

SHEKILIE / PESH CREEK

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

DISCLAIMER:

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

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

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March 31, 2023

Canadian Natural Resources Limited 1-888-878-3700 24 Hour Emergency Number



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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)		
2023/03/31	15-0	Reviewed and updated gathering system and contact information where applicable	Y				
2022/04/01	14-0	Reviewed and updated gathering system and contact information where applicable	Υ				
2021/03/31	13-0	Revised using new templateAll information reviewedMaps revised and updated	Y				
2020/03/31	12-0	All information reviewed and revised as necessary	Y				
2019/03/29	11-0	Pesh Creek information added to ERP All information reviewed and revised as necessary	Y				
2018/03/29	10-0	All information reviewed and revised as necessary	Y				
2017/03/31	9-0	Added All Hazards Table	Υ				



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The Shekilie / Pesh Creek ERP is Supplemental to Canadian Natural's Corporate (Core) ERP and covers the following:

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ERP ID
Shekilie		Compressor Station – Rendered Safe and shut - in	BCER ERP ID:
Shekilie		Shut-In CER pipeline	
Pesh Creek		CER regulated pipeline	

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Αl	LL HAZARDS IDENTIFICATION TABLE1						
1	SITI	E-SPECIFIC DISTRIBUTION LIST	.5				
	1.1	INTERNAL COPIES	. 5				
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COMPANY

ASSETS

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HAZARD IMPACTS:

LAND USE

AREAS

ENVIRONMENT

WILDLIFE /

LIVESTOCK

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PUBLIC

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ALL HAZARDS IDENTIFICATION TABLE

POTENTIAL

HAZARD

Hydrogen Sulphide (H₂S) Release

High Vapour Pressure (HVP) Pipeline

(pipelines that convey

hydrocarbon mixtures in

the liquid or quasi-liquid

state with a vapour pressure of greater than

110 kPa absolute at

Release

38°C)

Completed By:						
RANK HAZARD IMPACT (Low / Med / High)	MITIGATION MEASURES AVAILABLE / NEEDED (Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site- Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems) CONTROLS / EQUIPMENT / RESOURCES					
	Personal Gas Monitor Portable Gas Detector SCBA SABA ESD Procedures Ignition Resources – Equipment Ignition Resources – Service Provider Roadblock Kit(s) Communication Plans – Public / Media SCADA ESD Other:					
	□ SCADA ESD □ Evacuation Procedures □ Roadblock Kit(s) □ Communication Plans – Public / Media					

Emergency Response Plan

Emergency Planning Zone(s)

Ignition Resources - Equipment

packs, wheeled extinguishers

Ignition Resources – Service Provider

ESD Procedures

Fire Extinguishers

Other:

Firefighting Equipment – e.g. shovels, axes, picks, water



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		HAZARD II	MPACTS:		RANK	MITIGATION MEASURES AVAILABLE / NEEDED (Fundamental Reference Materials: SMS Section 22 / Safety Data
POTENTIAL	ENVIRO		ONMENT		HAZARD IMPACT	Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific
HAZARD	PUBLIC	LAND USE AREAS	WILDLIFE / LIVESTOCK	COMPANY ASSETS	Low/Med/	Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)
		AREAS	LIVESTOCK		High	CONTROLS / EQUIPMENT / RESOURCES
						ACTIVE MITIGATIONS
						Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers
						Fire Extinguishers
Large Chemical						☐ Industrial Firefighters
Large Chemical						Roadblock Kit(s)
Storage Hazards						Communication Plans – Public / Media
(CEPA – E2)						☐ Ignition Resources – Equipment
(large active storage						☐ Ignition Resources – Service Provider
vessels for NGLs, LPGs, LNGs,						Evacuation Zone
condensate, crude oil,						Evacuation Procedures
hydrochloric acid,						☐ ESD (Automatic Valves) Procedures
pentanes, etc.)						□ SCADA ESD
						PASSIVE MITIGATIONS
						☐ Secondary Containment – earth berms, dikes
						□ Separator / Surface Water Collection System
						□ Vessel Protection Systems – <i>PSVs, high level alarm</i>
						□ SCADA ESD
Petroleum Release /						☐ TDG / LPG Emergency Responsibilities (Guideline 10, Corporate ERP)
Spill						
(on land or in water,	Yes (Trappers)	YES	YES	YES	Low	
— includes all types of	res (Trappers)	163	163	TES	LOW	☐ Boom(s)
petroleum spills, gas releases, flammable						☐ Absorbent Material
vapours releases)						⊠ Roadblock Kit(s)
'						☑ Proper PPE
						☐ Communication Plans – Public / Media
						Other:



