



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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November 30, 2023

Canadian Natural Resources Limited
24 Hour Emergency Number

1-888-878-3700



EMERGENCY RESPONSE PLAN

Grizzly/ Thunder/ Ojay

Revision 17-0 | November 30, 2023

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)
2023/11/30 [Redacted]	17-0	<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		
2022/11/30 [Redacted]	16-0	<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		
2021/11/30 [Redacted]	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 [Redacted]	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 [Redacted]	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 [Redacted]	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 [Redacted]	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 [Redacted]	10-1	<ul style="list-style-type: none"> Incorporated additional information as required by the CER Added one recently acquired CER pipeline 	N		



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MANAGEMENT OF CHANGE 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: [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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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	BCER 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 Regulated Pipeline		Natural Gas Pipeline	
CER Regulated Pipeline		Natural Gas Pipeline	

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ALL HAZARDS IDENTIFICATION TABLE

Completed By: Area Field Operations & Emergency Management Tech

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT (Low / Med / High)	MITIGATION MEASURES 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	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<input checked="" type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release	Yes	Yes	Yes	Yes	Med	<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 checked="" 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>						<input type="checkbox"/> SCADA ESD <input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Emergency Response Plan <input type="checkbox"/> ESD Procedures <input type="checkbox"/> Emergency Planning Zone(s) <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Fire Extinguishers <input type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers <input type="checkbox"/> Other:	



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POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>Low / Med / High</i>	MITIGATION MEASURES 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	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			ACTIVE MITIGATIONS	
<p>Large Chemical Storage Hazards (CEPA – E2)</p> <p><input type="checkbox"/> <i>(large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)</i></p>						<input type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers <input type="checkbox"/> Fire Extinguishers <input type="checkbox"/> Industrial Firefighters <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Evacuation Zone <input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> ESD (Automatic Valves) Procedures <input type="checkbox"/> SCADA ESD	
						<p style="text-align: center;">PASSIVE MITIGATIONS</p> <input type="checkbox"/> Secondary Containment – earth berms, dikes <input type="checkbox"/> Separator / Surface Water Collection System <input type="checkbox"/> Vessel Protection Systems – PSVs, high level alarm	
<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>	Yes	Yes	Yes	Yes	Med	<input checked="" type="checkbox"/> SCADA ESD <input checked="" type="checkbox"/> CiNQ – Environment Conventional – Thermal Intranet Site: <i>spill reporting procedures / docs</i> <input checked="" type="checkbox"/> TDG / LPG Emergency Responsibilities <i>(Guideline 10, Corporate ERP)</i> <input checked="" type="checkbox"/> WCSS / Other Spill Cooperative Manual <input checked="" type="checkbox"/> WCSS / 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"/> Proper PPE <input checked="" type="checkbox"/> Communication Plans – Public / Media <input checked="" type="checkbox"/> Other: <i>CNRL Spill Response Trailer, FSJ Office</i>	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<input checked="" type="checkbox"/> Asset Fire	Yes	Yes	Yes	Yes	Low	<input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers	<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 <i>(municipal / provincial jurisdiction)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	Yes	High <i>(SMS Procedure 22.06)</i>	<input checked="" type="checkbox"/> ESD Procedures	<input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers
						<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"/> Spill Reporting Procedures
<input checked="" type="checkbox"/> On-Site Chemicals / Fuels <i>(at ERP's main facilities)</i>	n/a <i>(hazards contained within lease boundaries)</i>	n/a <i>(hazards contained within lease boundaries)</i>	n/a <i>(hazards contained within lease boundaries)</i>	Yes	Low	<input checked="" type="checkbox"/> SDS – accessible via online database, EOC, District offices	<input checked="" type="checkbox"/> Fire Extinguishers
						<input checked="" type="checkbox"/> Absorbent Materials	<input checked="" type="checkbox"/> Proper Storage
						<input checked="" type="checkbox"/> Proper PPE	<input checked="" type="checkbox"/> SMS COP: Storage, Handling, Use / Disposal of Harmful Substances
<input checked="" type="checkbox"/> Company Facility Isolation <i>(if access roads closed)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	Yes	Low	<input checked="" type="checkbox"/> Shelter / Evacuation Procedures	<input type="checkbox"/> Other Transportation Available – e.g. snowmobile, ATV, helicopter, boat, etc.
						<input checked="" type="checkbox"/> Area Work Alone Procedures	<input checked="" type="checkbox"/> Communication Plans
						<input type="checkbox"/> Other:	



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

1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1	[REDACTED]	Foreman	Tumbler Ridge Office	✓
2	[REDACTED]	Foreman (North Grizzly/ North Ojay)	Fort St. John Office	✓
3	[REDACTED]	Assistant Foreman	Tumbler Ridge Office	✓
4	[REDACTED]	Assistant Foreman (North Grizzly/ North Ojay)	Tumbler Ridge Office	✓
5	Grizzly North Plant	Facility	[REDACTED]	
6	Ojay Compressor	Facility	[REDACTED]	
7	Ojay Mole Sieve	Facility	[REDACTED]	
8	[REDACTED]	Area Superintendent	Fort St. John Office	✓
9	[REDACTED]	Manager, Fort St. John Field Operations	Calgary Office	
Electronic (CiNQ)	[REDACTED]	Area Safety & Compliance Coordinator	Fort St. John Office	
10	[REDACTED]	Surface Landman	Fort St. John Office	✓
11	Emergency Response Mobile Cart		Calgary Office	✓
12	Calgary Emergency Operations Centre (EOC)		Calgary Office [REDACTED]	✓
*(x6)	ERP maps for Roadblock Kits	Grizzly North Plant	[REDACTED]	
		Thunder Plant	[REDACTED]	
		Ojay Compressor	[REDACTED]	
		Ojay Mole Sieve	[REDACTED]	
		Ojay	[REDACTED]	
		Tumbler Ridge Office	[REDACTED]	

