input type="checkbox"/> Other Transportation Available – e.g. <i>snowmobile, ATV, helicopter, boat, etc.</i> <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		Additional mitigations listed below, specific to potential hazard	
		LAND USE	WILDLIFE / LIVESTOCK			CONTROLS / EQUIPMENT / RESOURCES	
<input checked="" type="checkbox"/> Communications Failure	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	LOW	<input type="checkbox"/> Landlines	<input checked="" type="checkbox"/> Cell phones
<input checked="" type="checkbox"/> Power Outages	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	LOW	<input type="checkbox"/> 2-Way Radios	<input checked="" type="checkbox"/> 2-Way Radios – Service Provider
<input checked="" type="checkbox"/> Severe Weather / Natural Disasters <i>(includes severe storms, blizzards, tornadoes, earthquakes, floods, landslides)</i>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	LOW	<input checked="" type="checkbox"/> Internal Communications / Notification System	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Pandemic <i>(reduced workforce)</i>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	LOW	<input type="checkbox"/> Back-up generator(s)	<input checked="" type="checkbox"/> Communication systems
<input checked="" type="checkbox"/> Security Threats <i>(theft / vandalism / violence / terrorism)</i>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	LOW	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Communication Advisory
<input type="checkbox"/> Other						<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"/> Back-Up Resources for Continued Operations
						<input checked="" type="checkbox"/> Internal Communication / Notification System	<input checked="" type="checkbox"/> Internal Communication / Notification System
						<input checked="" type="checkbox"/> Canadian Natural Pandemic Protocols – <i>Human Resources</i>	<input checked="" type="checkbox"/> Roadblock Kits
						<input checked="" type="checkbox"/> Information Systems: <i>Disaster Recovery Principles</i>	<input checked="" type="checkbox"/> Communication Plans – Public / Media
							<input checked="" type="checkbox"/> Evacuation Procedures
							<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		Assistant Foreman	Fort St. John Office	✓
4		Operations Superintendent	Fort St. John Office	✓
5		Manager, Fort St. John Field Operations	Calgary Office	
Electronic (CiNQ)		Safety & Compliance Coordinator	Fort St. John Office	✓
6		Area Landman (BC)	Fort St. John Office	✓
7		Area Landman (AB)	Grand Prairie Office	✓
8		Facility		
9		Facility		
10		Facility		
11	Area Designated Incident Command Post - BC	Designated Incident Command Post	Fort St. John Office	
12	Area Designated Incident Command Post - AB	Designated Incident Command Post	Grand Prairie Office	
13	Calgary Emergency Operations Centre (EOC)			✓
*(x4)	ERP Map(s) for Roadblock Kit(s)			

* As per the Personal Information Protection and Electronic Documents Act (PIPEDA), confidential information must be kept in a securely locked location



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1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
14	Emergency Response and Safety Inspector	British Columbia Energy Regulator	COURIER: 6534-100 th Avenue Fort St. John BC V1J 8C5
eSubmission	British Columbia Energy Regulator		
SWIM	E2 Plan registration only (full copy not required)	Environment and Climate Change Canada	
15	CER – Hard Copy	Canada Energy Regulator	517 – 10 th Avenue SW Calgary, AB T2R 0A8
Flashdrive	CER – Electronic Copy		
Email	Deputy Director of Emergency Management		
Email	Community Services Coordinator		
Email	Manager of Community Services		
Email	North Zone Manager, Environmental Public Health	AHS – North Zone	

eSubmission	An electronic copy submitted via BCER's online submission portal
Flashdrive	Electronic copy on flashdrive
Email	An electronic copy provided by email
SWIM	Schedule submission via Single Window Information Management system under Environment and Climate Change Canada (ECCC)

CONFIDENTIALITY DISCLAIMER

In addition to the above, site-specific ERPs are forwarded electronically if specifically requested in writing by an external party and will exclude confidential information. An electronic version of the Corporate ERP, also excluding confidential information, can be found on the corporate website:

<https://www.cnrl.com/sustainability/workplace-process-safety/emergency-management>

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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