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	HAZARD IMPACTS:				RANK	MITIGATION MEASURES AVAILABLE / NEEDED	
POTENTIAL		ENVIR	ENVIRONMENT		HAZARD	(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)	
HAZARD	PUBLIC	LAND USE WILDLIFE / AREAS LIVESTOCK		COMPANY ASSETS	IMPACT Low / Med / High		
					1.19.1	CONTROLS / EQUIPMENT / RESOURCES	
						Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers	
						Fire Detection System (facilities)	
	Yes (Trappers)	YES	YES	YES	Low	⊠ Roadblock Kit(s)	
	()	. = 0	0			☐ Communication Plans – Public / Media	
						☐ Other:	
	n/a (municipal / provincial jurisdiction)	n/a (municipal / provincial jurisdiction)	n/a (municipal / provincial jurisdiction)	YES	High (SMS Procedure 22.06)	Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers	
Wildfire						Fire Extinguishers	
🛛 (can include grassfires,						☐ Site Specific Wildfire Plans	
forest fires)							
						☐ Transportation Available	
						☑ Provincial Wildfire Reporting Contact Numbers	
On Cita Chaminala /						SDS – accessible via online database, EOC, District offices	
On-Site Chemicals /	n/a	n/a	n/a		Low	Fire Extinguishers	
	(hazards contained	(hazards contained within lease	(hazards contained within lease	YES	LOW	Absorbent Materials	
(at ERP's main facilities)	within lease boundaries)	boundaries)	boundaries)				
						✓ Proper PPE✓ SMS COP: Storage, Handling, Use / Disposal of Harmful	
						SMS COP: Storage, Handling, Use / Disposal of Harmful Substances	
						Shelter / Evacuation Procedures	
Company Facility	n/a	n/a	n/a	\/F0		Other Transportation Available – e.g. snowmobile, ATV, helicopter, boat, etc.	
	(not EPZ related)	(not EPZ related)	(not EPZ related)	YES	Low		
(if access roads closed)						□ Communication Plans	
						☐ Other:	



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		HAZARD IMPACTS:				RANK	MITIGATION MEASURES AVAILABLE / NEEDED (Fundamental Reference Materials: SMS Section 22 / Safety		
	POTENTIAL		ENVIRONMENT			HAZARD	Data Sheets (SDS) / ERP Manual / Emergency Response Guide		
	HAZARD	PUBLIC	LAND USE	WILDLIFE / LIVESTOCK	COMPANY ASSETS	IMPACT Low / Med / High	/ Guide to Safety & Compliance / First Responder's Guide / Site- Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)		
						ŭ	CONTROLS / EQUIPMENT / RESOURCES		
							☐ Landlines ☐ Cell phones		
	Communications	,	,	,			⊠ Cell phones □ 2-Way Radios		
\boxtimes	Failure	n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	2-Way Radios 2-Way Radios – Service Provider		
	i aliule	(not 21 2 Tolatou)	(not Er 2 rolatou)	(not 21 2 rolated)			☐ Internal Communication / Notification System		
							Other:		
							☐ Back-up generator(s)		
	Power Outages	n/a	n/a	n/a	YES	Low			
1		(not EPZ related)	(not EPZ related)	(not EPZ related)			Other:		
	Severe Weather /						□ Communication Advisory		
	Natural Disasters								
	(includes severe storms,	n/a	n/a	n/a	VE0		Area Working Alone Procedures		
\boxtimes	blizzards, tornadoes,	(not EPZ related)	(not EPZ related)	(not EPZ related)	YES	Low	Shelter / Evacuation Procedures		
	earthquakes, floods,					Pumps			
	landslides)						Other:		
							□ Back-Up Resources for Continued Operations		
	Pandemic	n/a	n/a	n/a	YES	Low			
	(reduced workforce)	(not EPZ related)	(not EPZ related)	(not EPZ related)	. 20	2011	Canadian Natural Pandemic Protocols – Human Resources		
	Security Threats	,		,			⊠ Roadblock Kits		
\boxtimes		n/a (not EPZ related)	n/a (not EPZ related)	n/a (not EPZ related)	YES	Low	☐ Communication Plans – Public / Media		
	violence / terrorism)	(not El 2 lolatou)	(not El 2 leiatea)	(not El 2 loiatea)					
							☐ Information Systems: Disaster Recovery Principles		
	Other								



