



Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

GRIZZLY / THUNDER / OJAY
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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April 1, 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/DD) ERP Planner	Rev	Revision Details	Annual Update (Y / N)	Date inserted in ERP (YYYY/MM/DD)	Inserted / Replaced by (Name & Signature)
2021/11/30 	15-0	<ul style="list-style-type: none"> Converted ERP to new template All emergency contact information verified and updated. Map updated to reflect all changes Contacted all area residents/ businesses and updated information 	Y		
2020/11/30 	14-0	<ul style="list-style-type: none"> Reviewed gathering systems and updated EPZ calculations Map updated to reflect all changes Contacted all area residents/ businesses and updated information All emergency contact information verified and updated. 	Y		
2019/11/29 	13-0	<ul style="list-style-type: none"> Changed NEB to CER Reviewed gathering systems and updated EPZ calculations Map updated to reflect all changes Contacted all area residents/ businesses and updated information All emergency contact information verified and updated. 	Y		
2018/10/30 	12-0	<ul style="list-style-type: none"> Reviewed gathering systems and updated EPZ calculations Map updated to reflect all changes Contacted all area residents/ businesses and updated information All emergency contact information verified and updated. 	Y		
2017/10/30 	11-0	<ul style="list-style-type: none"> Reviewed gathering systems and updated EPZ calculations Map updated to reflect all changes Contacted all area residents/ businesses and updated information All emergency contact information verified and updated. 	Y		
2016/03 	10-1	<ul style="list-style-type: none"> Incorporated additional information as required by the CER Added one recently acquired CER pipeline 	N		
2015/10/30 	10-0	<ul style="list-style-type: none"> Reviewed gathering systems and updated EPZ calculations Map updated to reflect all changes Contacted all area residents/ businesses and updated information All emergency contact information verified and updated. 	Y		
2015/04 	9-2	<ul style="list-style-type: none"> Rev. National Energy Board (NEB), Transportation Safety Board (TSB) and Emergency Response Assistance e Canada (ERAC) Information Update Updated external distribution list for CER from three hard copies to one hard copy and one electronic copy Updated NEB contact information Updated TSB contact Information Amended TDG/LPGS emergency corporation name from LPG Emergency Response Corp. to ERAC 	N		
2015/01 	9-1	<ul style="list-style-type: none"> Added 2 National Energy Board (NEB) pipelines to pipeline list Added CER to distribution list 	N		

The Grizzly/ Thunder/ Ojay ERP is Supplemental to Canadian Natural's Corporate (Core) Emergency Response Plan and covers the following:

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ERP ID
Belcourt		Sour Production	BC OGC ERP ID #
Grizzly North		Sour Production	
Grizzly South		Sour Production	
Little Prairie		Sour Production	
Narraway / Ojay		Sweet Production	
Ojay		Sour Production	
Ojay East		Sweet Production	
Ojay Main		Sour Production	
Ojay North		Sour Production	
Ojay West		Sour Production	
Thunder		Sweet Production	
Triad		Sour Production	
CER Regulated Pipeline		Natural Gas Pipeline	CER ERP ID #
CER Regulated Pipeline		Natural Gas Pipeline	
CER Regulated Pipeline		Natural Gas Pipeline	

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ALL HAZARDS IDENTIFICATION TABLE

Completed By: _____

IDENTIFY HAZARD	DOES THE HAZARD AFFECT:				RISK RANKING	WHAT MITIGATION MEASURES ARE AVAILABLE / NEEDED <i>(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)</i>
	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS		
HAZARD	Yes <i>If applicable</i>	LAND USE <i>(i.e.: vegetation, forest, etc.)</i>	WILDLIFE / LIVESTOCK	Yes <i>If applicable</i>	Indicate Low / Med / High	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES
<input checked="" type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release	Yes	Yes	Yes	Yes	Med	<input checked="" type="checkbox"/> Personal gas monitor <input checked="" type="checkbox"/> Portable gas detector <input checked="" type="checkbox"/> SCBA <input checked="" type="checkbox"/> SABA <input checked="" type="checkbox"/> ESD Procedures <input checked="" type="checkbox"/> Emergency Planning Zone <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"/> Other <i>(List)</i>
<input type="checkbox"/> High Vapour Pressure (HVP) Pipeline Release <i>(A pipeline system conveying hydrocarbon mixtures in the liquid or quasi-liquid state with a vapour pressure of greater than 110 kPa absolute at 38°C)</i>						<input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> Roadblock Kits <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Emergency Response Plan <input type="checkbox"/> ESD Procedures <input type="checkbox"/> Emergency Planning Zone <input type="checkbox"/> Ignition resources – trained personnel <input type="checkbox"/> Ignition resources – service provider <input type="checkbox"/> Fire extinguishers <input type="checkbox"/> Firefighting equipment e.g. 300 lb wheeled fire extinguisher <input type="checkbox"/> Other <i>(List)</i>



