



Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

GREENSTREET

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, 2024

Canadian Natural Resources Limited
24 Hour Emergency Number

1-888-878-3700



EMERGENCY RESPONSE PLAN

Greenstreet

Revision 16-0 | March 31, 2024

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)
2024/03/31 [Redacted]	16-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2023/03/31 [Redacted]	15-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2022/03/31 [Redacted]	14-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2021/03/31 [Redacted]	13-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2020/03/31 [Redacted]	12-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2019/03/29 [Redacted]	11-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2018/03/29 [Redacted]	10-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		

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

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ERP ID
Greenstreet		CER regulated pipeline	

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ALL HAZARDS IDENTIFICATION TABLE

Completed By: Area Field Operations & Emergency Management Tech

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>(Low / Med / High)</i>	MITIGATION MEASURES AVAILABLE / NEEDED
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		<i>(Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)</i>
		LAND USE AREAS	WILDLIFE / LIVESTOCK			
<input type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release	n/a	n/a	n/a	n/a	n/a	<input type="checkbox"/> Personal Gas Monitor <input type="checkbox"/> Portable Gas Detector <input type="checkbox"/> SCBA <input type="checkbox"/> SABA <input type="checkbox"/> ESD Procedures <input type="checkbox"/> Emergency Planning Zone(s) <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> SCADA ESD <input type="checkbox"/> Other:
<input type="checkbox"/> High Vapour Pressure (HVP) Pipeline Release <i>(pipelines that convey hydrocarbon mixtures in the liquid or quasi-liquid state with a vapour pressure of greater than 110 kPa absolute at 38°C)</i>	n/a	n/a	n/a	n/a	n/a	<input type="checkbox"/> SCADA ESD <input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Emergency Response Plan <input type="checkbox"/> ESD Procedures <input type="checkbox"/> Emergency Planning Zone(s) <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Fire Extinguishers <input type="checkbox"/> Firefighting Equipment – <i>e.g. shovels, axes, picks, water packs, wheeled extinguishers</i> <input type="checkbox"/> Other:



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<input type="checkbox"/> Large Chemical Storage Hazards (CEPA – E2) <input type="checkbox"/> <i>(large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)</i>	n/a	n/a	n/a	n/a	n/a	<p style="text-align: center;">ACTIVE MITIGATIONS</p> <input type="checkbox"/> Firefighting Equipment – e.g. <i>shovels, axes, picks, water packs, wheeled extinguishers</i> <input type="checkbox"/> Fire Extinguishers <input type="checkbox"/> Industrial Firefighters <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Evacuation Zone <input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> ESD (Automatic Valves) Procedures <input type="checkbox"/> SCADA ESD <p style="text-align: center;">PASSIVE MITIGATIONS</p> <input type="checkbox"/> Secondary Containment – e.g. <i>earth berms, dikes</i> <input type="checkbox"/> Separator / Surface Water Collection System <input type="checkbox"/> Vessel Protection Systems – e.g. <i>PSVs, high level alarm</i> <input type="checkbox"/> SCADA ESD	
<input checked="" type="checkbox"/> Petroleum Release / Spill <input checked="" type="checkbox"/> <i>(on land or in water, includes all types of petroleum spills, gas releases, flammable vapours releases)</i>	YES	YES	YES	YES	Low	<input 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 type="checkbox"/> Boom(s) <input checked="" type="checkbox"/> Absorbent Material <input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Proper PPE <input checked="" type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Other:	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<input checked="" type="checkbox"/> Asset Fire	YES	YES	YES	YES	Low	<input 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 <small>(municipal / provincial jurisdiction)</small>	n/a <small>(municipal / provincial jurisdiction)</small>	n/a <small>(municipal / provincial jurisdiction)</small>	YES	Low <small>(SMS Procedure 22.06)</small>	<input checked="" type="checkbox"/> ESD Procedures <input 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"/> On-Site Chemicals / Fuels <i>(at ERP's main facilities)</i>	n/a <small>(hazards contained within lease boundaries)</small>	n/a <small>(hazards contained within lease boundaries)</small>	n/a <small>(hazards contained within lease boundaries)</small>	YES	Low	<input checked="" type="checkbox"/> Spill Reporting Procedures <input checked="" type="checkbox"/> SDS – 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 <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	Low	<input checked="" type="checkbox"/> Shelter / Evacuation Procedures <input type="checkbox"/> Other Transportation Available – e.g. 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 <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	Low	<input type="checkbox"/> Landlines <input checked="" type="checkbox"/> Cell phones <input type="checkbox"/> 2-Way Radios <input checked="" type="checkbox"/> 2-Way Radios – Service Provider <input checked="" type="checkbox"/> Internal Communication / Notification System <input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Power Outages	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	Low	<input type="checkbox"/> Back-up generator(s) <input checked="" type="checkbox"/> Communication systems <input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Severe Weather / Natural Disasters <i>(includes severe storms, blizzards, tornadoes, earthquakes, floods, landslides)</i>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	Low	<input checked="" type="checkbox"/> 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 <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	Low	<input checked="" type="checkbox"/> 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 <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	n/a <small>(not EPZ related)</small>	YES	Low	<input checked="" type="checkbox"/> Internal Communication / Notification System <input checked="" type="checkbox"/> Roadblock Kits <input checked="" type="checkbox"/> Communication Plans – Public / Media <input checked="" type="checkbox"/> Evacuation Procedures <input checked="" type="checkbox"/> Information Systems: <i>Disaster Recovery Principles</i>	
<input type="checkbox"/> Other						<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	