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1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

СОРҮ	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (*)
1		Foreman	Fort Nelson Office	✓
2		Assistant Foreman	Helmet Office	✓
3		Assistant Foreman	Helmet Office	✓
4		Area Superintendent	Fort St. John Office	✓
5		Manager, Fort St. John Field Operations	Calgary Office	
Electronic (CiNQ)		Safety & Compliance Coordinator	Fort St. John Office	
6		Area Landman	Fort St. John Office	✓
7	Emergency Response Mobile Cart		Calgary Office	✓
8	Calgary Emergency Operations Centre (EOC)		Calgary Office BHE 26002	✓
*	ERP Map(s) for Roadblock Kit(s)		Base Camp	



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1.2 EXTERNAL COPIES

COPY#	RECIPIENT	ORGANIZATION	LOCATION
9	CER – Hard Copy	Canada Energy Regulator	517 – 10 th Avenue SW
Flashdrive	CER – Electronic Copy	Canada Energy Negulator	Calgary, AB T2R 0A8
10	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	
Email	Emergency Program Coordinator	Northern Rockies Regional Municipality	
Email	Fred Wiebe	Mackenzie County	
Email	North Zone Manager, Environmental Public Health	AHS – North Zone	

Flashdrive	Electronic copy on flashdrive
eSubmission	An electronic copy submitted via BCER's online submission portal
Email	Electronic copy provided by email

EXTERNAL ERP DISTRIBUTION DISCLAIMER:

Site-Specific ERPs are forwarded electronically while the Corporate ERP can be found on our website here: https://www.cnrl.com/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	Shekilie	I
PHONE NUMBERS	NUMBER	DESCRIPTION
PHONE NUMBERS	N/A	Office

DISTRICT OFFICE LOCATION	Fort St. John		
PHONE NUMBERS	NUMBER	DESCRIPTION	
	250-785-3085	Office	
	250-785-3055	Fax	
		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	Same as above	
	250-785-3085	Office
PHONE NUMBERS	250-785-3055	Fax
		On-Call Phone

2.1.3 SAFE LOCATIONS

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



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2.1.4 GENERAL LAND USE AND POPULATION DENSITY

Local Munic	Municipality Northern Rockies F Mackenzie County		Regional Municipality (BC) (AB)
Area Land Use Agriculture, Forestr		Agriculture, Forest	ry, Tourism and Oil and Gas Operations
		POPULATIO	ON DENSITY (WITHIN EPZ)
NUMBER	т	YPE	DESCRIPTION
0	Residences		N/A, see Section 4
0	Businesses / Organizations		N/A, see Section 4
0	Public Facilities / Recreational Areas		N/A, see Section 4
3	Trappers / Guid	e Outfitters	See Section 4
0	Grazing Leases	/ Reserves	N/A, See Section 4
0	Forest Manager	ment Areas	N/A, See Section 4
2	First / Indigenous Nations		See Section 4
0	Lakes / Rivers		
0	Public Highways	S	
0	Other (Railway,	logging, etc.)	