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	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS		
		LAND USE <i>(i.e.: vegetation, forest, etc.)</i>	WILDLIFE / LIVESTOCK			
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / High	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES
<div><input type="checkbox"/> CEPA – E2 (i.e.: propane, butane, etc.)</div>						ACTIVE MITIGATIONS
						<input type="checkbox"/> Firefighting equipment e.g. 300 lb wheeled fire extinguisher
						<input type="checkbox"/> Fire extinguishers/ Industrial firefighters
						<input type="checkbox"/> Roadblock Kit(s)
						<input type="checkbox"/> Communication Plans – Public / Media
						<input type="checkbox"/> Ignition resources – trained personnel
						<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
						PASSIVE MITIGATIONS
						<input type="checkbox"/> Secondary containment (earth berms)
						<input type="checkbox"/> Separator and surface water collection system
						<input type="checkbox"/> Vessel protection systems
<div><input checked="" type="checkbox"/> Petroleum Release / Spill <i>(i.e.: on land or in water, LPG petroleum spills, oil spills, gas release, flammable vapours release)</i></div>	Yes	Yes	Yes	Yes	Med	<input checked="" type="checkbox"/> CiNQ – Environment Conventional – Thermal intranet site: Spill Reporting Procedures
						<input checked="" type="checkbox"/> TDG/LPG Emergency Responsibilities (Guideline 10, Corporate ERP)
						<input checked="" type="checkbox"/> WCSS Manual or other Spill Cooperative – Area C, E and T See Section 3.10.10
						<input checked="" type="checkbox"/> CNRL Spill Response Trailer – Fort St. John Office
						<input checked="" type="checkbox"/> WCSS or other Water Control Point location(s)
						<input checked="" type="checkbox"/> Boom(s)
						<input checked="" type="checkbox"/> Absorbent material
						<input checked="" type="checkbox"/> Roadblock Kit(s)
						<input checked="" type="checkbox"/> Communication Plans – Public / Media
						<input checked="" type="checkbox"/> Proper PPE



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	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS		<i>(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)</i>	
		LAND USE <i>(i.e.: vegetation, forest, etc.)</i>	WILDLIFE / LIVESTOCK				
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / High	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES	
<input checked="" type="checkbox"/> Asset Fire	Yes	Yes	Yes	Yes	Low	<input type="checkbox"/> Firefighting equipment e.g. 300 lb wheeled fire extinguisher <input checked="" type="checkbox"/> Fire extinguishers <input checked="" type="checkbox"/> Fire detection system <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 <i>(List)</i>	
<input checked="" type="checkbox"/> Wildfire				Yes	Low	<input checked="" type="checkbox"/> ESD procedures <input checked="" type="checkbox"/> Fire extinguishers <input type="checkbox"/> Site specific wildfire plans <input checked="" type="checkbox"/> Evacuation procedures <input checked="" type="checkbox"/> Transportation available <input type="checkbox"/> Other <i>(List)</i>	
<input checked="" type="checkbox"/> On-Site Chemicals / Fuels	Yes	Yes	Yes	Yes	Low	<input checked="" type="checkbox"/> Spill reporting procedures <input checked="" type="checkbox"/> SDS info – accessible via online database, EOC, District offices <input checked="" type="checkbox"/> Fire extinguisher(s) <input checked="" type="checkbox"/> Absorbent materials <input checked="" type="checkbox"/> Proper storage <input checked="" type="checkbox"/> SMS COP: Storage, Handling, Use / Disposal of Harmful Substances	
<input checked="" type="checkbox"/> Road Closures (Access / Egress / Roadblocks)				Yes	Low	<input checked="" type="checkbox"/> Evacuation route(s) determined <input checked="" type="checkbox"/> Transportation available <input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Other <i>(List)</i>	



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	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS		<i>(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)</i>	
		LAND USE <i>(i.e.: vegetation, forest, etc.)</i>	WILDLIFE / LIVESTOCK				
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / High	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES	
<input checked="" type="checkbox"/> Highway / Railway Closures	Yes	Yes	Yes	Yes	Med	<input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Communication Plans – Public / Media <input checked="" type="checkbox"/> Emergency contact information (RCMP / Railway) <input type="checkbox"/> Other <i>(List)</i>	
<input checked="" type="checkbox"/> Communications Failure				Yes	Low	<input checked="" type="checkbox"/> Landlines <input checked="" type="checkbox"/> Cell phones <input checked="" type="checkbox"/> 2-way radios <input type="checkbox"/> Other <i>(List)</i>	
<input type="checkbox"/> Power Outage						<input type="checkbox"/> Back-up generator(s) <input type="checkbox"/> Communication systems <input type="checkbox"/> Other <i>(List)</i>	
<input checked="" type="checkbox"/> Severe Weather (Lightning / Hail / Blizzards / High Winds)				Yes	Low	<input checked="" type="checkbox"/> Communication advisory <input checked="" type="checkbox"/> ESD procedures <input checked="" type="checkbox"/> Working alone procedures <input checked="" type="checkbox"/> Shelter / evacuation procedures <input checked="" type="checkbox"/> Alternate transportation (helicopter, ATV, snowmobile) <input type="checkbox"/> Other <i>(List)</i>	
<input type="checkbox"/> Earthquake / Seismic						<input type="checkbox"/> Communication advisory <input type="checkbox"/> ESD procedures <input type="checkbox"/> Working alone procedures <input type="checkbox"/> Shelter / evacuation procedures <input type="checkbox"/> Other <i>(List)</i>	