1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
13	CER – Hard Copy	Canada Energy Regulator	517 – 10 th Avenue SW Calgary, AB T2R 0A8
Flashdrive	CER – Electronic Copy		
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	British Columbia Energy Regulator	[REDACTED]
Email	Manager of Community Services	Peace River Regional District	P. O. Box 810 1981 Alaska Avenue Dawson Creek BC V1G 4H8 [REDACTED]
Email	Regional Fire Chief	Municipal District of Greenview	Box 1079 Valleyview, Alberta, Canada T0H 3N0 [REDACTED]
Email	North Zone Manager, Environmental Public Health	AHS – North Zone	[REDACTED]

<i>Flashdrive</i>	<i>Electronic copy on flashdrive</i>
<i>eSubmission</i>	<i>Electronic copy submitted via British Columbia Energy Regulator's online submission portal</i>
<i>Email</i>	<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/sustainability/workplace-process-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 #	--	[REDACTED]	24 Hour
Grizzly North Camp	[REDACTED]	[REDACTED]	Main Office. People on site at night.
Grizzly North Plant Office	[REDACTED]	[REDACTED]	Main Office. 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
Grizzly South Plant Office	[REDACTED]	[REDACTED]	Main Office
Ojay Camp Office	[REDACTED]	[REDACTED]	Main Office. 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
Ojay Camp	[REDACTED]	[REDACTED]	Camp Phone
Ojay North Plant	[REDACTED]	[REDACTED]	Main Office
Ojay Plant Office	[REDACTED]	[REDACTED]	Main Office
Thunder Plant Office	[REDACTED]	[REDACTED]	Main Office 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
CNRL FACILITIES (OTHER AREAS)			
Babcock Plant	[REDACTED]	[REDACTED]	Main Office
Bullmoose Plant Office	[REDACTED]	[REDACTED]	Main Office
Boulder Plant	[REDACTED]	[REDACTED]	Main Office
Mast Plant Office	[REDACTED]	[REDACTED]	Main Office
Murray River Plant Office	[REDACTED]	[REDACTED]	Main Office
Spieker Plant Office	[REDACTED]	[REDACTED]	Main Office
Tumbler Ridge Office	[REDACTED]	[REDACTED]	Main Office
West Bullmoose Plant Office	[REDACTED]	[REDACTED]	Main Office
Wolverine Plant Office	[REDACTED]	[REDACTED]	Main Office
MUTUAL AID: SUKUNKA NATURAL RESOURCES INCORPORATED (SNRI) FACILITIES			
Chetwynd Office	[REDACTED]	[REDACTED]	Main Office
		[REDACTED]	Conference Room
Kwoen Gas Plant	[REDACTED]	[REDACTED]	Kwoen #2
		[REDACTED]	Kwoen #2
Pine River Gas Plant	[REDACTED]	[REDACTED]	Main Office
		[REDACTED]	Control Room
		[REDACTED]	Emergency Response Room
Sukunka Plant	[REDACTED]	[REDACTED]	Lunch Room
West Sukunka Plant	[REDACTED]	[REDACTED]	Control Room



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DISTRICT OFFICE LOCATION	Fort St. John	
TELEPHONE NUMBERS	[REDACTED]	Business
	[REDACTED]	Fax
	[REDACTED]	On-Call Phone

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

OFFICE LOCATION	Fort St. John District Office	
STREET & MAILING ADDRESS	6744 – 100 Avenue Fort St. John BC V1J 8C5	
PHONE NUMBERS	[REDACTED]	Business
	[REDACTED]	Fax
	[REDACTED]	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	[REDACTED]	
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 for more information.
15	Businesses / Organizations	See Section 4 for more information.
6	Public Facilities / Recreational Areas	4 campsite/ recreation areas, 2 airstrips See Section 4 for more information.
9	Trappers / Guide Outfitters	8 trap lines, 1 guide outfitter. See Section 4
0	Grazing Leases / Reserves	None
0	Forest Management Areas	None
7	First Nations	See Section 4
Several	Lakes / Rivers	[REDACTED]
1	Public Highways	[REDACTED]
1	Other (Railway, logging, etc.)	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.

2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit		Operator's trucks
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/ operator's trucks
First Aid Room		
First Aid Station		
Fire Blanket		Operator's trucks
Firefighting Hand Tools (<i>e.g. shovels, axes, picks, hand pump water packs, etc</i>) - minimum requirements in place for different provinces (see Corp ERP, Section 2.2.4)		
Handheld Fire Extinguisher	2	Kept at main plant sites, operator's trucks
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 [REDACTED]
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. 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
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)	6	Grizzly North Plant - [REDACTED] Thunder Plant - [REDACTED] Ojay Compressor - [REDACTED] Ojay Mole Sieve - [REDACTED] Ojay [REDACTED] 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) (BC)

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

It is essential that Canadian Natural's Incident Commander or designate maintain communication with PRRD's 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; the fire dispatch center is located on Vancouver Island.

PRRD Facilities crews are available only to assist with PRRD-owned solid waste sites as well as water and Sewer systems.

Emergency Operations Centre

The PRRD Protective Services staff can open an EOC to assist with the establishment of a State of Local Emergency for evacuations and other orders.

MUNICIPAL DISTRICT OF GREENVIEW (AB)

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.

Local RCMP Detachments

The local RCMP detachments of Tumbler Ridge, Dawson Creek and Grande Prairie:

- 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 (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

Alberta Health Services

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.