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1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1	[REDACTED]	Foreman	Blackfoot Office	✓
2	[REDACTED]	Assistant Foreman	Maidstone Office	✓
3	[REDACTED]	Assistant Foreman	Maidstone Office	✓
4	[REDACTED]	Assistant Foreman	Blackfoot Office	✓
5	[REDACTED]	Area Superintendent	Lloydminster Office	✓
Electronic (CiNQ) / ERP Maps only	[REDACTED]	Manager, Eastern Field Operations	Calgary Office	
Electronic (CiNQ)	[REDACTED]	Safety & Compliance Coordinator	Lloydminster Office	
6	[REDACTED]	Area Landman	Lloydminster Office	✓
7	Facility	Facility	Rush Lake Field Office	
8	Facility	Facility	Rush Lake Field Office	
9	Area Designated Incident Command Post (ICP)	Incident Command Post (ICP)	Lloydminster Office	
10	Emergency Response Mobile Cart	Emergency Response Mobile Cart	Calgary Office	✓
11	Calgary Emergency Operations Centre (EOC)	Calgary Emergency Operations Centre (EOC)	Calgary Office BHE 26002	✓
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	
*	ERP Map for Roadblock Kit	ERP Map for Roadblock Kit	[REDACTED]	

1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
12	CER – Hard Copy	Canada Energy Regulator	517 – 10 th Avenue SW Calgary, AB T2R 0A8
Flashdrive	CER – Electronic Copy		
Email	Director of Emergency Management	County of Vermilion River	[REDACTED]
Email	North Zone Manager, Environmental Public Health	AHS – Central Zone	[REDACTED]
Email	EMO Coordinator	Rural Municipality of Britannia No. 502	[REDACTED]
	Fire Chief		[REDACTED]
Email	Director, Protective Services and Health Emergency Management	Saskatchewan Health Authority	[REDACTED]
<i>Flashdrive</i>	<i>Electronic copy on flashdrive</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	Greenstreet _____ Pipeline	
PHONE NUMBERS	NUMBER	DESCRIPTION
	N/A	N/A

DISTRICT OFFICE LOCATION	Lloydminster District Office	
PHONE NUMBERS	NUMBER	DESCRIPTION
	_____	Office
	_____	Fax

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

OFFICE LOCATION	Lloydminster District Office	
STREET ADDRESS	6603 – 44 Street Lloydminster AB T9V 2G6	
MAILING ADDRESS	Same as above	
PHONE NUMBERS	_____	Office
	_____	Fax

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	County of Vermilion River Rural Municipality of Britannia No. 502	
Area Land Use	Mixed farming and oil and gas operations	
POPULATION DENSITY (WITHIN EPZ)		
NUMBER	TYPE	DESCRIPTION
3	Residences	3 occupied, see Section 4
0	Businesses / Organizations	
0	Public Facilities / Recreational Areas	
0	Trappers / Guide Outfitters	
0	Grazing Leases / Reserves	
0	Forest Management Areas	
0	First Nations	
0	Lakes / Rivers	
1	Public Highways	Hwy 17
0	Other (Railway, logging, etc.)	