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2 GENERAL INFORMATION

2.1 INTRODUCTION AND SUMMARY

2.1.1 FACILITY GENERAL INFORMATION

FACILITY LOCATION		
PHONE NUMBERS	NUMBER	DESCRIPTION

DISTRICT OFFICE LOCATION	Fort St. John	
TELEPHONE NUMBERS		Business
		On-Call Phone

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

OFFICE LOCATION	Fort St. John District Office	
STREET ADDRESS	6744 100 Avenue Fort St. John BC V1J 4H9	
MAILING ADDRESS	Bag 6450 6744 100 Avenue Fort St. John BC V1J 4H9	
TELEPHONE NUMBERS		Business
		Fax
		On-Call Phone



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2.1.3 SAFE LOCATIONS

On-Site Muster Area	Upwind side of incident
Off-Site Staging Area	To be determined at time of incident

2.1.4 GENERAL LAND USE AND POPULATION DENSITY

County / Municipal District	
Area Land Use	Farming, Oil & Gas Operations, Grazing, Hunting, Trapping, Forestry

POPULATION DENSITY (WITHIN EPZ)		
NUMBER	TYPE	DESCRIPTION
0	Residences	N/A
0	Businesses / Organizations	N/A
0	Public Facilities / Recreational Areas	N/A
10	Trappers / Guide Outfitters	See Section 4
0	Grazing Leases / Reserves	N/A
0	Forest Management Areas	N/A
0	First Nations	N/A
Several	Lakes / Rivers	
0	Public Highways	N/A
0	Other	N/A



EMERGENCY RESPONSE PLAN

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2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit		
Eye Wash Station – 1 litre bottle		
Eye Wash Station – 15 min flow		
First Aid Kit		
First Aid Room		
First Aid Station		
Fire Blanket		
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)		
Handheld Fire Extinguisher		
Ignition Equipment		
Personal Gas Monitor		
Portable Gas Detector		
Portable Spill Response Kit		
Self-Contained Breathing Apparatus (SCBA)		
Spill Response Trailer		
Supplied Air Breathing Apparatus (SABA)		



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2.1.5.2 Roadblock (EPZ Isolation) Equipment

Roadblock locations will be determined at the time of an incident. Contents may be replaced with similar devices / equipment or may have additional items.

Refer to Corporate (Core) Emergency Response Plan – Public Protection Measures for isolation procedures.

ROADBLOCK KIT CONTENTS	QUANTITY	LOCATION
<ul style="list-style-type: none"> 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) 		

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

2.1.6.1.1 [REDACTED] - BC

2.1.6.1.2 [REDACTED] - (AB)

2.1.6.1.3 [REDACTED] - (AB)



2.1.6.2 External Emergency Response Plans: Local Health Services

2.1.6.2.1 Health Emergency Management British Columbia (HEMBC)/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

NOTE: British Columbia Emergency Health Services (BCEHS – Ambulance) remains independent of Northern Health. If an ambulance is required please contact BCEHS via 911 (or the local contact number if 911 is not available in the area)



2.1.6.2.2 Alberta Health Services (AHS)

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 Environmental Public Health 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 as resources allow.
- 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.
- Provide guidance to stakeholders on substances that may affect public health in consultation with the Zone Medical Officer of Health (MOH), including Alberta Health 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.



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2.1.6.3 Mutual Aid Agreements

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.

2.1.6.4 Mutual Aid Understandings

2.1.6.4.1 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	24 HR EMERGENCY #
Canadian Natural does not contract operate any third party operated assets in this area		

2.1.6.4.2 Third Party Operated Canadian Natural Assets

In an emergency involving Canadian Natural assets that are operated by third parties listed below, third party operations would provide First Responder and other actions as needed to implement a safe and efficient emergency response, with an immediate notification to Canadian Natural.

THIRD PARTY OPERATOR	ERP NAME	24 HR EMERGENCY #
Canadian Natural does not have any third party operated assets in this area		

2.1.6.4.3 Non-Operated Third Party Tie In Assets

Where third party assets are tied into this plan's facility(ies) but not operated by Canadian Natural, the licensee will have their own ERP and would be responsible for emergency response actions involving their assets. Canadian Natural may assist depending on resource availability at the time.