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.		1-888-878-3700

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	EMERGENCY NUMBER
Pieridae Energy		1-866-267-5298

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	EMERGENCY NUMBER
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 as listed below, 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	EMERGENCY NUMBER
Canlin Energy Corporation		1-866-409-2744
Cenovus		1-877-458-8080

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 [redacted] To Grizzly North [redacted] :

- [redacted]
- [redacted]
- [redacted]

From [redacted] To Grizzly South [redacted] :

- [redacted]
- [redacted]
- [redacted]

From [redacted] To South Grizzly [redacted] :

- [redacted]
- [redacted]

From [redacted] To Thunder [redacted] :

- [redacted]
- [redacted]

From [redacted] To Thunder [redacted] :

- [redacted]
- [redacted]
- [redacted]
- [redacted]

From [redacted] To Ojay [redacted] :

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

From [redacted] To [redacted] :

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

2.1.7.2 Proximity To Nearest Urban Proximity To Nearest Urban Centre

To [redacted] :

From Grizzly North Plant: [redacted] km

From Grizzly South Plant: [redacted] km

From Thunder Plant: [redacted] km

From Ojay Plant: [redacted] km



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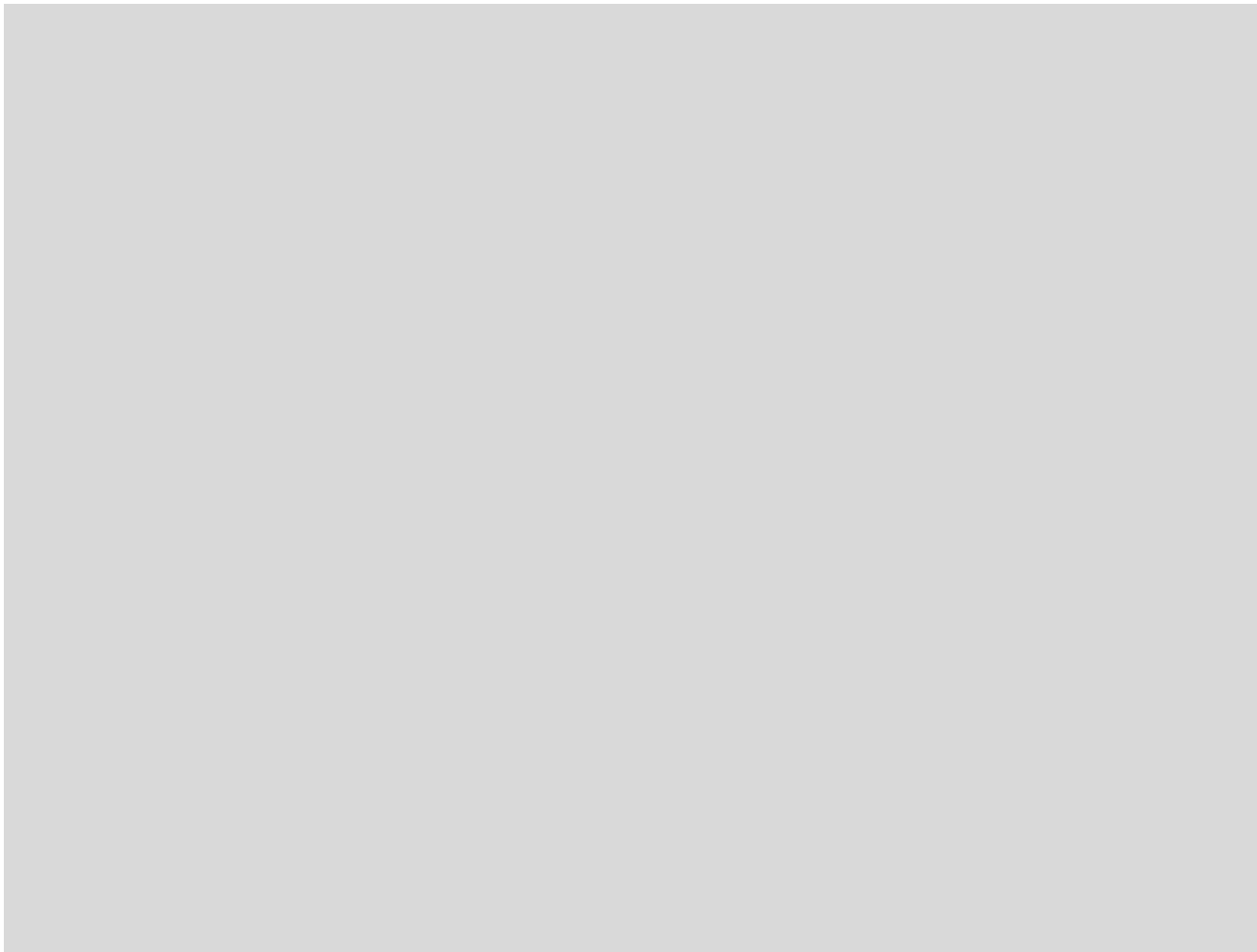
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2.1.7.3 Latitude and Longitude Coordinates