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	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT LAND USE <i>(i.e.: vegetation, forest, etc.)</i>	WILDLIFE / LIVESTOCK	COMPANY ASSETS		
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / High	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES
<input checked="" type="checkbox"/> Flood / Landslide				Yes	Med	<input checked="" type="checkbox"/> Communication advisory <input checked="" type="checkbox"/> Working alone procedures <input checked="" type="checkbox"/> Evacuation procedures <input checked="" type="checkbox"/> ESD procedures <input type="checkbox"/> Pumps <input type="checkbox"/> Other <i>(List)</i>
<input type="checkbox"/> Aircraft Transportation						<input type="checkbox"/> NAV Canada 1-800-876-4693 <input type="checkbox"/> Air Strip Emergency Response Plan (Canadian Natural owned) <input type="checkbox"/> Corporate Travel: Safety Standards for Chartered Air Carriers
<input checked="" type="checkbox"/> Pandemic (Reduced workforce)				Yes	Low	<input checked="" type="checkbox"/> Back-up resources to continue operations <input checked="" type="checkbox"/> Internal communication / notification system <input checked="" type="checkbox"/> Human Resources: Canadian Natural Epidemic Response
<input checked="" type="checkbox"/> Security Incidents (Theft / Vandalism / Violence / Terrorism)				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 procedure <input checked="" type="checkbox"/> Information Systems: Disaster Recovery Principles
<input type="checkbox"/> Other						<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1		Foreman	Tumbler Ridge Office	✓
2		Assistant Foreman	Tumbler Ridge Office	✓
3	Tumbler Ridge Office	Tumbler Ridge Office	Tumbler Ridge Office	
4	Grizzly North Plant	Facility		
5	Ojay Compressor	Facility		
6	Ojay Mole Sieve	Facility		
7	Operations Superintendent	Operations Superintendent	Fort St. John Office	✓
Electronic (CiNQ)/ ERP maps		Manager, Fort St. John Field Operations	Fort St. John Office	
8		Area Safety & Compliance Coordinator	Fort St. John Office	
9		Surface Landman	Fort St. John Office	✓
10	Emergency Response Mobile Cart	Emergency Response Library	Calgary Office	✓
11	Calgary Office Command Center	Calgary Office Command Center	Calgary Office – Room 26002	✓
*	Roadblock Kit	Grizzly North Plant		
*	Roadblock Kit	Thunder Plant		
*	Roadblock Kit	Ojay Compressor		
*	Roadblock Kit	Ojay Mole Sieve		
*	Roadblock Kit	Ojay		
*	Roadblock Kit	Tumbler Ridge Office	Tumbler Ridge Office	
*	Roadblock Role Checklist and Information, Roadblock Control Log and Map only			

1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
Email	Secretary of the Board cc Emergency Management & Security Program Support	Canada Energy Regulator	cc: [REDACTED]
12	CER – Hard Copy		517 – 10 th Avenue SW Calgary, AB T2R 0A8
CD	CER		
13	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	General Manager of Community Services	Peace River Regional District	P. O. Box 810 1981 Alaska Avenue Dawson Creek BC V1G 4H8 [REDACTED]
Email	Regional Fire Chief	Municipal District of Greenview	Box 1079 Valleyview, Alberta, Canada T0H 3N0 [REDACTED]
Email	North Zone Manager, Environmental Public Health	AHS – North Zone	[REDACTED]
CD	<i>Electronic copy on CD</i>		
eSubmission	<i>Electronic copy submitted via British Columbia Oil and Gas Commission's online submission portal</i>		
Email	<i>Electronic copy provided by email</i>		

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 if applicable:

- Local Indigenous Nations
- 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 LOCATION