THIRD PARTY LICENSEE & OPERATOR	ERP NAME	24 HR EMERGENCY #



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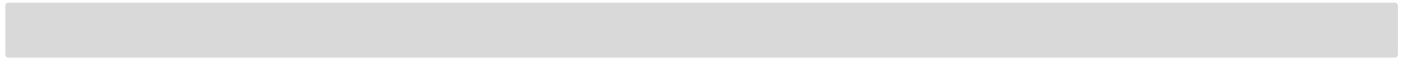
2.1.7 DRIVING DIRECTIONS AND LOCATION OVERVIEW MAP

2.1.7.1 Driving Route

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

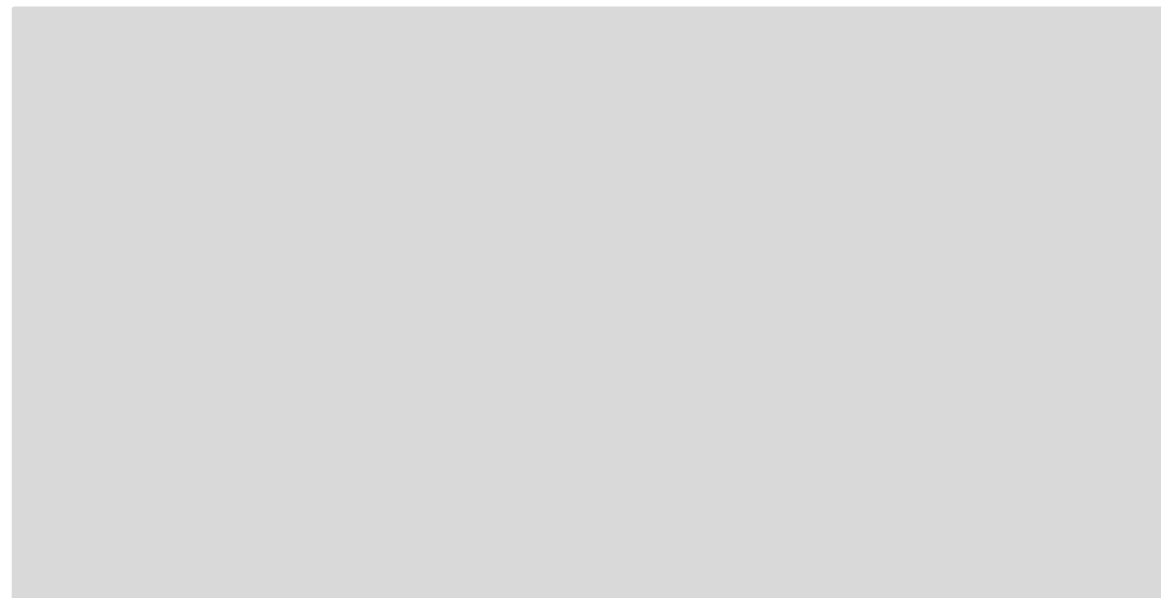


2.1.7.2 Proximity to Nearest Urban Centre



2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LAT (N)	LONG (W)





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2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT ALL FACILITIES	TYPE	DESCRIPTION
Y	24-Hour Emergency Phone 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.
N	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 & Call-Out Process	System monitoring equipment throughout facilities will trigger an alarm to a call-out system to notify applicable operators.
Y	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 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.
N	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.



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2.3 COMMUNICATIONS

The primary means of communication between the Emergency Response Team personnel and the various Operations Centres / 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 Radio	Two-way radios are installed in all operator trucks with base radios in the offices and 5 Hand Held radios at plant office. If more portable radios are required, contact service providers listed in Contract Services – Communications Rental Equipment
Land Line	There is a land line at the facility – see Section 2.1.1

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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- 3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)1
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- 3.4 WATER INTAKE CLOSURE CONTACTS (NOT APPLICABLE **)..... 3
- 3.5 PROVINCIAL GOVERNMENT CONTACTS 3
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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY NUMBERS

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

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

FOR CER PIPELINE INCIDENTS ONLY, CONTACT: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corporate ERP: Guideline 8: CER Event Reporting Guidelines</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	