2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

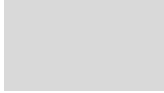



2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit	1	[REDACTED] Battery
Eye Wash Station – 1 litre bottle	1	Each operator's truck
Eye Wash Station – 15 min flow		
First Aid Kit	1	Each operator's truck
First Aid Room		
First Aid Station	1	[REDACTED] Battery
Fire Blanket	1	Each operator's truck
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	1	Each operator's truck
Ignition Equipment		In Roadblock Kits
Personal Gas Monitor	1	Each operator's truck
Portable Gas Detector	1	Each operator's truck
Portable Spill Response Kit		
Self-Contained Breathing Apparatus (SCBA)	4	[REDACTED] Battery
Spill Response Trailer		None located on site Nearest Canadian Natural trailer(s): - [REDACTED] - [REDACTED]
Supplied Air Breathing Apparatus (SABA)		
Wheeled Fire Extinguisher (150 - 300 lb)		

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)	8	3 Roadblock Kits stored at North:  North Tangleflags Battery Battery Compressor Station 2 Roadblock Kits stored at East:  Tangleflags Field Office Rush Lake Battery 2 Roadblock Kits stored at South:  East Till Battery Lone Rock Field Office 1 Roadblock Kit stored at West:  Blackfoot Field 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

County of Vermilion River

The County of Vermilion River may implement their County Municipal Emergency Plan in the event of an emergency. In general the County:

- May initiate and manage the local disaster services response in accordance with County Policy
- May dispatch representative(s) to the Government Emergency Operations Centre (GEOC)
- Ensures all local emergency and public information services are available in accordance with County Policy. Public Information Releases will be coordinated with the Company's Information Officer.
- If required, activates the Municipal Emergency Operations Centre (MEOC) and coordinates activities at this Centre. The MEOC is available to the Company for use as a Regional Emergency Operations Centre (REOC) subject to limitations as may be imposed by the County due to current operations requirements at the time.
- Upon request, may assist with set up and administration of Reception Centre. May assist with arrangement of temporary accommodations for residents who have been evacuated in accordance with County Policy.
- May assist with fire protection in accordance with County Policy in areas where accessible
- If necessary, may declare a local state of emergency to provide local authorities with special powers
- Supports the Company in dealing with the emergency in accordance with County Policy
- May provide public protection communication through Media releases, public service announcements, the County's website and Alberta Emergency Alert

Emergency Services / Equipment:

Fire Services – volunteer Fire Departments include Blackfoot Fire Department, Clandonald Fire Department, Dewberry Fire Department, Islay Fire Department, Kitscoty Fire Department, Marwayne Fire & Rescue Department, Paradise Valley Fire Department and Vermilion Fire & Rescue Department

For disaster services or emergency medical services dial 9-1-1.

Road Maintenance – The County maintains its own Public Works Department to provide road maintenance

Personnel – The County maintains Mutual Aid Agreements with the Villages of Marwayne, Dewberry, Paradise Valley, Kitscoty and the Town of Vermilion. Two Community Peace Officers patrol the County.

Equipment – Traffic control equipment (barricades, etc.) and heavy equipment as owned and maintained by the County's Public Works Department

Rural Municipality (RM) of Britannia (SK) No. 502

The Rural Municipality of Britannia will implement their Municipal Emergency Plan in the event of an emergency. The RM may:

- Assist in the opening and operation of the Reception Centre
- Assist with roadblocks, fire protection and medical services
- If necessary, declare a state of local emergency to restrict access to a designated area
- Assist with accessing SaskAlert, Saskatchewan's emergency public alerting program

Emergency Services / Equipment:

Fire Services – A volunteer-based Britannia Fire Department serves the County. For disaster services or emergency medical services dial 9-1-1.

Road Maintenance – The RM has its own Public Works department

Personnel – The RM has several mutual agreements with various towns, villages, other RMs, the City of Lloydminster, etc. to pool resources in order to improve emergency response capabilities

Equipment – The RM has access to traffic control equipment (barricades, etc.) and heavy equipment that may be required

Local RCMP Detachments

The local RCMP detachments of Kitscoty (AB), Lloydminster (SK) and Maidstone (SK):

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

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.2 External Emergency Response Plans: Local Health Services

Alberta Health Services

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.