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2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit		
Eye Wash Station – 1 litre bottle		
Eye Wash Station – 15 min flow		
First Aid Kit		
First Aid Room		
First Aid Station		
Fire Blanket		
Firefighting Hand Tools (e.g. shovels, axes, picks, hand pump water packs, etc) - minimum requirements in place for different provinces (see Corp ERP, Section 2.2.4)		
Handheld Fire Extinguisher		
Ignition Equipment		
Personal Gas Monitor	1	Each operator has one
Portable Gas Detector	1	Each Operator has one
Portable Spill Response Kit		
Self-Contained Breathing Apparatus (SCBA)		
Spill Response Trailer	0	Nearest CNRL Trailer(s): -16ft spill response trailer located at
Supplied Air Breathing Apparatus (SABA)		
Wheeled Fire Extinguisher (150 - 300 lb)		



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2.1.5.2 Roadblock (EPZ Isolation) Equipment

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

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



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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

Northern Rockies Regional Municipality - BC

- In the event of a major emergency in the Northern Rockies Regional Municipality, the Emergency Response Plan (ERP) and the Emergency Operations Centre (EOC) will be activated.
- The EOC will be established in order to facilitate and mange coordinated response and recovery operations and to support emergency response personnel in the field.
- It is the EOC where coordination and decisions are facilitated and where all official communications regarding the emergency will originate.

Mackenzie County – AB

During an emergency, Mackenzie County will open its own Emergency Operations Centre (EOC) if deemed necessary. The County will be responsible for any state of local emergency declaration if required. Mackenzie County will send a representative to the impacted area if needed.

Emergency Services / Equipment:

Fire Services

There are three volunteer Fire Departments in Mackenzie County. They are located in La Crete (includes Tompkins area), Fort Vermilion and Zama City. The rural area of High Level is served under an inter-municipal agreement with the Town of High Level.

Local RCMP Detachments

The local RCMP detachments of Northern Rockies (BC) and Chateh (AB)

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



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2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.2 External Emergency Response Plans: Local Health Services

Alberta Health Services - North Zone

ENVIRONMENTAL PUBLIC HEALTH ROLES AND RESPONSIBILITIES

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

EPH will endeavor to:

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

2.1.6.2 External Emergency Response Plans: Local Health Services (continued)

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

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

Roles and responsibilities:

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

Northern Health (NH)

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

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

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

Roles & Responsibilities - PREPAREDNESS (PRE-EVENT):

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

Roles & Responsibilities - RESPONSE:

- Activate internal health emergency management plans related to ongoing provision of services (listed above);
- Provide acute care and emergency services at existing Northern Health hospitals/health centres;
- Work with BC Emergency Health Services (Ambulance) and the BC Patient Transfer Network to transport patients to the appropriate levels of care;
- Apply and enforce the Public Health Act, and associated regulations;
- Provide advice/information to the stakeholders on the existing or potential public health effects of an incident (including drinking water safety, air quality, environmental contaminants, communicable disease prevention, reoccupancy 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



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2.1.6.3 Mutual Aid

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

Canadian Natural Operated Third Party Assets

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

THIRD PARTY LICENSEE	ERP NAME	EMERGENCY NUMBER

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.

THIRD PARTY LICENSEE & OPERATOR	ERP NAME	EMERGENCY NUMBER



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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	n Fort Nelson			
•				
•				
•				
•				
•				

2.1.7.2 Proximity To Nearest Urban Centre

•

2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LATITUDE (N)	LONGITUDE (W)



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2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT	TYPE	DESCRIPTION
N	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.
N	SCADA System	Supervisory Control and Data Acquisition (SCADA) — Electronic monitoring equipment on wells throughout the gathering system will transmit signals to a central control panel. SCADA systems trigger alarm and call-out systems and may have ESD capabilities.
N	Alarm and Callout 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.
N	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
N	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_2S 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_2S levels are detected at the facility. If H_2S levels reach a predetermined level, the system is designed to activate the Emergency Shutdown (ESD) and shut down the facility.
Υ	Gas Monitors – Handheld	Canadian Natural personnel are equipped with personal H ₂ S / LEL monitors for early detection.
N	Gas Detection Equipment	Continuous Combustible Gas Detectors are located throughout the facility. The detectors alarm at 20% lower explosion limit (LEL). At 40% LEL, the detectors engage a facility shut down.
N	Fire Detection Equipment	An ultraviolet fire detection system, "Fire Eyes," may be installed throughout facilities.
N	Leak Detection System	Continuous monitoring systems are installed on several pipeline systems, including but not limited to water injection, oil emulsion and ESD risers. These systems can be based on different methodologies such as pipeline or differential pressure, pressure rate of change (ROC), flow rate imbalance, ROW monitoring, etc.