AND APPLICABLE PROVINCIAL MANDATORY NOTIFICATIONS:



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NAME	LOCATION	TELEPHONE	
BRITISH COLUMBIA			
Emergency Management and Climate Readiness (EMCR) <i>EMCR will contact BC Energy Regulator (BCER)</i> If applicable, use this number to also verbally report an E2 Emergency ----- <ul style="list-style-type: none"> • <i>Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator in conjunction with EM Team</i> • <i>Environment Canada notified by EMCR</i> 	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	
Health Emergency Management BC (HEMBC) <i>* contact only if 5 or more injured persons</i>	Northern BC		
RCMP	Province-Wide	24-Hour	9-1-1

NAME	LOCATION	TELEPHONE	
ALBERTA			
Energy & Environmental Response Line <i>Alberta Environment / Alberta Energy Regulator (AER)</i> If applicable, use this number to also verbally report an Environmental Emergency (E2) ----- <ul style="list-style-type: none"> • <i>Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator in conjunction with EM Team</i> • <i>Environment Canada notified by AER</i> 	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	
Alberta Health Services <i>• ask for "Emergency Disaster Management" on call</i>	Province-Wide		
RCMP	Province-Wide	24-Hour	9-1-1



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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 & roadblocks	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) Forestry Roads	1. RCMP / local police – advise of situation / roadblock locations; request presence	24-Hour	9-1-1
	2. Notify of closures as needed: - for PDRs, notify BC Energy Regulator (BCER) directly - for forestry roads, notify Ministry of Forests, LNRORD Resource District office SEE PROVINCIAL GOVERNMENT CONTACTS TABLE BELOW			
AB	- for major highways (1, 2 or 3 digit highways)	RCMP – advise of situation / request presence & roadblocks	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 / DESCRIPTION		TELEPHONE
BRITISH COLUMBIA			
BC Ambulance Service	Emergency		9-1-1
	Areas where 9-1-1 is not available		1 800 461-9911
	Cellphone / SAT Phone / Outside BC		250 374-5937
British Columbia Boiler Safety Association	Report an Incident or Hazard (online reporting) https://portal.technicalafetybc.ca/report-incident/incident-reporting-form		1 866 566-7233
British Columbia Energy Regulator (BCER)	Emergency Coordination Centre		1 800 663-3456
Emergency Management and Climate Readiness (EMCR)			
Environment and Climate Change Strategy, Ministry of	Spills or Environmental Emergencies		1 800 663-3456
	Report All Poachers and Polluters (RAPP)		1 877 952-7277
Forests, Ministry of (Natural Resource Districts)			
Mackenzie Natural Resource District (DMK)	Mackenzie	Main	250 997-2200



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NAME	LOCATION / DESCRIPTION	TELEPHONE
BRITISH COLUMBIA		
Peace Natural Resource District (DPC)	Dawson Creek Main	250 784-1200
Prince George Natural Resource District (DPG)	Prince George Main	250 614-7400
Health Emergency Management BC (HEMBC) <i>* contact only if 5 or more injured persons</i>	Northern BC	
Ministry of Public Safety & Solicitor General	Public Safety & Emergency Services Wildfire Reporting	1 800 663-5555 Cell: *5555
WorkSafe BC <i>(applicable BU/Group Safety Lead)</i>	Province-Wide Worksite Emergency 24-Hr	1-888-621-7233

NAME	LOCATION	TELEPHONE
ALBERTA		
Alberta Boilers Safety Association (ABSA) <i>Report an Incident (online reporting)</i>	https://www.absa.ca/unsafe-condition-accident-fire-reporting/report-an-incident/	
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 Protected Areas <i>* notify when blocking roads through or adjacent to Crown Land</i>		
Alberta Environment and Protected Areas <i>Parks Fish and Wildlife Land Water</i>	Report a Poacher	24-Hour Telus Mobile #3800
	Report a Wildfire	24-Hour 310- 3473 (FIRE)
Alberta Health Services <i>* ask for “Emergency Disaster Management” on call</i>	Province-Wide	
Alberta Transportation and Economic Corridors <i>Provincial Highway Road Closures Support</i> 1. call 9-1-1 / RCMP (for roadblocks) 2. call nearest Region / District Office (for notification only) <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	780 538-5310
	Peace River District Office	780 624-6280
Occupational Health & Safety <i>(applicable BU / Group Safety Lead)</i>	Province-Wide	24-Hour 1-866-415-8690



