



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

Uncontrolled when printed. No part of this document may be copied, photocopied, reproduced or used in any form without express written consent from Canadian Natural Resources Limited

April 1, 2022

Canadian Natural Resources Limited
24 Hour Emergency Number

1-888-878-3700

AMENDMENT PROTOCOL

Annual updates are indicated by a consecutive 'revision' number dash zero (e.g. 7-0) while major revisions requiring a distribution will trigger a consecutive number change (e.g. 7-1).

Notification of errors and / or suggestions for improvement will be reviewed, addressed according to significance and considered for the next update by the EM Team. These notifications should include a) the ERP name, b) section(s) and page number(s) affected and c) the rationale for change and directed to:

CANADIAN NATURAL RESOURCES LIMITED

Email:

Canadian Natural is committed to the continuous improvement of its documentation. For full details on Canadian Natural's Management of Change protocols, refer to Section 7 of the Corporate (Core) Emergency Response Plan.

All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, (electronic, mechanical, photocopying, recording or otherwise) or stored in any retrieval system of any nature without written permission of Canadian Natural.

AMENDMENT RECORD					
Date (YYYY/MM/D) ERP Planner	Rev	Revision Details	Annual Update (Y / N)	Date inserted in ERP (YYYY/MM/D)	Inserted / Replaced by (Name & Signature)
2022/03/31 	14-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		
2021/03/31 	13-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		
2020/03/31 	12-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		
2019/03/29 	11-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		
2018/03/29 	10-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		
2017/03/30 	9-0	<ul style="list-style-type: none"> Reviewed and updated gathering system, public and contact information where applicable 	Y		

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	

TABLE OF CONTENTS

AMENDMENT PROTOCOL & RECORD

ALL HAZARDS IDENTIFICATION TABLE

1 SITE-SPECIFIC DISTRIBUTION LIST

- 1.1 INTERNAL COPIES
- 1.2 EXTERNAL COPIES

2 GENERAL INFORMATION

- 2.1 INTRODUCTION AND SUMMARY
 - 2.1.1 Facility - General Information Location
 - 2.1.2 Incident Command Post (ICP) / Emergency Operations Centre (EOC)
 - 2.1.3 Safe Locations
 - 2.1.4 General Land Use and Population Density
 - 2.1.5 Emergency & Roadblock Equipment
 - 2.1.5.1 Emergency Equipment
 - 2.1.5.2 Roadblock (EPZ Isolation) Equipment
 - 2.1.6 External Emergency Response Plans / Mutual Aid
 - 2.1.6.1 External Emergency Response Plans - Local Municipalities
 - 2.1.6.2 External Emergency Response Plans: Local Health Services
 - 2.1.6.3 Mutual Aid
 - 2.1.7 Driving Directions and Map
 - 2.1.7.1 Driving Route
 - 2.1.7.2 Proximity To Nearest Urban Centre
 - 2.1.7.3 Latitude and Longitude Coordinates
- 2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS
- 2.3 COMMUNICATIONS
 - 2.3.1 Communication Equipment
 - 2.3.2 Radio Frequencies
- 2.4 SPILL RESPONSE

3 CONTACTS AND TELEPHONE LISTS

- 3.1 COMPANY EMERGENCY CONTACTS
- 3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)
- 3.3 ROAD CLOSURE CONTACTS
- 3.4 WATER INTAKE CLOSURE CONTACTS
- 3.5 PROVINCIAL GOVERNMENT CONTACTS
- 3.6 EMERGENCY SERVICE NUMBERS
- 3.7 TDG / LPG EMERGENCY NUMBERS
- 3.8 MUNICIPAL GOVERNMENT CONTACTS
- 3.9 FEDERAL GOVERNMENT CONTACTS
- 3.10 CONTRACT SERVICES
 - 3.10.1 Air Quality Monitoring (Mobile)
 - 3.10.2 Aircraft (Fixed Wing) Charters
 - 3.10.3 Communications Rental Equipment
 - 3.10.4 Drone / UAV Operators
 - 3.10.5 Fresh Water Suppliers
 - 3.10.6 Helicopters
 - 3.10.7 Safety Services
 - 3.10.8 Spill Response Equipment
 - 3.10.9 Well Blowout Control
 - 3.10.10 Western Canadian Spill Services (WCSS) Coop “1”