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2.3 COMMUNICATIONS

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

2.3.1 COMMUNICATION EQUIPMENT

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

2.3.2 RADIO FREQUENCIES

NAME	RECEIVE NUMBER	TRANSMIT NUMBER
Canadian Natural Repeater		

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 > <u>Spill Response Equipment and Contact</u> <u>List</u>

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



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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

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



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3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

NAME	LOCATION		TELEPHONE			
BRITISH COLUMBIA						
FOR CER PIPELINE INCIDENTS,	CALL:	For "Immediately Rewithin three (3) hours		24-Hour	1-819-997-7887	
Transportation Safety Board (TSI *TSB will contact CER	3)	a) call TSB 24-Hour R and	eporting Hotline	https://app	s.cer-rec.gc.ca/ers	
See Forms & Guidelines section, Corpo		b) report via OERS		рожерр		
Guideline 8: CER Event Reporting Guideline 8: NOTE:	<u>lelines</u>	For all other events, w discovery:	ithin 24 hours of		,	
CER = Canada Energy Regulator		a) report via OERS		nttps://apps	.cer-rec.gc.ca/ers	
OERS = CER's Online Event Reporting Syst	em	If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline				
Emergency Management BC (EMB EMBC will contact BC Energy Regulator (BCER)		For all emergencies 24-Hour Incident Report		1-800-663-3456	
Use this number to also verbally report Environmental Emergency (E2)			* For E2 Emerge	ency Report	ing only:	
Written notice (Schedule 8) made via S ASAP by Environmental Coordinator Environment Canada notified by EMBC			Single Window Information Management (SWIM) https://ec.ss.ec.gc.ca			
Northern Rockies Regional Municip	ality	Fort Nelson BC	24-Hour Emergency 250-774-222		250-774-2222	
Health Emergency Management BC			24-Hour Emergency On-Call			
(HEMBC)		Northern BC	Non-emergency in (HEMBC Director)	quiries only		
RCMP		Fort St. John BC	24-Hour		9-1-1	



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NAME	LOCATION		TELEPHONE		
ALBERTA					
FOR CER PIPELINE INCIDENTS, CALL:	For "Immediately Rep within three (3) hours		24-Hour	1-819-997-7887	
Transportation Safety Board (TSB) *TSB will contact CER See Forms & Guidelines section, Corporate ERP:	a) call TSB 24-Hour Reporting Hotline and b) report via OERS 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	
Guideline 8: CER Event Reporting Guidelines NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System			https://apps.cer-rec.gc.ca/ers		
Energy & Environmental Response Line Alberta Environment / Alberta Energy Regulator (AER)		For all emergencies		1-800-222-6514	
Use this number to also verbally report an Environmental Emergency (E2) • Written notice (Schedule 8) made via SWIM *	Province-Wide			n Management	
ASAP by Environmental Coordinator Environment Canada notified by EMBC					
Mackenzie County	Fort Vermillion AB		24-Hour	1-888-511-6323	
Alberta Health Services	Province-Wide		24-Hour		
* Ask for Environmental Public Health On Call			Email		
RCMP: Chateh Detachment	Province Wide			9-1-1	



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3.3 ROAD CLOSURE CONTACTS

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

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



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3.5 PROVINCIAL GOVERNMENT CONTACTS