FACILITY	LOCATION	PHONE NUMBER	DESCRIPTION
CNRL FACILITIES: GRIZZLY / THUNDER / OJAY AREA			
Fort St. John On-Call Pager	--		24 Hour
Grizzly North Camp			Main Office. People on site at night.
Grizzly North Plant Office			Main Office. 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
Grizzly South Plant Office			Main Office
Ojay Camp Office			Main Office. 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
Ojay Camp			Camp Phone
Ojay North Plant			Main Office
Ojay Plant Office			Main Office
Thunder Plant Office			Main Office 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
CNRL FACILITIES (OTHER AREAS)			
Babcock Plant			Main Office
Bullmoose Plant Office			Main Office
Boulder Plant			Main Office
Mast Plant Office			Main Office
Murray River Plant Office			Main Office
Spieker Plant Office			Main Office
Tumbler Ridge Office			Main Office
West Bullmoose Plant Office			Main Office
Wolverine Plant Office			Main Office
MUTUAL AID: SUKUNKA NATURAL RESOURCES INCORPORATED (SNRI) FACILITIES			
Chetwynd Office			Main Office
			Conference Room
Kwoen Gas Plant			Kwoen #2
			Kwoen #2
Pine River Gas Plant			Main Office
			Control Room
			Emergency Response Room
Sukunka Plant			Lunch Room
West Sukunka Plant			Control Room

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DISTRICT OFFICE LOCATION	Fort St. John	
TELEPHONE NUMBERS	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

2.1.4 GENERAL LAND USE AND POPULATION DENSITY

Local Municipality		Peace River Regional District (BC) MD of Greenview #16 (BC) County of Grande Prairie (AB)
Area Land Use		Oil and gas, hunting, trapping, guiding, ranching, mining.
POPULATION DENSITY (WITHIN EPZ)		
NUMBER	TYPE	DESCRIPTION
14	Residences	12 seasonal, 2 occupied. See Section 4.3 for more information.
15	Businesses / Organizations	See Section 4.4 for more information.
5	Public Facilities / Recreational Areas	5 campsite/ recreation areas. See Section 4.4 for more information.
11	Trappers / Guide Outfitters	9 trap lines, 2 guide outfitters. See Section 4.7
0	Grazing Leases / Reserves	See Section 4.8
0	Forest Management Areas	See Section 4.9
0	First Nations	See Section 4.10
Several	Lakes / Rivers	Barber Lake, Red Deer Creek, Wapiti River, Little Prairie Creek, Stony Lake, Belcourt Creek, Honeymoon Creek, Fearless Creek, Bokken Creek, Inis Lake, Calliou Lake, Calliou Creek, Gap Lake, Gibson Lake, Rat Lake, Kinuseo Creek, Flatbed Creek, many other lakes, creeks and various unnamed tributaries.
1	Public Highways	Heritage Hwy 52
1	Other	Hunting - Private hunting, as well as guided hunting/fishing, takes place all through the wilderness in this area. In case of emergency, aerial surveillance will be needed to look for any backpackers, day-hikers, cyclists, snowmobilers, skiers or hunters.

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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	3	Kept at main plant sites
First Aid Kit	3	Kept at main plant sites
First Aid Room		
First Aid Station		
Fire Blanket		
Handheld Fire Extinguisher	2	Kept at main plant sites
Ignition Equipment	5	1 flare pistol in the roadblock kit (Grizzly North), 1 flare pistol in each truck (2 Grizzly North trucks & 1 South Run truck), 1 flare shotgun in Assistant Foreman's truck.
Personal Gas Monitor	5	3-head 4 way gas monitors used by the operations staff throughout the Grizzly, South Grizzly, Ojay and Thunder fields.
Portable Gas Detector	0	
Portable Spill Response Kit	0	
Self-Contained Breathing Apparatus (SCBA)	5	One for each operator and crew
Spill Response Trailer	0	None located on site Nearest CNRL Trailer(s): - Fort St. John Office - Grande Prairie North Office, 10123 156 Ave - CNRL Progress (GP)
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) - Roadblock Role Checklist & information - Roadblock Control Log form	6	Grizzly North Plant -  Thunder Plant -  Ojay Compressor -  Ojay Mole Sieve -  Ojay  Tumbler Ridge Office

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 District (PRRD)

Consulted October 20, 2021 via email

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 General Manager of Community Services to ensure that responses are coordinated.

The PRRD 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.

MUNICIPAL DISTRICT OF GREENVIEW (AB)

Consulted November 25, 2021 via email with

Any time an emergency occurs that involves the evacuation of more people than Canadian Natural personnel can handle, the MD of Greenview will be notified to assist. If necessary, the MD 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 Protective Services to ensure that responses are coordinated.

The MD 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.

There are three Greenview Fire Departments located at DeBolt, Grande Cache and Grovedale, two Fire Departments on contract from Fox Creek, Grande Cache and Valleyview, each with approximately 20 volunteer fire fighters.

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.

NOTE: The Fire Stations/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 Departments 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 Stations/Fire Departments.

Alberta Agriculture and Forestry is responsible for wildland fire protection in these areas. The MD of Greenview has four Peace Officers. All policing duties are covered by the RCMP.