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NAME	LOCATION	TELEPHONE	
ALBERTA			
Workers' Compensation Board	Province-Wide	24-Hour	1-866-922-9221

3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE NUMBER	
BRITISH COLUMBIA NOTE: 9-1-1 does not work for all of BC			
RCMP			
Hospital			
British Columbia Ambulance Service	Province-Wide	Emergency	9-1-1
		Areas where 9-1-1 not available – Toll free	1-800-461-9911
		Cell/ SAT Phone/ Outside BC	250-374-5937
Fire Department			
ALBERTA		ALL EMERGENCY SERVICES CALL 9-1-1	
RCMP			
Hospital			
Ambulance			
Fire Department			

3.7 TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS

• TDG Incident Reporting – contact a) 9-1-1 and b) EMCR	
• CNRL LPG Incident Reporting (Propane & Butane) – contact a) 9-1-1 and b) ERAC 1 800 265-0212 * provide Canadian Natural ERAP Number: <input type="text"/>	
• CANUTEC (all instances) * provides dangerous goods interaction guidance and technical information to responders. DOES NOT offer emergency response services	1 888 226-8832 (toll free) 613 996-6666 (call collect) Cell *666

3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER	



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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: Guideline 8: CER Event Reporting Guidelines</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	
Canadian Nuclear Safety Commission <ul style="list-style-type: none"> any accident involving nuclear reactor, nuclear fuel facility or radioactive materials lost or damaged radioactive materials any threat, theft, smuggling, vandalism or terrorist activity involving nuclear facility or radioactive materials 	Duty Officer – emergency line	24-Hour	1 613 995-0479
	Ottawa, ON	Toll Free	1 844 879-0805
Environment and Climate Change 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 - For emergencies where First Nations and Indigenous reserves are within the EPZ Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch	BC – FNIH First Nations Health Authority		
	BC – EMBC (fanout)	24-Hour	1-800-663-3456
	AB - Environmental Health Officer (EHO)		
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
Transport Canada (TC) <i>See Section 3.7 TDG / LPG – Initial Incident Reporting Contacts</i>	Nation wide	General Inquiries	1 866 995-9737



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3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING (MOBILE)			
Firemaster Oilfield Services	Fort St John, BC	24-Hour	1-877-342-3473
HSE Integrated Ltd.	Fort St John, BC	24-Hour	1-888-346-8260
Emergency Management and Climate Readiness (EMCR) / British Columbia Energy Regulator <i>*if no other air monitoring services are available and public impacted, contact EMCR to dispatch their air monitoring, if available</i>	Province-Wide	24-Hour	1-800-663-3456
Trojan Safety Services	Province-Wide	Fort St. John	250 785-9557
		Grande Prairie	780 567-3440
		Sylvan Lake	403 309-3025

3.10.2 AIRCRAFT (FIXED WING) CHARTER	CONTACT CORPORATE TRAVEL
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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.3 COMMUNICATIONS RENTAL EQUIPMENT			
Petron Communications	Fort St John, BC	Main	250-785-3333
T & T Communications	Fort St John, BC	Main	250-785-0310

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.4 DRONE / UAV OPERATORS			
Hummingbird Drones	Fort St. John (satellite office)	Main	250-857-5411
Infinity Drones	Fort St John, BC	Main	250-787-5110
Northern Drone Services	Fort St John, BC	Main	250-719-7469
Roy Northern Land & Environmental	Fort St John, BC	Main	780-835-2682
Nortech Advanced NDT	Fort Nelson, Fort St. John, BC	Main	780-380-9888
Northern Drone Services Canada	BC, AB, NWT	Main	250-512-7688
SmartDrones	BC, AB	Main	780-782-6593
UAV Imaging Inc.	BC, AB, SK, MB	Main	587-532-9000