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



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NAME	LOCATION	TEL	EPHONE
ALBERTA			
Alberta EDGE – Center for TDG (Environmental and Dangerous Goods Emergencies)	Province-Wide	24-Hour	1-800-272-9600
Alberta Emergency Management Agency (AEMA) Provincial Operations Centre (POC)	Province-Wide	24-Hour	1-866-618-2362
Alberta Energy Regulator (AER) * notify when blocking petroleum development and / or forestry roads	Energy & Environmental Emergency or Complaint	24- Hour	1-800-222-6514
Alberta Environment and Parks * notify when blocking roads through or adjacent to Crown Land	Emergency or Complaint		
Alberta Environment & Parks	Daniel - Daniel -	24-Hour	1-800-642-3800
Fish and Wildlife	Report a Poacher	Telus Mobile	#3800
Land Water	Report a Wildfire	24-Hour	310- 3473 (FIRE)
Alberta Health Services	Province-Wide	24-Hour	
* Ask for Environmental Public Health On Call		Email	
Alberta Transportation Provincial Highway Road Closures Support	Athabasca, Edson, Fort McMurray, Stony Plain District Offices	Stony Plain	780-963-5711
1. call 9-1-1 / RCMP	Calgary District Office	Calgary	403 297-6311
call nearest Region / District Office	Grande Prairie District Office	Grande Prairie	780 538-5310
Highway maintenance contractors are responsible for maintenance activities including highway patrolling	Hanna District Office	Hanna	403 854-5550
and emergency duties	Lethbridge District Office	Lethbridge	403 381-5426
Road& Weather Conditions:	Peace Region Office	Peace River	780 624-6280
511.alberta.ca	Red Deer District Office	Red Deer	403 340-5166
	Vermilion District Office	Vermilion	780 853-8178
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



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3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE N	TELEPHONE NUMBER			
BRITISH COLUMBIA						
RCMP	Fort Nelson BC	24-Hour	9-1-1			
ROMP	FUIT NEISUII DC	Office	250-774-2777			
Hospital	Fort Nelson General Hospital	24-Hour	250-774-8100			
British Columbia Ambulance Service		Emergency	9-1-1			
	Province-Wide	Toll Free	1-800-461-9911			
Gervice		Cell/ SAT Phone/ Outside BC	250-374-5937			
Fire Department	Fort Nelson BC	24-Hour	9-1-1			
Fire Department	FOR Neison BC	Office	250-774-2222			
ALBERTA		ALL EMERGENCY SERV	ICES CALL 9-1-1			
RCMP	Chateh AB	24-Hour	780-321-3835			
Hospital	High Level AB	24-Hour	780-926-3791			
Ambulance	High Level AB	Office	780-926-2166			
Fire Department	High Level AB	Office	780-821-4016			

3.7 TDG / LPG EMERGENCY NUMBERS

NAME	CONTACT	TELEPHONE NUMBER		
FOR TDG EMERGENCIES				
Operations to contact ERAC only if carrier dri	iver is unable to contac	ct supervisor		
Carrier is responsible for contacting ERAC ERAC will contact company on call contacts (Safety Leads) for ERAP activation 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 - co	ontact ERAC	24-Hour	1-800-265-0212	
		Toll free	1 888 226-8832	
For Information Only: CANUTEC		Call Collect	613 996-6666	
		Cell	*666	

3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER	
Northern Rockies Regional Municipality	Fort Nelson BC	24-Hour	250-774-2222
Mackenzie County	Fort Vermillion AB	24-Hour	1-888-511-6323



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3.9 FEDERAL GOVERNMENT CONTACTS