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





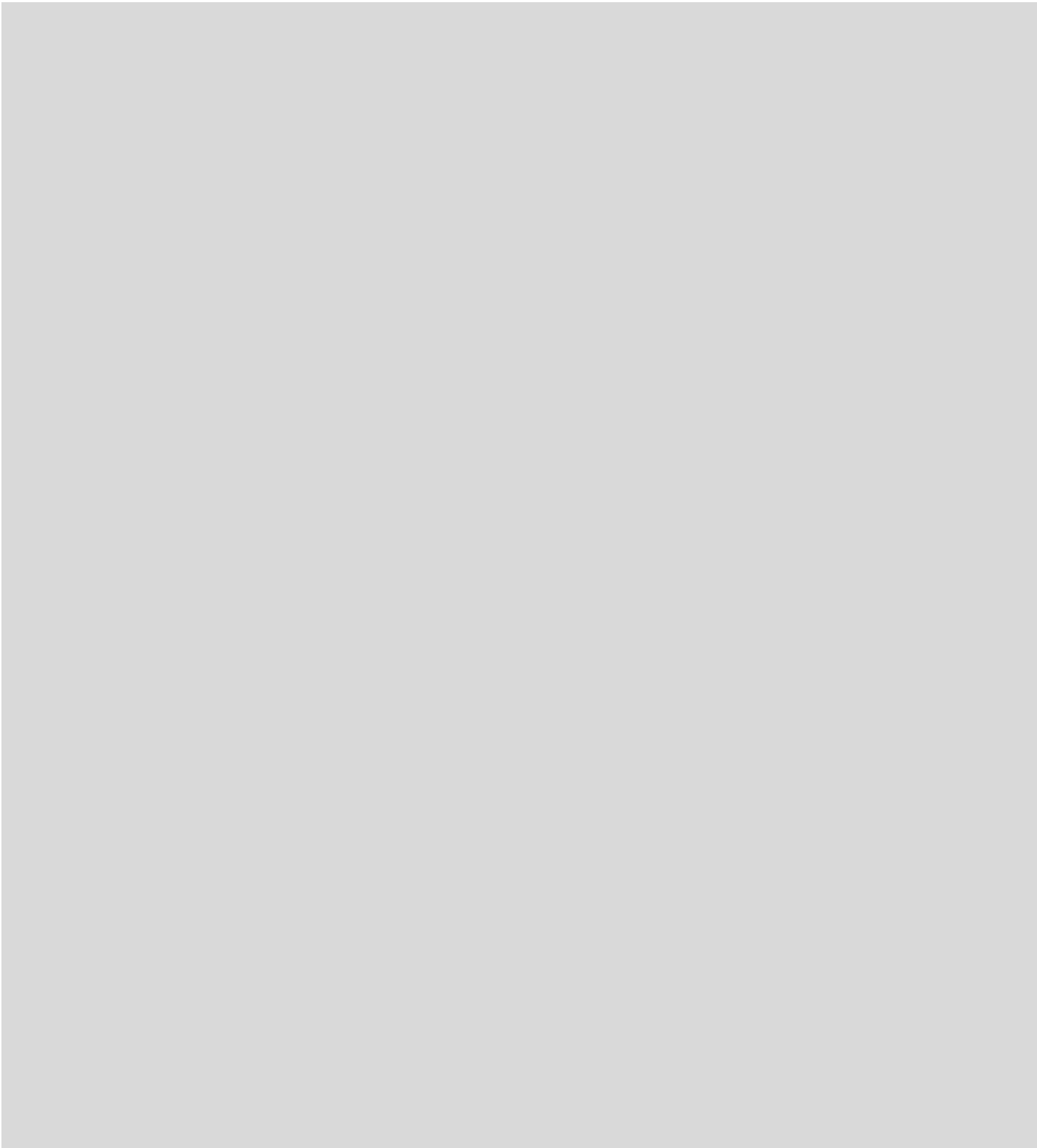
Canadian Natural

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2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT	TYPE	DESCRIPTION
Y	24-Hour Emergency Telephone Number	A 24-hour emergency number is posted at all facilities and pipeline crossings. Any operator, landowner or citizen can call to notify Canadian Natural of an emergency situation. On-call Canadian Natural personnel will take appropriate actions to manage the emergency.
Y	SCADA System	Supervisory Control and Data Acquisition (SCADA) – Electronic monitoring equipment on wells throughout the gathering system will transmit signals to a central control panel. SCADA systems trigger alarm and call-out systems and may have ESD capabilities.
Y	Alarm and Call-out Process	System monitoring equipment throughout facilities will trigger an alarm to an answering service that will use a call-out system to notify applicable operators.
N	Aerial Surveillance	Pipelines may be surveyed on a regular basis to detect leaks.
Y	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
Y	Operator Inspections	Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect.
N	24-Hour Manned Stations	Some Canadian Natural facilities are monitored 24 hours a day.
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	Two-way radios are installed in all operator trucks. If more portable radios are required, contact service providers listed in Contract Services – Communications Rental Equipment
Land Line	There are land lines 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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### 2.3.2.2 CNRL Road Frequencies

Ch. No	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N

### 2.3.2.3 CNRL Tumbler Voice Communication Channels

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

### 2.3.2.4 SNRI VHF Mobiles - [REDACTED]

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





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Ch. No	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N

### 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.



### SECTION 3: CONTACTS AND TELEPHONE LISTS

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3.3	ROAD CLOSURE CONTACTS .....	2
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3.7	TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS.....	5
3.8	MUNICIPAL GOVERNMENT CONTACTS.....	5
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3.10	CONTRACT SERVICES .....	7
3.10.1	Air Quality Monitoring (Mobile).....	7
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3.10.7	Ignition Services (Vapor Plume).....	8
3.10.8	Safety Services .....	9
3.10.9	Spill Response Services (inland) .....	9
3.10.10	Well Blowout Control.....	10
3.10.11	Western Canadian Spill Services (WCSS) Coop “9” BC .....	10
3.10.12	Western Canadian Spill Services (WCSS) Coop “5” AB .....	10



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## 3 CONTACTS AND TELEPHONE LISTS