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.5 FRESH WATER HAULING			
Fort St. John Water Inc.	Fort St. John, BC	Office	250-785-0862
Northern Vac Services	Fort St. John, BC	Office	250-785-5435
Tidy Trucking	Fort St. John, BC	Office	250-785-7515

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.6 HELICOPTERS			
Bailey Helicopters	Fort St. John, Fort Nelson	Toll Free	1-877-822-2245
Canadian Helicopters	Fort St. John, Edmonton, Fort McMurray, Fort Nelson, Grande Prairie, Norman Wells (NWT)	24 Hr Emergency (Western Canada)	780-429-6900
Delta Helicopters	Fort St. John, Edmonton, Fort McMurray, High Level, Lac La Biche, Rainbow Lake, Slave Lake	Toll Free	1-800-665-3564
Yellowhead Helicopters	Fort St. John, Hinton, Prince George	General Inquiries	1-888-566-4401
Gemini Heli	Chetwynd, Grande Cache, Grande Prairie, High Level	Main	780-539-4354

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.7 IGNITION SERVICES (VAPOR PLUME)			
** CONTACT Service Provider to get accurate Staging Area ETA **			
Safety Boss Services	Equipment Location: - Edmonton, Fort St. John Best ETA to Area: ██████████	24-Hour	1-800-882-4967
	Equipment: safety flares & handheld pistols loaded onto H2S safety trailers as req'd *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified personnel		
United Safety Ltd.	Equipment Location: - Fort McMurray, Fort Saskatchewan, Fort St. John, Grande Prairie, Lloydminster Best ETA to Area: ██████████	24-Hour	1-800-432-1809
	Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Safety Supervisors Location (Equipment): Grande Prairie, Fort Saskatchewan, Fort St. John, Fort McMurray, Lloydminster		



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.7 IGNITION SERVICES (VAPOR PLUME)			
** CONTACT Service Provider to get accurate Staging Area ETA **			
Firemaster Oilfield Services Inc.	Equipment Location: - Grande Prairie (for central/north AB & BC) Best ETA to Area: ██████████	24-Hour	1-877-342-3473
	Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Senior Hands		
FireFly Critical Well Safety Equipment	Equipment Location: Red Deer only ETA to Area: ██████████	24-Hour	403-342-1050
	Equipment: fully automated ignition systems (stationary, trailer mounted and flarepit) Services: NO IGNITION SERVICES. Set up / demobilization on drilling sites, equipment operating training		
Trojan Safety Services	Equipment Location: 90% in Grande Prairie ETA to Area: ██████████	24-Hour FSJ	250-785-9557
	Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Safety Supervisors	24-Hour GP	780-567-3440
		Sylvan Lake	403 309-3025

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.8 SAFETY SERVICES			
Brogan Safety - SO ₂ monitors, etc	Fort St. John, Dawson Creek, Grande Prairie, Whitecourt	Fort St. John	250-787-2114
		Dawson Creek	250-784-0116
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 FSJ	250-785-9557
		24-Hour GP	780-567-3440
		24-Hour Sylvan Lake	403 309-3025
United Safety Ltd.	BC, AB	24-Hour	1-800-432-1809



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.9 SPILL RESPONSE SERVICES (INLAND)			
Clean Harbors	North America	24-Hour	1-800-645-8265
QM Environmental Services	BC, AB, SK, MB	24-Hour	1-877-378-7745
Matrix Solutions Inc.	BC, AB, SK, MB	24-Hour	1-844-774-4911
Roy Northern Land and Environment	BC, AB	Fairview	780 835-2682
		FSJ	250 261-6644
		Grande Prairie	780-835-7016
		Terrace	250 635-6973
Rapid Response Industrial Group	Nationwide	24-Hour	1-844-774-4911
SWAT Consulting Inc	Nationwide	24-Hour	1-866-610-7928
Western Canadian Spill Services (WCSS)	See WCSS section		

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.10 WELL BLOWOUT CONTROL			
Firemaster Oilfield Services	Fort St John, BC	24-Hour	1-877-342-3473
HSE Integrated Ltd.	Fort St John, BC	24-Hour	1-888-346-8260
Safety Boss	Fort St John, BC	24-Hour	1-800-882-4967