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



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3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER			
3.10.1 AIR QUALITY MONITORING (MOBILE)					
Emergency Management BC/ British Columbia Energy Regulator (contact if no contract services are available)	Province-Wide, BC	24-Hour	1-800-663-3456		
Alberta Energy Regulator (contact if no contract services are available)	Province-Wide, AB	24-Hour	1-800-222-6514		
Brogan Safety - SO ₂ monitors	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Fort St. John 250-787-2114 Whitecourt 780-396-1005			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473		
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260		
Trojan Safety Services	BC, AB, SK	24-Hour	250-785-9557		
3.10.2 AIRCRAFT (FIXED WING) CHARTERS		CONTACT CORPORATE TRAVEL			
3.10.3 COMMUNICATIONS RENTAL EQUIPMENT					
Earth Communications	Fort Nelson BC	1-877-560-3276 earth-communications.com			
Metis Nation Communications	Fort Nelson BC	250-500-1308 metisnationcomm.ca			
3.10.4 DRONE / UAV OPERATORS (Alphabetically by location)					
Alberta Drone Services	Bonnyville, AB	780-201-3737			
Hummingbird Drones	Fort St. John, BC	250-857-5411 info@hummingbirddrones.ca			
Infinity Drones Inc	Fort St. John, BC	250-787-5110 infinitydronesinc.com			
Nortech Advanced NDT	Fort Nelson Fort St. John, BC	780 380-9888 nortechadvanced.com			
Roy Northern Land and Environmental	Fairview, AB Fort St. John, BC	780-835-2682 roynorthern.com 250-261-6644			
Northern Drone Services	Fort St. John, BC	250-719-7469 northerndrone.ca			
Phoenix Heli-Flight	Fort St. John, BC	780-799-0141 phoenixheliflight.com/services/drones/			
3.10.5 FRESH WATER SUPPLIERS					
3.10.6 HELICOPTERS					
Bailey Helicopters	Fort Nelson Fort St. John (Head Office)	Toll Free	1-877-822-2245		



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COMPANY	LOCATION	TELEPHONE NUMBER				
Canadian Helicopters	Edmonton, Fort McMurray, Fort Nelson, Fort St. John, Grande Prairie, Norman Wells	24 Hours Emergency – Western Canada	780-429-6900			
Qwest Helicopters	Fort Nelson, Fort St. John	24-Hour	250-787-5157			
Yellowhead Helicopters	Fort St. John, BC Prince George (Ops Centre)	24-Hour	1-88-566-4401			
3.10.7 SAFETY SERVICES	3.10.7 SAFETY SERVICES					
Brogan Safety - SO ₂ monitors, etc	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Fort St. John Whitecourt	250-787-2114 780-396-1005			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473			
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260			
Safety Boss Services	BC, AB	24-Hour	1-800-882-4967			
Trojan Safety Services	BC, AB, SK	24-Hour	250-785-9557			
United Safety Ltd.	BC, AB	24-Hour	1-800-432-1809			
3.10.8 SPILL RESPONSE EQUIPMENT						
Clean Harbors	North America	24-Hour	1-800-645-8265			
EnviroHazmat Emergency Response	BC, AB	24-Hour	1-866-249-7583			
Gen7 Environmental Solutions	AB, SK	24-Hour	780-542-3676			
GFL Environmental	North America	24-Hour	1-866-417-2797			
North Shore Environmental Consultants	BC, AB, SK	24-Hour	1-855-700-6732			
QM Environmental	BC, AB, SK, MB	24-Hour	1-877-378-7745			
Rapid Response Industrial Group	Canada-wide	24-Hour	1-844-774-4911			
Roy Northern Land and Environment	BC, AB	Fairview	780-835-2682			
		FSJ	250-261-6644			
		Terrace	250-635-6973			
SWAT Consulting	Canada-wide	24-Hour	1-866-610-7928			
Western Canadian Spill Services (WCSS)	See WCSS section		,			
3.10.9 WELL BLOWOUT CONTROL						
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473			
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260			
Safety Boss Inc.	BC, AB	24-Hour	1-800-882-4967			



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COMPANY	LOCATION	TELEPHONE NUMBER				
3.10.10 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "8 & 9" 24-HOUR EMERGENCY CONTACT 1-866-541-8888						
Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers						
COOP "8"						
James Barnhill, Husky Energy Regional Custodian	Box 30 Rainbow Lake, AB T0H 2Y0	Office	780-956-8052			
		Cell	780-956-1814			
Bruce Muzichuk, Muzzy's Contracting Coop Custodian	1072 Aspen Drive Zama City, AB	24 Hour	780-926-9797			
COOP "9"						
Jason MacMillan Regional Custodian	Clean Harbors Production Services 6715 – 85 th Avenue Fort St. John, BC V1J 4J3	Office	250-785-4577			
		Cell	250-224-7925			
Troyer Ventures Ltd. Coop Custodian	4850-46 Avenue Fort St. John, BC V0C 1R0	24-Hour	250-774-5332			

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

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



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4 PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES

4.1.1 TELEPHONE CALLERS

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

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

4.1.2 AUTOMATED PUBLIC NOTIFICATION SYSTEM (NOT APPLICABLE)

NOT APPLICABLE FOR THIS AREA.