Emergency Medical Services are under Alberta Health Services; dial 9-1-1.

COUNTY OF GRANDE PRAIRIE (AB)

Contacted [REDACTED], *via email November 23, 2020.*

Initial contact person for ERPs is [REDACTED], Deputy Fire Chief.

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

Any time an emergency occurs that involves the evacuation of more people than Canadian Natural personnel can handle, the Peace River Regional District (BC), the Municipal District of Greenview (AB) and the County of Grande Prairie (AB) will be notified to assist. It is essential that Canadian Natural's Incident Commander maintain communication with each local authority's designate to ensure that responses are coordinated

Local RCMP Detachments

The local RCMP detachments of Fort St. John, Tumbler Ridge and Dawson Creek:

- 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

HEALTH EMERGENCY MANAGEMENT BRITISH COLUMBIA (HEM BC) / NORTHERN HEALTH (NH)

Consulted October 20, 2021 via email with [REDACTED]

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)

ALBERTA HEALTH SERVICES (AHS) – NORTH ZONE

Consulted with [REDACTED] **via email on October 6, 2021.**

Alberta Health Services – North Zone 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.

NOTE: The North Zone has developed an e-mail address [REDACTED] that will be used to receive all electronic information relating to oil and gas emergency response planning in the North Zone. If it can be sent electronically please use the e-mail provided. This e-mail will be checked by designated personnel and all information handled appropriately. There is no longer a need to send information to local offices in the North Zone as it will be distributed internally by our own staff.

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.

CNRL Subsidiary Companies Mutual Aid

Sukunka Natural Resources Inc. (SNRI) is a subsidiary of the Canadian Natural and owns assets in the area that are not covered by this ERP. Should an emergency occurs SNRI will provide assistance, aid and available resources as required.

OPERATOR	ERP NAME	EMERGENCY NUMBER
Sukunka Natural Resources Inc.	[REDACTED]	1-888-878-3700



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Operated Third Party Assets

In an emergency involving another licensee whose assets are operated by Canadian Natural, Canadian Natural would provide First Responder actions, with an immediate notification to these well or pipeline licensees to activate their ERP:

- **Pieridae Energy** 24 Hour Emergency 1-866-267-5298

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.

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 Grizzly North [REDACTED]:

- [REDACTED]
- [REDACTED]
- [REDACTED]

From Tumbler Ridge To Grizzly South [REDACTED]:

- [REDACTED]
- [REDACTED]
- [REDACTED]

From Tumbler Ridge To South Grizzly [REDACTED]:

- [REDACTED]
- [REDACTED]
- [REDACTED]

From Tumbler Ridge To Thunder [REDACTED]:

- [REDACTED]
- [REDACTED]

From Tumbler Ridge To Thunder [REDACTED]:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

From Tumbler Ridge To Ojay [REDACTED]:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

From Tumbler Ridge To [REDACTED]:

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

2.1.7.2 Proximity To Nearest Urban Centre

To Tumbler Ridge:

From Grizzly North Plant: [REDACTED] km

From Grizzly South Plant: [REDACTED] km

From Thunder Plant: [REDACTED] km

From Ojay Plant: [REDACTED] km

2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LATITUDE (N)	LONGITUDE (W)
Grizzly North Plant		
Grizzly South Plant		
South Grizzly		
Thunder Plant		
Thunder		
Ojay Plant		
Ojay		

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 (On sales line)	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.
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.
N	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	All operators have two-way radios. If more portable radios are required, contact service providers listed in Contract Services - Communication Equipment
Land Line	Phones at all Plant sites