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

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

Saskatchewan Health Authority (SK)

In the event of an emergency, the Saskatchewan Health Authority:

In a Level 1 Low Impact Event

- Will receive notification starting at this Level and may respond to inquiries from the public and media if notified.

In a Level 2 Moderate Impact Event or Level 3 High Impact Event

- Will ensure that local hospitals are alerted when there is potential for an impact from a release.
- Will provide appropriate representation at the off-site Regional Emergency Operations Centre or Incident Command post when it is established or when requested.
- Will provide health related information about toxic chemicals to the emergency operations centre, the public information officer, the media and the general public as required.
- Will provide guidance on the development of public health advisories, public evacuation and sheltering.
- Will monitor the health effects resulting from the event and ensure appropriate data is collected and maintained.
- Will investigate health effects complaints.

2.1.6.3 Mutual Aid Agreements

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

2.1.6.4 Mutual Aid Understandings

2.1.6.4.1 Canadian Natural Operated Third Party Assets

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

THIRD PARTY LICENSEE	ERP NAME	EMERGENCY NUMBER
Canadian Natural does not contract operate any third party assets in this area		

2.1.6.4.2 Third Party Operated Canadian Natural Assets

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

THIRD PARTY OPERATOR	ERP NAME	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
There are no third party assets tied into this plan's facilities		

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 the Greenstreet Pipeline

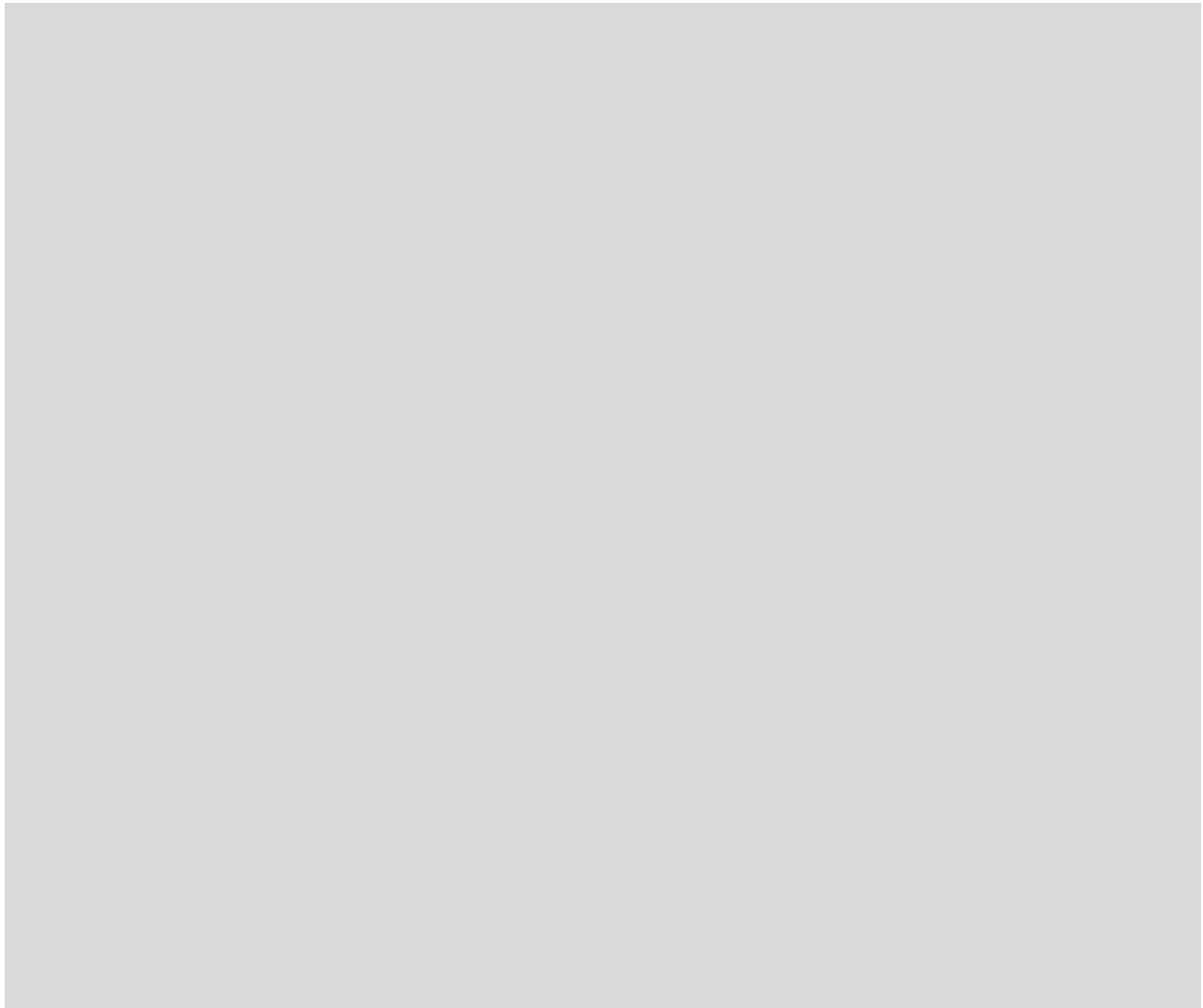
- [REDACTED]