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "8" & "9"			
24-HOUR EMERGENCY CONTACT 1-866-541-8888			
<i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
Coop "8"			
Regional Custodian <i>Primary Contact:</i> Cenovus James Barnhill	Equipment Location Husky Oil Operations Yard Rainbow Lake SE 10-10-109-08 W6M Directions: Contact Custodian to arrange pick-up	Office	780-956-8052
		Cell	780-956-1814
Co-op Custodian <i>Primary Contact:</i> Muzzy's Contracting Bruce Muzichuk	Equipment Location 1072 Aspen Drive Zama City, AB Directions: Call Bruce Muzichuk	24-Hour Cell	780-926-9797
Co-op Custodian <i>Primary Contact:</i>	CNRL Chinchaga Gas Plant 1-24-96-05 W6M Directions: On Hwy 35, travel 16 km from Manning north to Chinchaga Forestry Road.	Control Room	780- 834-2008
		Don Jaeger	780- 836-6223



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP “8” & “9” 24-HOUR EMERGENCY CONTACT 1-866-541-8888 <i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
CNRL Chinchaga Gas Plant	Turn west for 75 km, then north 5 km to plant site.	Cory Karpiak	780-618-6513
Coop “9”			
Regional Custodian Primary Contact: North River Midstream Kaylin Salanski	Equipment Location 13217 Westcoast Frontage Charlie Lake, BC V0C 1H0 Mile 53 Alaska Hwy	24-Hour	250-262-3446
		Office	250-919-7282
Co-op Custodian Primary Contact: Radar Road Trucking Rick Seidel	Equipment Location 4900 – 46 Avenue Fort Nelson, BC V0C 1R0	24-Hour	250- 775-0036

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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SECTION 4: PUBLIC NOTIFICATIONS

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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 Centre(s) options are listed below. The Reception Centre selected will be based on the site of the emergency and the safest route for evacuating residents out of the Emergency Planning Zone.

RECEPTION CENTRE	LOCATION	TELEPHONE NUMBER

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. As an alternative to the hard copy versions, this information may also be accessed by authorized users via the ERPlanning web-based application at [redacted].

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.
- 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.



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- 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, 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	BC Energy Regulator (BCER)	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	BC Energy Regulator (BCER)	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
Railways	Closure	Transport Canada and Railway	N/A
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 SCHOOL 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 / guardian are located. Private schools must be contacted directly. School children living within the EPZ attend the following schools:

SCHOOL DIVISION	TELEPHONE NUMBER	SCHOOL NAME
There are no school divisions affected by this ERP		



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SECTION 5: GATHERING SYSTEM INFORMATION

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5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 ASSET LIST LEGEND

GENERAL		SUBSTANCE / SUB		STATUS / STAT		FROM FACILITY (FAC) / TO FACILITY (FAC)	
LICENSE	License Number	OE	Oil Effluent	A	Active (<i>Facilities</i>)	PL	Pipeline
LINE	Line Number	FG	Fuel Gas	O	Operational	WE	Well
OD	Outer Diameter (mm)	NG	Natural Gas	P	To Be Constructed	GP	Gas Processing Plant
WT	Wall Thickness (mm)	SW	Salt Water	D	Discontinued	IP	Injection / Disposal Facility
MOP	Max Operating Pressure (kPa)	LV	Low Vapour Pressure Products	S	Suspended	RI	River
LENGTH	Length of Segment (km)	CO	Crude Oil	U	Unknown (<i>Facilities</i>)	LA	Lake
H₂S	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>AB only</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
ROW	Right of Way						

5.2.2 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No facility information required for this plan

5.2.3 PIPELINE RELEASE VOLUMES / WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

CER REGULATED PIPELINES:

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.

5.2.3.1 CER REGULATED PIPELINES															
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)	Set EPZ (m)
															N/A
															980
															980
															980
															980
															980

5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No well information required for this plan



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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.

EPZs are identified on the map as “yellow” shaded areas where applicable.

A pre-determined Environmental Emergency (E2) worst case scenario EPZs are identified on the map as the “pink” shaded areas if applicable.

6.2 PUBLIC INFORMATION PACKAGE

The Public Information Package used for consultations to update this Site Specific ERP is attached. 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