### 3.1 COMPANY EMERGENCY CONTACTS

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

### 3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

NAME	LOCATION	TELEPHONE	
<b>BRITISH COLUMBIA</b>			
<b>FOR CER PIPELINE INCIDENTS, CALL:</b> <b>Transportation Safety Board (TSB)</b> <b>*TSB will contact CER</b>  <i>See Forms &amp; Guidelines section, Corporate ERP: Guideline 8: CER Event Reporting Guidelines</i>  <b>NOTE:</b> CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	<b>For "Immediately Reportable Events" within three (3) hours of discovery:</b> a) call TSB 24-Hour Reporting Hotline and b) report via OERS  <b>For all other events, within 24 hours of discovery:</b> a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>	24-Hour	1-819-997-7887
		<a href="https://apps.cer-rec.gc.ca/ers">https://apps.cer-rec.gc.ca/ers</a>	
<b>Emergency Management BC (EMBC)</b> <i>EMBC will contact BC Energy Regulator (BCER)</i> <b>Use this number to also verbally report an Environmental Emergency (E2)</b>  ----- <ul style="list-style-type: none"> <li>• <i>Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator</i></li> <li>• <i>Environment Canada notified by EMBC</i></li> </ul>	Province-Wide	<b>For all emergencies</b> <b>24-Hour Incident Reporting</b>	<b>1-800-663-3456</b>
		<b>* For E2 Emergency Reporting only:</b> <i>Single Window Information Management (SWIM)</i> <a href="https://ec.ss.ec.gc.ca">https://ec.ss.ec.gc.ca</a>	
Peace River Regional District	Dawson Creek BC	Toll-free	1-800-670-7773
Health Emergency Management BC (HEMBC)	Northern BC	<b>24-Hour Emergency On-Call</b>	
		Non-emergency inquiries only (HEMBC Director)	
RCMP – Dawson Creek Detachment	Fort St. John BC	24-Hour	9-1-1
RCMP – Tumbler Ridge Detachment	Tumbler Ridge, BC	24-Hour Emergency	250-242-5252



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

### 3.3 ROAD CLOSURE CONTACTS

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

	ROAD TYPE	AGENCY	TELEPHONE	
BC	Provincial Highway / Roads <i>(highways with 1, 2, 3 digits or local names)</i>	1. <b>RCMP / Local Police</b> – advise of situation / request presence	24-Hour	9-1-1
		2. <b>Traffic Management Centre BC</b> – advise of situation / pending roadblocks	24-Hour	1 866 707-7862
		3. <b>Highway Maintenance Contractor</b> – 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. <b>RCMP / local police</b> – advise of situation / roadblock locations; request presence  2. <b>Notify of closures as needed:</b> - for PDRs, notify BC Energy Regulator (BCER) directly - for forestry roads, notify Ministry of Forests, LNRORD Resource District office <b>SEE PROVINCIAL GOVERNMENT CONTACTS TABLE BELOW</b>	24-Hour	9-1-1



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

### 3.4 WATER INTAKE CLOSURE CONTACTS

** NOT APPLICABLE **

### 3.5 PROVINCIAL GOVERNMENT CONTACTS

NAME	LOCATION / DESCRIPTION		TELEPHONE
<b>BRITISH COLUMBIA</b>			
<b>BC Ambulance Service</b>	Emergency		9-1-1
	Areas where 9-1-1 is not available		1 800 461-9911
	Cellphone / SAT Phone / Outside BC		250 374-5937
<b>British Columbia Boiler Safety Association</b>	Report an Incident or Hazard (online reporting) <a href="https://portal.technicalsaftybc.ca/report-incident/incident-reporting-form">https://portal.technicalsaftybc.ca/report-incident/incident-reporting-form</a>		
<b>British Columbia Energy Regulator (BCER)</b>	<b>Emergency Coordination Centre</b>		<b>1 800 663-3456</b>
<b>Emergency Management BC (EMBC)</b>			
<b>Environment and Climate Change Strategy, Ministry of</b>	Spills or Environmental Emergencies		1 800 663-3456
	Report All Poachers and Polluters (RAPP)		1 877 952-7277
<b>Forests, Ministry of (Natural Resource Districts)</b>			
Mackenzie Natural Resource District (DMK)	Mackenzie	Main	250 997-2200
Peace Natural Resource District (DPC)	Dawson Creek	Main	250 784-1200
Prince George Natural Resource District (DPG)	Prince George	Main	250 614-7400
<b>Health Emergency Management BC (HEMBC)</b>	Northern BC	24-Hr Emergency On Call	
<b>Ministry of Public Safety &amp; Solicitor General</b>	Public Safety & Emergency Services Wildfire Reporting		1 800 663-5555 Cell: *5555
<b>WorkSafe BC</b> <i>(applicable BU/Group Safety Lead)</i>	Province-Wide	Worksite Emergency 24-Hr	1-888-621-7233

NAME	LOCATION	TELEPHONE	
<b>ALBERTA</b>			
<b>Alberta Boilers Safety Association (ABSA)</b> <i>Report an Incident (online reporting)</i>	<a href="https://www.absa.ca/unsafe-condition-accident-fire-reporting/report-an-incident/">https://www.absa.ca/unsafe-condition-accident-fire-reporting/report-an-incident/</a>		
<b>Alberta EDGE – Center for TDG</b> <i>(Environmental and Dangerous Goods Emergencies)</i>	Province-Wide	24-Hour	1-800-272-9600
<b>Alberta Emergency Management Agency (AEMA)</b> <i>Provincial Operations Centre (POC)</i>	Province-Wide	24-Hour	1-866-618- 2362
<b>Alberta Energy Regulator (AER)</b>	Energy & Environmental Emergency or Complaint	24- Hour	1-800-222-6514



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NAME	LOCATION	TELEPHONE	
<b>ALBERTA</b>			
* notify when blocking petroleum development and / or forestry roads			
<b>Alberta Environment and Protected Areas</b> * notify when blocking roads through or adjacent to Crown Land			
<b>Alberta Environment and Protected Areas</b> Parks Fish and Wildlife Land Water	Report a Poacher	24-Hour	1-800-642-3800
		Telus Mobile	#3800
	Report a Wildfire	24-Hour	310- 3473 (FIRE)
<b>Alberta Health Services</b>	Province-Wide	24-Hour	
		Email	
<b>Alberta Transportation</b> Provincial Highway Road Closures Support 1. call 9-1-1 / RCMP 2. call nearest Region / District Office  Highway maintenance contractors are responsible for maintenance activities including highway patrolling and emergency duties  <b>Road &amp; Weather Conditions:</b> 511.alberta.ca	Grande Prairie District Office	Grande Prairie	780 538-5310
<b>Occupational Health &amp; Safety</b> (applicable BU / Group Safety Lead)	Province-Wide	24-Hour	1-866-415-8690
<b>Workers' Compensation Board</b>	Province-Wide	24-Hour	1-866-922-9221