4.2 RECEPTION CENTRE(S)

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

RECEPTION CENTRE	LOCATION	TELEPHONE NUMBER	
Lakeview Inn & Suites	4507-50 Avenue S Fort Nelson BC V0C 1R0	Office	250-233-5001
Noralta Motor inn	101 Rainbow Drive Rainbow Lake AB T0H 2Y0	Office	780-956-5665

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.



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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 division	s 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
N/A		



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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



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

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

Land Use Disposition Types

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

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.9 FOREST MANAGEMENT AREA(S)

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.10 FIRST NATIONS / INDIGENOUS NATIONS

FIRST NATIONS COMMUNITY / SETTLEMENT			
NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION
There are no known First Natio immediately adjacent to the EP			

LOCAL INDIGENOUS NATION / BAND				
NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION	



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5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

FACILITY NAME	Shekilie
FACILITY TYPE	Compressor Station and CER Pipeline
FACILTIY CODE	
LEGAL DESCRIPTION	
FACILITY DESCRIPTION	The Shekilie pipeline is shut-in at this time
FACILITY NAME	Pesh Creek
FACILITY TYPE	Gas Plant and CER Pipeline
FACILTIY CODE	
LEGAL DESCRIPTION	

5.1.2 EMERGENCY CONTROL SYSTEMS

FACILITY DESCRIPTION

TYPE	NTS LOCATION	LAT (Decimal Degrees)	LONG (Decimal Degrees)	EASTING (UTM NAD 83)	NORTHING (UTM NAD 83)	UTM ZONE	NOTES
BRITISH CO	OLUMBIA						
ESD / Block Valve							West side of compressor shuts in all flow
ESD / Block Valve							Gas plant

The Pesh Creek pipeline is shut-in at this time

TYPE	LOCATION	NOTES
ALBERTA		
ESD / Block Valve		
ESD / Block Valve		



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5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

LOCATION	FACILITY TYPE	FACILITY LICENSE	FACILITY CODE	SUB	STAT	H ₂ S REL VOL (m ³)	EPZ (m)	E2* EPZ (m)
	Compressor – Site is Rendered safe and shut in						980	N/A
	Gas Plant						980	N/A

^{* &}quot;E2" = chemical storage container as defined by CEPA regulations



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5.2.2 PIPELINE LIST LEGEND

LEGEND			UBSTANCE / SUB		STATUS / STAT	FROM FACILITY (FAC) / TO FACILITY (FAC)		
LICENSE	License Number	OE	Oil Effluent	0	Operational	PL	Pipeline	
LINE	Line Number	FG Fuel Gas			To Be Constructed	WE	Well	
OD	Outer Diameter (mm)	NG Natural Gas			D Discontinued		Gas Processing Plant	
WT	Wall Thickness (mm)	SW	Salt Water	s	Suspended	IP	Injection / Disposal Facility	
МОР	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			СК	Creek	
IIZ	Initial Isolation Zone (km) – applicable only for Alberta					BE	Blind End	
SET EPZ	Emergency Planning Zone (m)		H₂S CONVI	ERSI	ON:	В	Battery	
ESD	Emergency Shut Down Valve		1% = 10 mol / kmc	ol = 10),000 ppm	cs	Compressor Station	
cv	Check Valve					MS	Meter Station	

NOTE: Abandoned assets are not included



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5.2.3 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES

NOTES: • Pipelines are sorted by From Location

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



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SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

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SECTION 6: Maps & Public Information Package



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6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE-SPECIFIC ERP MAP

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

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

If applicable, pre-determined Environmental Emergency (E2) EPZs are identified on the map as the "pink" shaded areas.

6.2 PUBLIC INFORMATION PACKAGE

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

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

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