2.1.7.2 Proximity To Nearest Urban Centre

[REDACTED]

2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LATITUDE (N)	LONGITUDE (W)
N/A (no facilities on site)		



2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT MAIN FACILITY	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.
N	SCADA System	Supervisory Control and Data Acquisition (SCADA) – Electronic monitoring equipment on wells throughout the gathering system will transmit signals to a central control panel. SCADA systems trigger alarm and call-out systems and may have ESD capabilities.
Y	Alarm 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.
Y	Aerial Surveillance	Pipelines may be surveyed on a regular basis to detect leaks.
Y	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
Y	Operator Inspections	Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect.
N	24-Hour Manned Stations	Some Canadian Natural facilities are monitored 24 hours a day.
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.
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.
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.



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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 not utilized in this area. If portable radios are required, contact service providers listed in Contract Services - Communication Rentals Equipment
Land Line	There are no land lines at the facility

2.3.2 RADIO FREQUENCIES

NAME	RECEIVE NUMBER	TRANSMIT NUMBER
N/A	N/A	N/A

2.4 SPILL RESPONSE

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

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

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

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

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

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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

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

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

NAME	LOCATION	TELEPHONE
ALBERTA		
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corporate ERP: Guideline 8: CER Event Reporting Guidelines</i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour 1-819-997-7887 https://apps.cer-rec.gc.ca/ers
	For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>	https://apps.cer-rec.gc.ca/ers
Energy & Environmental Response Line <i>Alberta Environment / Alberta Energy Regulator (AER)</i> Use this number to also verbally report an Environmental Emergency (E2) ----- <ul style="list-style-type: none"> • Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator • Environment Canada notified by EMBC 	Province-Wide	For all emergencies 24-Hour Incident Reporting 1-800-222-6514 * For E2 Emergency Reporting only: <i>Single Window Information Management (SWIM)</i> https://ec.ss.ec.gc.ca
County of Vermilion River	Kitscoty AB	24-Hour 780-846-2929



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NAME	LOCATION	TELEPHONE	
ALBERTA			
Alberta Health Services	Province-Wide	24-Hour	
		Email	
RCMP	Province-Wide	24-Hour	9-1-1

NAME	LOCATION	TELEPHONE	
SASKATCHEWAN			
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corporate ERP: Guideline 8: CER Event Reporting Guidelines</i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>	24-Hour	1-819-997-7887
		https://apps.cer-rec.gc.ca/ers	
SK Ministry of Energy & Resources (MER) - Petroleum and Natural Gas Emergency Support Line	Regina	24-Hour	1-844-764-3637
FOR E2 EMERGENCIES: Spill Control Centre - SK Ministry of Env • written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator • Environment Canada notified by above	Province-Wide	24-Hour Incident Reporting	1-800-667-7525
		AND WRITTEN REPORT: * Single Window Information Management (SWIM) https://ec.ss.ec.gc.ca	
Rural Municipality of Britannia No. 502	Lloydminster SK	24-Hour	
		Office	306-825-2610
Saskatchewan Health Authority	Province-Wide	24-Hour	
RCMP	Province-Wide	24-Hour	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	
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
SK	- for major highways (1, 2 or 3 digit highways)	RCMP – advise of situation / roadblock locations; request presence	24-Hour Emergency	9-1-1
		Ministry of Highways and Infrastructure (for information only)	Customer Service Centre	1-844-754-4929
	- for other licensee PDRs	Ministry of Energy and Resources (MER) (for permission to close PDR)	Emergency Support Line	1-844-764-3637