### 3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE NUMBER	
<b>BRITISH COLUMBIA</b>			
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 Office	9-1-1 250-242-3939



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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

### 3.7 TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS

<ul style="list-style-type: none"> <li>• <b>TDG Incident Reporting</b> <ul style="list-style-type: none"> <li>○ FOR AB: contact a) 9-1-1 and b) Alberta EDGE 1-800-272-9600</li> <li>○ FOR BC: contact a) 9-1-1 and b) EMBC 1 800 663-3456</li> <li>○ FOR MB: contact a) 9-1-1 and b) Environmental Accidents 1 855 944-4888</li> <li>○ FOR SK: contact a) 9-1-1 and b) Spill Control Centre 1 800 667-7525</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>• <b>CNRL LPG Incident Reporting (Propane &amp; Butane)</b> – contact a) 9-1-1 and b) ERAC 1 800 265-0212 * provide Canadian Natural ERAP Number: <span style="background-color: #cccccc; padding: 0 20px;"> </span></li> </ul>	
<ul style="list-style-type: none"> <li>• <b>CANUTEC (all instances)</b> * provides dangerous goods interaction guidance and technical information to responders. DOES NOT offer emergency response services</li> </ul>	1 888 226-8832 (toll free) 613 996-6666 (call collect) 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

### 3.9 FEDERAL GOVERNMENT CONTACTS

NAME	LOCATION	CONTACT INFORMATION	
<b>FOR CER PIPELINE INCIDENTS, CALL:</b> <b>Transportation Safety Board (TSB)</b> *TSB will contact CER  <i>See Forms &amp; Guidelines section, Corp ERP:            Guideline 8: CER Event Reporting Guidelines</i>	<b>For “Immediately Reportable Events”            within three (3) hours of discovery:</b> a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour	1-819-997-7887
	<b>For all other events, within 24 hours of            discovery:</b> a) report via OERS  <i>If OERS is unavailable, report by calling            TSB 24-Hour Reporting Hotline</i>	<a href="https://apps.cer-rec.gc.ca/ers">https://apps.cer-rec.gc.ca/ers</a>  <a href="https://apps.cer-rec.gc.ca/ers">https://apps.cer-rec.gc.ca/ers</a>	
<b>NOTE:</b> CER = Canada Energy Regulator OERS = CER’s Online Event Reporting System			
<b>Canadian Nuclear Safety Commission</b>  <ul style="list-style-type: none"> <li>• any accident involving nuclear reactor, nuclear fuel facility or radioactive materials</li> </ul>	<b>Duty Officer – emergency line</b>	24-Hour	1 613 995-0479



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NAME	LOCATION	CONTACT INFORMATION	
<ul style="list-style-type: none"> <li>lost or damaged radioactive materials</li> <li>any threat, theft, smuggling, vandalism or terrorist activity involving nuclear facility or radioactive materials</li> </ul>	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 - <i>For emergencies where First Nations and Indigenous reserves are within the EPZ</i> 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
Indigenous Services Canada (ISC) Aboriginal Affairs & Northern Development Canada	Toronto Office	Toll Free	1-800-567-9604
NAV Canada – Flight Info Centre (FIC) <b>To issue a NOTAM, have ready (if possible):</b> - 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	
<b>3.10.1 AIR QUALITY MONITORING (MOBILE)</b>			
Emergency Management BC/ British Columbia Energy Regulator <i>(contact if no contract services are available)</i>	Province-Wide, BC	24-Hour	1-800-663-3456
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Trojan Safety Services	BC, AB, SK	24-Hour FSJ	250 785-9557
		24-Hour GP	780 567-3440

<b>3.10.2 AIRCRAFT (FIXED WING) CHARTERS</b>	<b>CONTACT CORPORATE TRAVEL</b>
----------------------------------------------	---------------------------------

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.3 COMMUNICATIONS RENTAL EQUIPMENT</b>			
Petron Communications	Fort St. John	Main	250-785-3333
T & T Communications	Fort St. John	Main	250-785-0310

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.4 DRONE / UAV OPERATORS</b>			
Hummingbird Drones	Fort St. John (satellite office)	250-857-5411 info@hummingbirddrones.ca	
Infinity Drones	Fort St. John	250-787-5110 aaron@infinitydronesinc.com	
Northern Drone Services	Fort St. John	250-512-7688 northerndrone.ca	
Roy Northern Land & Environmental	Fort St. John	250-261-6644 info@roynorthern.com	

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.5 FRESH WATER HAULING</b>			
Avalanche Trucking Ltd	Tumbler Ridge <i>- potable &amp; fresh water</i>	24 hr dispatch	250-242-4774
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 &amp; fresh water</i>	24 hr dispatch	250-785-5435





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

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.7 IGNITION SERVICES (VAPOR PLUME)</b>			
<b>** CONTACT Service Provider to get accurate Staging Area ETA **</b>			
Firemaster Oilfield Services Inc.	<b>Equipment Location:</b> - Blackfalds (for central/south AB) - Grande Prairie (for central/north AB & BC) <b>Best ETA to Area:</b> ██████████	24-Hour	1-403-342-7500
	<b>Equipment:</b> H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment <b>Services:</b> ignition services - trailers dispatched with ignition certified Senior Hands		
Safety Boss Services	<b>Equipment Location:</b> - Edmonton, Fort St. John <b>Best ETA to Area:</b> ██████████	24-Hour	1-800-882-4967
	<b>Equipment:</b> safety flares & handheld pistols loaded onto H2S safety trailers as req'd *no remotely activated equipment <b>Services:</b> ignition services - trailers dispatched with ignition certified personnel		
Trojan Safety Services	<b>Equipment Location:</b> 90% in Grande Prairie <b>ETA to Area:</b> ██████████	24-Hour FSJ	250 785-9557
	<b>Equipment:</b> H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment <b>Services:</b> ignition services - trailers dispatched with ignition certified Safety Supervisors	24-Hour GP	780 567-3440
United Safety Ltd.	<b>Equipment Location:</b> - Fort McMurray, Fort Saskatchewan, Fort St. John, Grande Prairie, Lloydminster <b>Best ETA to Area:</b> ██████████	24-Hour	1-800-432-1809