2.3.2 RADIO FREQUENCIES

















2.3.2.1 CNRL South District Road Channels

	RX Frequency	RX Tone	TX Frequency	RX Tone	Name
		~~~		~~~	
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[illegible]

	RX Frequency	RX Tone	TX Frequency	RX Tone	Name
		~~~		~~~	
		~~~		~~~	
		~~~		~~~	
		~~~		~~~	

[illegible]



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Ch. #	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N

2.3.2.5 SNRI UHF Portables -

[illegible]

2.3.2.6 BC RR Channels

[illegible]



SECTION 3: CONTACTS AND TELEPHONE LISTS

3.1	COMPANY EMERGENCY CONTACTS	1
3.2	MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)..	1
3.3	ROAD CLOSURE CONTACTS.....	3
3.4	WATER INTAKE CLOSURE CONTACTS	3
3.5	PROVINCIAL GOVERNMENT CONTACTS	3
3.6	EMERGENCY SERVICE NUMBERS	5
3.7	TDG / LPG EMERGENCY NUMBERS	6
3.8	MUNICIPAL GOVERNMENT CONTACTS	6
3.9	FEDERAL GOVERNMENT CONTACTS	6
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3.10.2	Aircraft (Fixed Wing) Charters.....	7
3.10.3	Communications Rental Equipment.....	7
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3.10.6	Helicopters	8
3.10.7	Safety Services.....	8
3.10.8	Spill Response Equipment.....	8
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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

POSITION	NAME	CELL	OFFICE
Area Foreman			
Assistant Foreman			
Operations Superintendent			
Safety & Compliance Coordinator			
Environmental Field Coordinator			
Surface Landman (BC)			
Surface Landman (AB)			
Manager, Corporate Safety & Emergency Mgmt			
Emergency Management Lead			
Manager, Fort St. John Field Operations			
VP, West Field Operations			
Calgary Command Centre – Bankers Hall East (BHE)	Room 26002	N/A	

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 <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>	https://apps.cer-rec.gc.ca/ers
Emergency Management BC (EMBC) EMBC will contact BC Oil & Gas Commission (OGC)	Province-Wide	For all emergencies 24-Hour Incident Reporting	1-800-663-3456



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24-Hour Emergency 1-888-878-3700

NAME	LOCATION	TELEPHONE	
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 Coordinator Environment Canada notified by EMBC 		* 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
RCMP - Fort St. John Detachment	Fort St. John BC	24-Hour	9-1-1
RCMP – Tumbler Ridge Detachment	Tumbler Ridge, BC	24-Hour Emergency	250-242-5252

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
		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	
Energy & Environmental Response Line Alberta Environment / Alberta Energy Regulator (AER) 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	1-800-222-6514
		* 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 * Ask for Environmental Public Health On Call	Province-Wide	24-Hour	
		Email	
RCMP: Grande Prairie Detachment	Grande Prairie AB	24-Hour Emergency	9-1-1 780-830-5701

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 <i>(highways with 1, 2, 3 digits or local names)</i>	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) 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 OGC 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 / 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: Single Window Information Management (SWIM) 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>) <div></div>	Northern BC	24-Hour Emergency On Call	<div></div>

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NAME	LOCATION	TELEPHONE	
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

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 <i>* Ask for Environmental Public Health On Call</i>	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

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NAME	LOCATION	TELEPHONE	
Occupational Health & Safety (Area Safety & Compliance Coordinator only)	Province-Wide	24-Hour	1-866-415-8690
Workers' Compensation Board	Province-Wide	24-Hour	1-866-922-9221

3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE NUMBER	
BRITISH COLUMBIA			
RCMP – Fort St. John Detachment	Fort St. John BC	24-Hour	9-1-1
		Office	250-787-8100
RCMP – Dawson Creek Detachment	Dawson Creek, BC	24-Hour	9-1-1
		Office	250-784-3700
RCMP – Tumbler Ridge Detachment	Tumbler Ridge, BC	24-Hour	250-242-5252
Hospital – Fort St. John	Fort St. John BC	24-Hour	250-262-5200
Hospital – Dawson Creek	Dawson Creek, BC	24-Hour	250-782-8501
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 – Dawson Creek	Dawson Creek, BC	24-Hour	9-1-1
		Office	250-782-9898
Fire Department – Tumbler Ridge	Tumbler Ridge, BC	24-Hour	9-1-1
		Office	250-242-3939
Fire Department – Fort St. John	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	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	Office	780-513-5290
Fire Department	Grande Prairie AB	Office	780-538-0393



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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:	24-Hour	1-800-265-0212
For TDG emergencies other than CNRL Product - contact ERAC	24-Hour	1-800-265-0212
For Information Only: CANUTEC	Toll free	1 888 226-8832
	Call Collect	613 996-6666
	Cell	*666

3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER
Peace River Regional District	Dawson Creek BC	24 Hr Emergency 1-800-663-3456