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3.4 WATER INTAKE CLOSURE CONTACTS

** NOT APPLICABLE **

3.5 PROVINCIAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE	
ALBERTA			
Alberta Boilers Safety Association (ABSA) <i>Report an Incident (online reporting)</i>	https://www.absa.ca/unsafe-condition-accident-fire-reporting/report-an-incident/		
Alberta EDGE – Center for TDG <i>(Environmental and Dangerous Goods Emergencies)</i>	Province-Wide	24-Hour	1-800-272-9600
Alberta Emergency Management Agency (AEMA) <i>Provincial Operations Centre (POC)</i>	Province-Wide	24-Hour	1-866-618- 2362
Alberta Energy Regulator (AER) <i>* notify when blocking petroleum development and / or forestry roads</i>	Energy & Environmental Emergency or Complaint	24- Hour	1-800-222-6514
Alberta Environment and Protected Areas <i>* notify when blocking roads through or adjacent to Crown Land</i>			
Alberta Environment and Protected Areas <i>Parks Fish and Wildlife Land Water</i>	Report a Poacher	24-Hour	1-800-642-3800
		Telus Mobile	#3800
	Report a Wildfire	24-Hour	310- 3473 (FIRE)
Alberta Health Services	Province-Wide	24-Hour	
		Email	
Alberta Transportation <i>Provincial Highway Road Closures Support</i> 1. call 9-1-1 / RCMP 2. call nearest Region / District Office <i>Highway maintenance contractors are responsible for maintenance activities including highway patrolling and emergency duties</i> Road & Weather Conditions: 511.alberta.ca	Vermilion District Office	Vermilion	780 853-8178
Occupational Health & Safety <i>(applicable BU / Group Safety Lead)</i>	Province-Wide	24-Hour	1-866-415-8690
Workers' Compensation Board	Province-Wide	24-Hour	1-866-922-9221

NAME	LOCATION / DESCRIPTION	TELEPHONE	
SASKATCHEWAN			
Boilers & Pressure Vessels <i>Technical Safety Authority of Saskatchewan</i>	Report an Incident (online reporting) https://tsaskforms.ca/forms/view/686		
Energy & Resources (ER), Ministry of	Emergency Support Line	24-Hour	1 844 764-3637
	ER Service Desk		1 855 219-9373



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NAME	LOCATION / DESCRIPTION	TELEPHONE	
Environment, Ministry of <i>Environmental Protection Wildfire Management Fish & Wildlife Forest Service</i>	Spill Control Centre	24-Hour	1-800-667-7525
	FireWatch Line (Report a Forest Fire)	24-Hour	1-800-667-9660
	Turn-In-Poachers (TIPS)	24-Hour	1-800-667-7561
Highways, Ministry of <i>Highway Hotline</i>	Province-Wide	24-Hour	1-888-335-7623
		https://hotline.gov.sk.ca/	
Saskatchewan Health Authority	Province-Wide	24-Hour	[REDACTED]
Saskatchewan Public Safety Agency (SPSA) <i>Emergency Services Officer (ESO)</i>	Province-Wide	24-Hr	1-800-667-9660
Occupational Health and Safety <i>(applicable BU/Group Safety Lead)</i>	Province-Wide	Toll free	1-800-567-7233 x1 (for reporting)
Workers' Compensation Board	Province-Wide	Toll free	1-800-667-7590

3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE NUMBER	
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
Ambulance	Grande Prairie AB	Office	780-513-5290
Fire Department	Grande Prairie AB	Office	780-538-0393
SASKATCHEWAN			
ALL EMERGENCY SERVICES CALL 9-1-1			
RCMP	Lloydminster SK	Office	306-825-6350
Hospitals	Lloydminster SK	Office	306-820-6000
	Paradise Hill SK	Office	306-344-2255
Ambulance	Saskatchewan Air Ambulance	Office	1-888-782-8247
	Lloydminster SK	Office	306-825-4321
Fire Department	Lloydminster SK	Office	306-825-7411 or 306-825-6515