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COMPANY	LOCATION	TELEPHONE NUMBER
	<b>Equipment:</b> H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment <b>Services:</b> ignition services - trailers dispatched with ignition certified Safety Supervisors <b>Location (Equipment):</b> Grande Prairie, Fort Saskatchewan, Fort St. John, Fort McMurray, Lloydminster	

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.8 SAFETY SERVICES</b>			
Brogan Safety - SO ₂ monitors, etc	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Grande Prairie	780-539-9004
		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
United Safety Ltd.	BC, AB	24-Hour	1-800-432-1809

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.9 SPILL RESPONSE SERVICES (INLAND)</b>			
Clean Harbors	North America	24-Hour	1-800-645-8265
Gen7 Environmental Solutions	AB, SK	24-Hour	780-542-3676
Goodlands Environmental	MB, SK	Main	204 634-2245
		After Hrs	306 482-8151
North Shore Environmental Consultants	BC, AB, SK (small scale)	24-Hour	1-855-700-6732
QM Environmental	BC, AB, SK, MB	24-Hour	1-877-378-7745
Matrix Solutions Inc.	BC, AB, SK, MB	Main	1 877 774-5525
Roy Northern Land and Environment	BC, AB	Fairview	780-835-2682
		FSJ	250-261-6644
		Terrace	250-635-6973
Rapid Response Industrial Group	Canada-wide	24-Hour	1-844-774-4911
SWAT Consulting	Canada-wide	24-Hour	1-866-610-7928
Western Canadian Spill Services (WCSS)	See WCSS section		



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COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.10 WELL BLOWOUT CONTROL</b>			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Inc.	BC, AB	24-Hour	1-800-882-4967

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "9" BC</b> <b>24-HOUR EMERGENCY CONTACT 1-866-541-8888</b> <i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
<b>Jason MacMillan, Clean Harbors</b> Regional Custodian	<b>Equipment Location:</b> Clean Harbors Surface Rentals 6715 - 85 th Avenue Fort St. John, BC V1J 4J3  <b>Equipment Summary (Transport Requirements):</b> • 52' OSCAR Trailer (semi-truck) • 40' Boom Cache Sea Can (winch tractor/trailer) • 20' Wildlife Sea Can (winch tractor/trailer) • Single Engine Barge (1-ton truck w/ 2-5/16" ball hitch & electric brakes) • Work Boat (1/2-ton truck w/ 2" ball hitch) • Drum Skimmer w/ Power Pak (1/2-ton truck) • 400' Shallow Water Boom (1/2-ton truck)	Cell	250-224-7925
		Office 24-Hour	250-785-4577
<b>Troyer Ventures Ltd</b> Co-op Custodian	<b>Equipment Location:</b> 4850 - 46 Avenue Fort Nelson, BC V0C 1R0  <b>Equipment Summary (Transport Requirements):</b> • 20' ISRU Sea Can (winch tractor/trailer) • Work Boat (1/2-ton truck w/ 2" ball hitch)	24-Hour	250-774-5332

<b>3.10.12 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "5" AB</b> <b>24-HOUR EMERGENCY CONTACT 1-866-541-8888</b> <i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
<b>Clean Harbours</b> Regional Custodian	<b>Equipment Location:</b> 9601 – 156 Avenue Grande Prairie, AB	Phone	780-785-4577
		Cell	250-224-7925
<b>ARC Resources Ltd (South of GP)</b> Co-op Custodian	<b>Equipment Location:</b> Archie Warehouse 07-04-064-05W6	24-Hour	587-343-5824
<b>Pembina Pipelines</b> Co-Op Custodian	<b>Equipment Location:</b> Pembina Valleyview Pump Station 12-10-69-22-W5M	24-Hour	780-524-3938
		Alt Contact Cell Dwayne Jones	780-524-8877
<b>Pgi Processing Ulc,</b> Michael Doerksen Co-op Custodian	<b>Equipment Location:</b> 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



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COMPANY	LOCATION	TELEPHONE NUMBER	
<b>Avenge Energy Services Inc.</b> Co-op Custodian	<b>Equipment location:</b> #21 Cessna Road, Airport Industrial Park Westhill Peace River, AB T8S 1S1	24-Hour	780-617-0555
<b>Silver Peak Services</b> Martin Danny Co-op Custodian	<b>Equipment location:</b> Grande Cache – 97 Street & Hoppe Avenue	24-Hour	780-827-4776
		Cell	780-827-8739

**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 / ORGANIZATION INFORMATION

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

### 4.4 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

#### 4.4.1 LOCATING TRANSIENTS AND RECREATIONAL USERS

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

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

#### 4.4.2 ISOLATION OF EPZ PROCEDURES

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

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

FEATURE TO BE CLOSED	TYPE OF CLOSURE REQUIRED	AGENCY TO CONTACT	CONTACT INFO SECTION
- Major highways (1, 2 or 3 digit highways) - Other public roads	Notification only	See Section 3.3 Road Closure Contacts	
- for other licensee petroleum development roads (PDRs) and / or forestry roads	Dispatch roadblocks & notification only	See Section 3.3 Road Closure Contacts	
Restricted Area	Fire Hazard (FH) Order	Provincial regulator	Section 3.2 Mandatory Notifications
Restricted Area	Local State of Emergency	Local Municipality	Section 3.2 Mandatory Notifications
Navigable Water Courses	Closure	Local Municipality, 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