4 PUBLIC NOTIFICATIONS

- 4.1 NOTIFICATION PROCEDURES
 - 4.1.1 Telephone Callers
 - 4.1.2 Automated Public Notification System (Not Applicable)
- 4.2 RECEPTION CENTRE(S)
- 4.3 RESIDENT INFORMATION
- 4.4 BUSINESS / PUBLIC FACILITY INFORMATION
- 4.5 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE
 - 4.5.1 Locating Transients and Recreational Users
- 4.6 SCHOOLS DIVISION(S) / SCHOOL(S)
- 4.7 INDUSTRIAL OPERATOR(S)
- 4.8 TRAPPERS / GUIDE OUTFITTERS
- 4.9 GRAZING LEASE(S) / RESERVE(S) AND OTHER LAND USE DISPOSITIONS
- 4.10 FOREST MANAGEMENT AREA(S)
- 4.11 FIRST NATIONS / INDIGENOUS NATIONS

5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 Facility Summary

5.1.1 Emergency Control Systems

5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 Facility Release Rates and Emergency Planning Zones

5.2.2 Pipeline List Legend

5.2.3 Pipeline Release Volumes and Emergency Planning Zones

5.2.4 Well Release Rates and Emergency Planning Zones

6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP

6.2 PUBLIC INFORMATION PACKAGE

ALL HAZARDS IDENTIFICATION TABLE & SECTION 1: SITE SPECIFIC DISTRIBUTION LISTS

ALL HAZARDS IDENTIFICATION TABLE.....	1
1 SITE-SPECIFIC DISTRIBUTION LIST.....	5
1.1 INTERNAL COPIES	5
1.2 EXTERNAL COPIES.....	6

ALL HAZARDS IDENTIFICATION TABLE

Completed By: _____

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>(Low / Med / High)</i>	MITIGATION MEASURES AVAILABLE / NEEDED <i>(Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)</i>	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<div><input type="checkbox"/> Hydrogen Sulphide (H₂S) Release</div>						<div><input type="checkbox"/> Personal Gas Monitor</div> <div><input type="checkbox"/> Portable Gas Detector</div> <div><input type="checkbox"/> SCBA</div> <div><input type="checkbox"/> SABA</div> <div><input type="checkbox"/> ESD Procedures</div> <div><input type="checkbox"/> Emergency Planning Zone(s)</div> <div><input type="checkbox"/> Ignition Resources – Equipment</div> <div><input type="checkbox"/> Ignition Resources – Service Provider</div> <div><input type="checkbox"/> Roadblock Kit(s)</div> <div><input type="checkbox"/> Communication Plans – Public / Media</div> <div><input type="checkbox"/> SCADA ESD</div> <div><input type="checkbox"/> Other:</div>	
<div><div>High Vapour Pressure (HVP) Pipeline Release</div><div><input type="checkbox"/> <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></div></div>						<div><input type="checkbox"/> SCADA ESD</div> <div><input type="checkbox"/> Evacuation Procedures</div> <div><input type="checkbox"/> Roadblock Kit(s)</div> <div><input type="checkbox"/> Communication Plans – Public / Media</div> <div><input type="checkbox"/> Emergency Response Plan</div> <div><input type="checkbox"/> ESD Procedures</div> <div><input type="checkbox"/> Emergency Planning Zone(s)</div> <div><input type="checkbox"/> Ignition Resources – Equipment</div> <div><input type="checkbox"/> Ignition Resources – Service Provider</div> <div><input type="checkbox"/> Fire Extinguishers</div> <div><input type="checkbox"/> Firefighting Equipment – <i>e.g. shovels, axes, picks, water packs, wheeled extinguishers</i></div> <div><input type="checkbox"/> Other:</div>	

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>Low / Med / High</i>	MITIGATION MEASURES AVAILABLE / NEEDED <i>(Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)</i>	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<div>Large Chemical Storage Hazards (CEPA – E2)</div> <div><input type="checkbox"/> <i>(large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)</i></div>						ACTIVE MITIGATIONS	
						<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
						PASSIVE MITIGATIONS	
						<input type="checkbox"/>	Secondary Containment – <i>earth berms, dikes</i>
						<input type="checkbox"/>	Separator / Surface Water Collection System
						<input type="checkbox"/>	Vessel Protection Systems – <i>PSVs, high level alarm</i>
<div>Petroleum Release / Spill</div> <div><input checked="" type="checkbox"/> <i>(on land or in water, includes all types of petroleum spills, gas releases, flammable vapours releases)</i></div>	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:

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>Low / Med / High</i>	MITIGATION MEASURES AVAILABLE / NEEDED <i>(Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)</i>	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK				
<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 <i>(municipal / provincial jurisdiction)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	YES	High <i>(SMS Procedure 22.06)</i>	<input checked="" type="checkbox"/> ESD Procedures	<input type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs, wheeled extinguishers
						<input checked="" type="checkbox"/> Fire Extinguishers	<input checked="" type="checkbox"/> Site Specific Wildfire Plans
						<input checked="" type="checkbox"/> Evacuation Procedures	<input checked="" type="checkbox"/> Transportation Available
						<input checked="" type="checkbox"/> Provincial Wildfire Reporting Contact Numbers	<input checked="" type="checkbox"/> Spill Reporting Procedures
<input checked="" type="checkbox"/> On-Site Chemicals / Fuels <i>(at ERP's main facilities)</i>	n/a <i>(hazards contained within lease boundaries)</i>	n/a <i>(hazards contained within lease boundaries)</i>	n/a <i>(hazards contained within lease boundaries)</i>	YES	Low	<input checked="" type="checkbox"/> SDS – accessible via online database, EOC, District offices	<input checked="" type="checkbox"/> Fire Extinguishers
						<input checked="" type="checkbox"/> Absorbent Materials	<input checked="" type="checkbox"/> Proper Storage
						<input checked="" type="checkbox"/> Proper PPE	<input checked="" type="checkbox"/> SMS COP: Storage, Handling, Use / Disposal of Harmful Substances
<input checked="" type="checkbox"/> Company Facility Isolation <i>(if access roads closed)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	Low	<input checked="" type="checkbox"/> Shelter / Evacuation Procedures	<input type="checkbox"/> Other Transportation Available – e.g. snowmobile, ATV, helicopter, boat, etc.
						<input checked="" type="checkbox"/> Area Work Alone Procedures	<input checked="" type="checkbox"/> Communication Plans
						<input type="checkbox"/> Other:	

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>Low / Med / High</i>	MITIGATION MEASURES AVAILABLE / NEEDED <i>(Fundamental Reference Materials: SMS Section 22 / Safety Data Sheets (SDS) / ERP Manual / Emergency Response Guide / Guide to Safety & Compliance / First Responder's Guide / Site-Specific Drilling Plans / Asset Integrity Pipeline Maintenance Manual and Management Systems)</i>	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE	WILDLIFE / LIVESTOCK				
<input checked="" type="checkbox"/> Communications Failure	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	Low	<input 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 <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	Low	<input type="checkbox"/> Back-up generator(s)	
						<input checked="" type="checkbox"/> Communication systems	
						<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Severe Weather / Natural Disasters <i>(includes severe storms, blizzards, tornadoes, earthquakes, floods, landslides)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	Low	<input checked="" type="checkbox"/> Communication Advisory	
						<input checked="" type="checkbox"/> ESD Procedures	
						<input checked="" type="checkbox"/> Area Working Alone Procedures	
						<input checked="" type="checkbox"/> Shelter / Evacuation Procedures	
						<input type="checkbox"/> Pumps	
						<input type="checkbox"/> Other:	
<input checked="" type="checkbox"/> Pandemic <i>(reduced workforce)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	Low	<input checked="" type="checkbox"/> Back-Up Resources for Continued Operations	
						<input checked="" type="checkbox"/> Internal Communication / Notification System	
						<input checked="" type="checkbox"/> Canadian Natural Pandemic Protocols – <i>Human Resources</i>	
<input checked="" type="checkbox"/> Security Threats <i>(theft / vandalism / violence / terrorism)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	Low	<input checked="" type="checkbox"/> Internal Communication / Notification System	
						<input checked="" type="checkbox"/> Roadblock Kits	
						<input checked="" type="checkbox"/> Communication Plans – Public / Media	
						<input checked="" type="checkbox"/> Evacuation Procedures	
						<input checked="" type="checkbox"/> Information Systems: <i>Disaster Recovery Principles</i>	
<input type="checkbox"/> Other						<input type="checkbox"/>	
						<input type="checkbox"/>	
						<input type="checkbox"/>	