3.7 TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS

<ul style="list-style-type: none"> • TDG Incident Reporting <ul style="list-style-type: none"> ○ FOR AB: contact a) 9-1-1 and b) Alberta EDGE 1-800-272-9600 ○ FOR BC: contact a) 9-1-1 and b) EMBC 1 800 663-3456 ○ FOR MB: contact a) 9-1-1 and b) Environmental Accidents 1 855 944-4888 ○ FOR SK: contact a) 9-1-1 and b) Spill Control Centre 1 800 667-7525 	
<ul style="list-style-type: none"> • CNRL LPG Incident Reporting (Propane & Butane) – contact a) 9-1-1 and b) ERAC 1 800 265-0212 * provide Canadian Natural ERAP Number: [REDACTED] 	
<ul style="list-style-type: none"> • CANUTEC (all instances) * provides dangerous goods interaction guidance and technical information to responders. DOES NOT offer emergency response services 	1 888 226-8832 (toll free) 613 996-6666 (call collect) Cell *666



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3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER	
County of Vermilion River	Kitscoty AB	24-Hour	780-846-2929
Rural Municipality of Britannia	Lloydminster SK	24-Hour	

3.9 FEDERAL GOVERNMENT CONTACTS

NAME	LOCATION	CONTACT INFORMATION	
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corp ERP: Guideline 8: CER Event Reporting Guidelines</i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour	1-819-997-7887
	For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>		https://apps.cer-rec.gc.ca/ers
Canadian Nuclear Safety Commission <ul style="list-style-type: none"> any accident involving nuclear reactor, nuclear fuel facility or radioactive materials lost or damaged radioactive materials any threat, theft, smuggling, vandalism or terrorist activity involving nuclear facility or radioactive materials 	Duty Officer – emergency line	24-Hour	1 613 995-0479
	Ottawa, ON	Toll Free	1 844 879-0805
Environment and Climate Change Canada	* will be notified by respective provincial gov't 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
Health Canada - For emergencies where First Nations and Indigenous reserves are within the EPZ Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch	AB - Environmental Health Officer (EHO)	24-Hour	
	SK - Environmental Health Officer (EHO)	24-Hour	not available
Indigenous Services Canada (ISC) Aboriginal Affairs & Northern Development Canada	Toronto Office	Toll Free	1-800-567-9604
NAV Canada – Flight Info Centre (FIC) To issue a NOTAM, have ready (if possible): - GPS coordinates, height, time frame	Nation wide	Toll Free Call Centre	1-866-992-7433
Transport Canada (TC) <i>See Section 3.7 TDG / LPG – Initial Incident Reporting Contacts</i>	Nation wide	General Inquiries	1 866 995-9737



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3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING (MOBILE)			
Saskatchewan Air Monitoring Lab (SAML) <i>(contact if no contract services are available)</i>	Province-Wide, SK	24-Hour	1-800-567-4224
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

3.10.2 AIRCRAFT (FIXED WING) CHARTERS	CONTACT CORPORATE TRAVEL
--	---------------------------------

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.3 COMMUNICATIONS RENTAL EQUIPMENT			
Midwest Communications	Lloydminster	Main	780-872-5001
TL Communications	Lloydminster	Main	780-871-2825

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.4 DRONE / UAV OPERATORS			
Absolute Locating Ltd	SE Sask, SW Manitoba	Main	306 483-2194
Albatross Enterprises	Canada wide	Main	780 289-7732
Bluelink Drone Solutions	Canada wide	Main	403 350-1766
Drone Alberta	AB	Main	780 394-2113
Northern Drone Services	BC, AB, NWT	Main	250 719-7469
SmartDrones	BC, AB	Main	780 782-6593
UAV Imaging Inc.	BC, AB, SK, MB	Main	587 532-9000

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.5 FRESH WATER HAULING			
Mike's Oilfield Services Ltd.	Lloydminster AB	Main	780-875-1561