#### 4.4.3 MOUNTAIN MAN GUIDE OUTFITTER SERVICES

#### 4.4.4 ARGO ROAD MAINTENANCE

*If the emergency's EPZ extends across or restricts access and egress to provincial highways:*

**Argo Road Maintenance – contact immediately at Level 1 (to initiate their ERP / find & notify personnel)**

**24 HOUR EMERGENCY # 1-800-663-7623**



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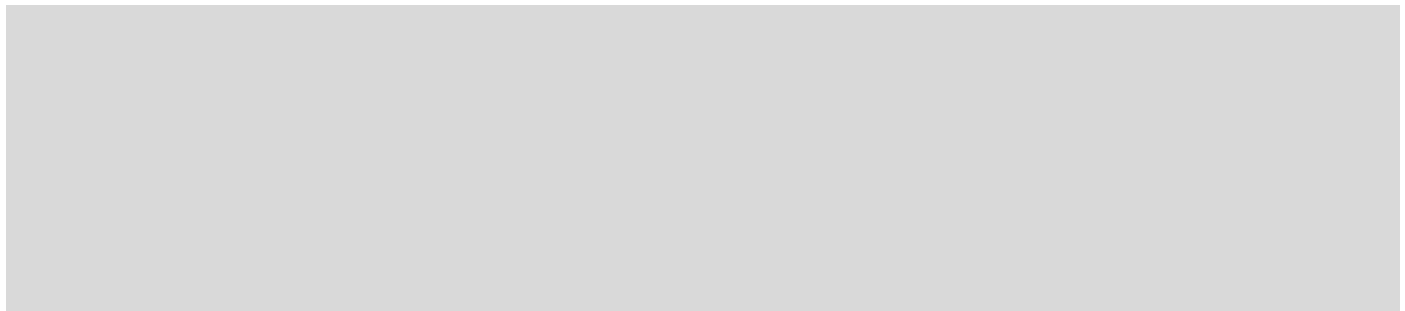
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### 4.4.5 AREA LOGGING – WEST FRASER (2023/ 2024 LOGGING SEASON)

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.

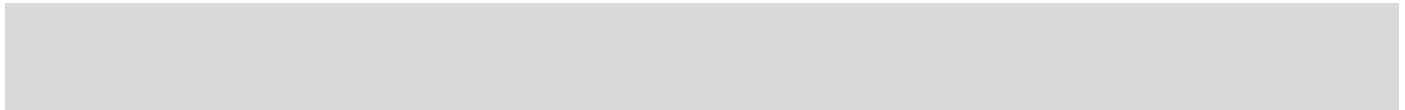
**CONTACT IMMEDIATELY AT LEVEL 1** – to contact / determine locations / initiate ERP:



### 4.4.6 TUMBLER RIDGE GLOBAL GEOPARK AND WOLVERINE NORDIC AND MOUNTAIN SOCIETY (WNMS)

The Tumbler Ridge Geopark is a UNESCO Global Geopark, working with the Wolverine Mountain Nordic Society (WNMS) to promote tourism and research in the Tumbler Ridge area. This area may be used for public tours, scientific research, events and recreation. The Geopark covers an extensive area (8478 square kilometers) around the community of Tumbler Ridge and is based out of the Tumbler Ridge Visitors Centre.

In the event of an emergency in the area the primary contacts are:



### 4.4.7 RADIO CONTROLLED ROADS

Inbound Calls = "Up"		Outbound Calls = "Down"	
ERP MAP LABEL	ROAD NAME	RADIO CHANNEL	RADIO FREQUENCY





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Inbound Calls = "Up"		Outbound Calls = "Down"	
ERP MAP LABEL	ROAD NAME	RADIO CHANNEL	RADIO FREQUENCY

### 4.5 SCHOOLS DIVISION(S) / SCHOOL(S)

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

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

### 4.6 INDUSTRIAL OPERATOR(S)

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

INDUSTRIAL OPERATOR NAME	OPERATIONS DESCRIPTION	TELEPHONE NUMBER	
Canlin Energy Corporation	Wells and pipelines in the area	24 Hour	1-866-409-2744
		Gas Plant	
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



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### 4.7 TRAPPERS / GUIDE OUTFITTERS

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

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		



Canadian Natural

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REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		

### GUIDE OUTFITTER

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]	[REDACTED]	[REDACTED]
	[REDACTED]		

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

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

#### Land Use Disposition Types

<b>FDL</b>	Farm Development Lease	<b>GRP</b>	Grazing Permit	<b>GRL</b>	Grazing Lease
<b>FGL</b>	Forestry Grazing License	<b>GRR</b>	Provincial Grazing Reserve		

REGISTERED AREA	CONTACT NAME	CONTACT NUMBER	COMMENTS / NOTES
N/A			

### 4.9 FOREST MANAGEMENT AREA(S)

REGISTERED AREA	CONTACT NAME	CONTACT NUMBER	COMMENTS / NOTES
N/A			

### 4.10 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	

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



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### 5.1.2 EMERGENCY CONTROL SYSTEMS

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



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

### 5.2.2 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

**NOTES:** • No facility information required for this plan





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### 5.2.3 PIPELINE RELEASE VOLUMES 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.

**NOTES:** • Pipelines are sorted by From Location

Provincial LICENSE --- CER Order Number	Line	Licensee	Sub	Stat	From Location	From (Fac.)	To Location	To (Fac.)	OD (mm)	WT (mm)	MOP (kPa)	H2S (mol/ kmol)	Length (km)	H2S Rel. Vol. (m3)	Set EPZ (m)
															100
															980
															980

### 5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

**NOTES:** • No facility information required for this plan



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## SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

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6.2	PUBLIC INFORMATION PACKAGE.....	1

## 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.

### 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