		Toll-free/ After Hours 1-800-670-7773
Municipal District of Greenview	Valleyview AB	Toll-free/ After Hours 1-866-524-7608
		Office 780-524-7600
County of Grande Prairie	Clairmont BC	Toll-free/ After Hours 780-814-0280
		Office 780-532-9727

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 https://apps.cer-rec.gc.ca/ers
	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
	* will be notified by respective provincial govt agency – see Section 3.2	
Fisheries & Ocean Canada <i>Report emergency to nearest Marine Communications & Traffic Service Center (MCTS)</i>	MCTS – Prince Rupert, Operations	Emergency 250-627-3081
	MCTS – Victoria, Operations	Emergency 250-363-6333
Health Canada Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch	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 780-719-8782

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<i>For emergencies impacting First Nations and Indigenous communities (see Section 4)</i>			
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

3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING			
Brogan Safety Supplies - SO ₂ monitors, etc	Dawson Creek, BC Fort St. John, BC	24-Hour	250-787-2114 250-784-0116
Emergency Management BC/ British Columbia Oil and Gas Commission <i>*if no other air monitoring services are available and public is impacted, contact EMBC to dispatch their air monitoring, if available</i> Firemaster Oilfield Services	Province-Wide Fort St John, BC	24-Hour	1-800-663-3456
		24-Hour	403-342-7500
HSE Integrated Ltd.	Fort St John, BC	24-Hour	1-888-346-8260
Trojan Safety Services	Province-Wide	24-Hour	1-877-785-9558
Brogan Safety Supplies - SO ₂ monitors, etc	Dawson Creek, BC Fort St. John, BC	24-Hour	250-787-2114 250-784-0116
3.10.2 AIRCRAFT (FIXED WING) CHARTERS		CONTACT CORPORATE TRAVEL	
3.10.3 COMMUNICATIONS RENTAL EQUIPMENT			
Cardinal Telecom (2000) Inc	Chetwynd	Main	250-788-3271
		After Hours	250-788-3271 ext 305
Epscan Communications	Dawson Creek, Fort St. John	Dawson Creek	250-782-4142
		Fort St. John	250-787-9659
Petron Communications	Dawson Creek, Fort St. John (HQ)	Dawson Creek	250-782-3333
		Fort St. John	250-785-3333
T & T Communications	Fort St. John	Main	250-785-0310
3.10.4 DRONE / UAV OPERATORS			
Digital B Photography	Fort St. John Grande Prairie	250-719-7469 or 780-512-7688 photos@digitalb.ca	
Hummingbird Drones	Fort St. John (satellite office)	250- 877 7082 info@hummingbirddrones.ca	

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COMPANY	LOCATION	TELEPHONE NUMBER
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
Roy Northern Land & Environmental	Fort St. John	250-261-6644 info@roynorthern.com

3.10.5 FRESH WATER SUPPLIERS

Avalanche Trucking Ltd	Tumbler Ridge - <i>potable & fresh water</i>	24 hr dispatch	250-242-4774
Chetwynd Fresh Water (2011)	Chetwynd - <i>potable water</i>	24 hr	250-788-2938
K P A Oilfield Services	Chetwynd, Tumbler Ridge - <i>fresh water</i>	Main	250-788-6933
Northern Vac Services	Chetwynd, Dawson Creek, Fort Nelson, Fort St. John, Tumbler Ridge - <i>potable & fresh water</i>	24 hr dispatch	250-785-5435

3.10.6 HELICOPTERS

Bailey Helicopters	Fort St. John	Toll Free	1-877-822-2245
Canadian Helicopters / HNZ	Fort St. John, Grande Prairie	24 Hr Emergency (Western Canada)	780-429-6900
Qwest Helicopters	Fort St. John	24 Hr	250-787-5157
Yellowhead Helicopters	Fort St. John	24 Hr	250-785-2331

3.10.7 SAFETY SERVICES

Brogan Safety - <i>SO₂ monitors, etc</i>	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Dawson Creek	250-784-0116
		Fort St. John	250-787-2114
Firemaster Oilfield Services Inc	BC, AB, SK	24-Hour	403 342-7500
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	1-877-785-9558
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	BC, AB, SK	24-Hour	403-236-4901
GFL Environmental	North America	24-Hour	1-866-417-2797
North Shore Environmental Consultants	BC, AB, SK (small scale)	24-Hour	1-855-700-6732
QM Environmental	BC, AB, SK	24-Hour	1-877-378-7745
Rapid Response Industrial Group	Canada-wide	24-Hour	1-844-774-4911
SWAT Consulting	Canada-wide	24-Hour	1-866-610-7928

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COMPANY	LOCATION	TELEPHONE NUMBER	
Tervita	Canada-wide	24-Hour	1-800-327-7455
Western Canadian Spill Services (WCSS)	See WCSS section		
3.10.9 WELL BLOWOUT CONTROL			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	403-342-7500
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) AREAS “C”, “E” AND “T”			
24-HOUR EMERGENCY CONTACT 1-866-541-8888			
Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers			
AREA “C”			
Shawn Doré, Clean Harbors Production Services, Regional Custodian	Fort St. John, BC	Cell	250-261-9404
		Office	250-785-4577
Troyer Ventures Ltd, Co-op Custodian	Fort Nelson, BC	24 Hour	250-774-5332
AREA “E”			
Pembina Pipelines, Co-op Custodian	Pembina Valleyview Pump Station 12-10-69-22-W5M (12 km south of Valleyview on Highway 43)	24 Hour	780-524-3938
		Cell	780-301-0020
		Alt. Contact Cell	780-524-8877
Marko Hackenberg, Rockwater Energy Solutions, Co-op Custodian	Grande Cache - 97 Street & Hoppe Avenue	24 Hour	780-827-5353
		Cell	780-827-6061
Michael Doerksen, Energy Transfer Canada ULC, Co-op Custodian	Fox Creek - Energy Transfer Canada - Kaybob Amalgamated Gas Plant 14-01-62-20-W5	24 Hour	780-622-6274
		Office	780-622-6250