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.6 HELICOPTERS			
Delta Helicopters	Edmonton, Fort McMurray, Fort St. John, High Level, Lac La Biche, Rainbow Lake, Slave Lake	Toll Free	1-800-665-3564
Sequoia Helicopters	Lac La Biche Red Earth / Slave Lake Whitecourt	Office	780 404-1820 780 805-6846 780 204-8557
Star Helicopters	Cold Lake Lac La Biche	Office	780 639-2770 780 623-3540

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.7 IGNITION SERVICES (VAPOR PLUME)			
** CONTACT Service Provider to get accurate Staging Area ETA **			
FireFly Critical Well Safety Equipment	Equipment Location: Red Deer only ETA to Area: [REDACTED]	24-Hour	403-342-1050
	Equipment: fully automated ignition systems (stationary, trailer mounted and flarepit) Services: NO IGNITION SERVICES. Set up / demobilization on drilling sites, equipment operating training		
Firemaster Oilfield Services Inc.	Equipment Location: - Blackfalds (for central/south AB) - Grande Prairie (for central/north AB & BC) Best ETA to Area: [REDACTED]	24-Hour	1-403-342-7500
	Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Senior Hands		
Safety Boss Services	Equipment Location: - Edmonton, Fort St. John Best ETA to Area: [REDACTED]	24-Hour	1-800-882-4967
	Equipment: safety flares & handheld pistols loaded onto H2S safety trailers as req'd *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified personnel		
Trojan Safety Services	Equipment Location: 90% in Grande Prairie ETA to Area: [REDACTED]	24-Hour FSJ	250 785-9557
	Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Safety Supervisors	24-Hour GP	780 567-3440
United Safety Ltd.	Equipment Location: - Fort McMurray, Fort Saskatchewan, Fort St. John, Grande Prairie, Lloydminster Best ETA to Area: approximately [REDACTED] approximately [REDACTED]	24-Hour	1-800-432-1809



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

COMPANY	LOCATION	TELEPHONE NUMBER
3.10.8 SAFETY SERVICES		
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
3.10.9 SPILL RESPONSE SERVICES (INLAND)		
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	
3.10.10 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

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "1"			
24-HOUR EMERGENCY CONTACT 1-866-541-8888			
<i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
Regional Custodian <i>Primary Contact:</i> Bry-Tan Trucking Ltd <i>Alternate Contact:</i> Mike Savoy	Equipment Location 5502 - 63 Avenue Lloydminster, AB T9V 3T8	24-Hour	780 875-9250
		Mike Cell	780 205-1471
Co-op Custodian <i>Primary Contact:</i> Cenovus Energy Marcus Tobin	Equipment Location Cenovus parking lot, junction of Hwy 55 & 41 (4006 Hwy 55) La Corey, Alberta	Cell	780 573-7110

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	
Holiday Inn & Suites Lloydminster	5612 – 44 Street, Lloydminster AB T9V 0B6	Office	780-870-5050
Microtel Inn & Suites by Wyndham Lloydminster	4257 44th Street, Lloydminster, Saskatchewan S9V 2H1	Office	306-993-0877

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

4.5 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		



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4.6 INDUSTRIAL OPERATOR(S)

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

INDUSTRIAL OPERATOR NAME	OPERATIONS DESCRIPTION	TELEPHONE NUMBER	
Cenovus Energy Inc.	Wells	24-Hour Emergency	1-877-458-8080

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	CONTACT NAME	CONTACT NUMBER	COMMENTS / NOTES
N/A			

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	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
There are no known local Indigenous nation lands impacted by the EPZ(s).			

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5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

FACILITY NAME	TANGLEFLAGS [REDACTED]
FACILITY TYPE	Gas gathering system
FACILITY LICENSE	[REDACTED]
FACILITY CODE	[REDACTED]
LEGAL DESCRIPTION	[REDACTED]
FACILITY DESCRIPTION	[REDACTED]

5.1.2 EMERGENCY CONTROL SYSTEMS

TYPE	LOCATION	NOTES
ALBERTA		
Manual block valve	[REDACTED]	Greenstreet gathering system common meter
Manual block valve	[REDACTED]	Greenstreet gathering system
Manual block valve and control valve	[REDACTED]	Tie in point



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5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 ASSET LIST LEGEND

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

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)	H ₂ S (mol / kmol)	Length (km)	H ₂ S Rel Vol (m ³)	Set EPZ (m)
															320

5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No well information required for this plan



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SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

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6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP

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

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