		Cell	780-622-7358
Sean Smith, Formula Powell Co-op Custodian	01-13-053-18 W5, 53206 RR 180 Yellowhead County Edson, AB	24 Hour	780-712-6110 x 3
		Cell	780-712-3564
AREA “T”			
Clean Harbors, Regional Custodian	9601 - 156 Avenue Grande Prairie, AB	Office	780-532-4331
		Fax	780-532-4405
ARC Resources Ltd. (Grande Prairie), Co-op Custodian	Archie Warehouse 07-04-64-05 W6	24 Hour	587-343-5824
CNRL Chinchaga Gas Plant, Co-op Custodian	CNRL Chinchaga Gas Plant 1-24-96-05 W6M	Control Room	780-836-3364 x 25

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

Corporate > Environmental Conventional-Thermal > Job Instructions > Spill Response Equipment and Contact List

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 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
Lakeview Inns & Suites	4820 N Access Rd Chetwynd BC V0C 1J0	24-Hour	250-788-3000
Holiday Inn Express & Suites	12217 – 4 Street Dawson Creek BC V1C 0A4	24-Hour	250-782-7700

4.3 RESIDENT INFORMATION

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

4.4 BUSINESS / PUBLIC FACILITY INFORMATION

Confidential business and public facility information will only be included in the main responders' Emergency Response Plans at the end of this Section, if applicable.

How to cross reference the surface developments labels on the ERP map with Resident and Organization lists:

- Surface developments (buildings / structures / public use) within subdivisions are referred to in the lists as the following:
 - Tumbler Ridge Heavy Industrial Park – TRI-# (e.g. TRI-1, TRI-2, etc.)
- All other surface developments are referenced as “map area, grid – number” (e.g. 93P3-1, 93I9-2, 93I15-1, etc.)

4.5 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

4.5.1 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.

4.5.2 MOUNTAIN MAN GUIDE OUTFITTER SERVICES

4.5.3 AREA LOGGING – WEST FRASER (2021 / 2022 LOGGING SEASON)

West Fraser is a logging company based out of Chetwynd, BC. Throughout the year they will have logging contractors, tree planting companies & their own personnel working in and around the Planning Zone as required.



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[illegible]

4.6 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
There are no school divisions affected by this ERP		

4.7 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	
Canlin Energy Corporation	Operators Camps at [REDACTED] Gas Plant	24 Hour	1-866-409-2744
		[REDACTED]	[REDACTED]
Cenovus	Wells and pipelines in the area	24 Hour	1-877-458-8080
Pieridae Energy	Area wells and pipelines	24 Hour	1-866-267-5298
Sukunka Natural Resources Inc.	Area wells and pipelines	24 Hour (CNRL)	1-888-878-3700
Tourmaline Oil Corp.	Wells and pipelines in the area	24-Hour	1-877-504-4252

4.8 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
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER



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REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER

Mountain Man Guide Services			

4.9 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			

4.10 FOREST MANAGEMENT AREA(S)

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.11 FIRST NATIONS / INDIGENOUS NATIONS

FIRST NATIONS COMMUNITY / SETTLEMENT

NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION
There are no known First Nations dwellings / communities located within or immediately adjacent to the EPZ.			

LOCAL INDIGENOUS NATION / BAND

NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION

SECTION 5: GATHERING SYSTEM INFORMATION

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5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	



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Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

[illegible]

5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

AREA	LOCATION	GOVT CODE	SUB	SOUR/ SWEET	STAT	EPZ (KM)	APPROX. DISTANCE TO NEAREST RESIDENT (KM)
						8.00	
						3.50	
						0.99	
						4.80	
						3.10	
						0.98	
						7.26	
						1.65	
						0.10	
						0.10	
						0.13	
						0.10	
						0.10	
						0.10	
						0.10	
						2.47	
						2.47	
						7.26	
						2.47	
						0.10	



EMERGENCY RESPONSE PLAN

Grizzly / Thunder / Ojay

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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 (BC) or CER Order Number	Accumap Number	Line	License e	Sub	Stat	From Location	From (Fac.)	To Location	To (Fac.)	OD (mm)	WT (mm)	MOP (kPa)	H2S (mol/ kmol)	Length (km)	H2S Rel Vol (m3)	Set EPZ (m)
																470
																980
																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.

If applicable, calculated EPZs for production assets are identified on the map as “yellow” shaded areas.

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

How to cross reference the surface developments labels on the ERP map with Resident and Organization lists:

- Surface developments (buildings / structures / public use) within subdivisions are referred to in the lists as the following:
 - [REDACTED] – [REDACTED]
- All other surface developments are referenced as “map area, grid – number” (e.g. [REDACTED], etc.)

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 if applicable:

- 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