1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1	TBA	Foreman	Lloydminster Office	✓
2		Assistant Foreman	Maidstone Office	✓
3		Assistant Foreman	Blackfoot Office	✓
4		Area Superintendent	Lloydminster Office	✓
5		Manager, Eastern Field Operations	Calgary Office	
Electronic (CiNQ)		Safety & Compliance Coordinator	Lloydminster Office	
6		Area Landman	Lloydminster Office	✓
7	Facility	Facility	Rush Lake Field Office	
8	Facility	Facility	Rush Lake Field Office	
9	District Office Incident Command Post	District Office Incident Command Post	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	✓
* (x3)	ERP Map for Roadblock Kit	North Tangleflags Battery		
* (x2)	ERP Map for Roadblock Kit	Rush Lake Battery		
* (x2)	ERP Map for Roadblock Kit	East Till Battery		
*	ERP Map for Roadblock Kit	Blackfoot Field Office		

1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
Email	Secretary of the Board cc Emergency Management & Security Program Support	Canada Energy Regulator	cc: [REDACTED]
12	CER – Hard Copy		517 – 10 th Avenue SW Calgary, AB T2R 0A8
CD	CER		
Email	Director of Emergency Management	County of Vermilion River	[REDACTED]
Email	Central Zone Manager, Environmental Public Health	AHS – Central Zone	[REDACTED]
Email	EMO Coordinator	Rural Municipality of Britannia	[REDACTED]
	Fire Chief		[REDACTED]
Email	Director, Protective Services and Health Emergency Management	Saskatchewan Health Authority	[REDACTED]
CD	Electronic copy on CD		
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/corporate-responsibility/health-and-safety/emergency-management>

The following stakeholders who are impacted by an Emergency Planning Zone have been offered an information package as part of the consultation process if applicable:

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

SECTION 2: GENERAL INFORMATION

2.1	INTRODUCTION AND SUMMARY	1
2.1.1	Facility - General Information Location.....	1
2.1.2	Incident Command Post (ICP) / Emergency Operations Centre (EOC)	1
2.1.3	Safe Locations.....	1
2.1.4	General Land Use and Population Density	2
2.1.5	Emergency & Roadblock Equipment	3
	2.1.5.1 Emergency Equipment.....	3
	2.1.5.2 Roadblock (EPZ Isolation) Equipment	4
2.1.6	External Emergency Response Plans / Mutual Aid	5
	2.1.6.1 External Emergency Response Plans - Local Municipalities	5
	2.1.6.2 External Emergency Response Plans: Local Health Services.....	7
	2.1.6.3 Mutual Aid.....	8
2.1.7	Driving Directions and Map.....	9
	2.1.7.1 Driving Route.....	9
	2.1.7.2 Proximity To Nearest Urban Centre	9
	2.1.7.3 Latitude and Longitude Coordinates	9
2.2	EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS.....	10
2.3	COMMUNICATIONS	11
2.3.1	Communication Equipment.....	11
2.3.2	Radio Frequencies.....	11
2.4	SPILL RESPONSE	11



24-Hour Emergency 1-888-878-3700

2.1.4 GENERAL LAND USE AND POPULATION DENSITY

Local Municipality		County of Vermilion River Rural Municipality of Britannia
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.)	

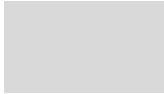

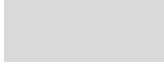

2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

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		
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)	2	[REDACTED] battery
Spill Response Trailer	2	Stored at: None located on site Nearest CNRL Trailer(s): - Lindbergh [REDACTED] - North Tangle Flags [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. 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

Consulted November 18, 2021 via email with

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

Consulted March 17, 2022 via email with [REDACTED]

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 – Central Zone

Consulted January 7, 2022 via email with [REDACTED]

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 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) - NW & NE Area

Consulted March 3, 2022 via email

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

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.

2.1.7 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 the Lloydminster to the Greenstreet

- [REDACTED]

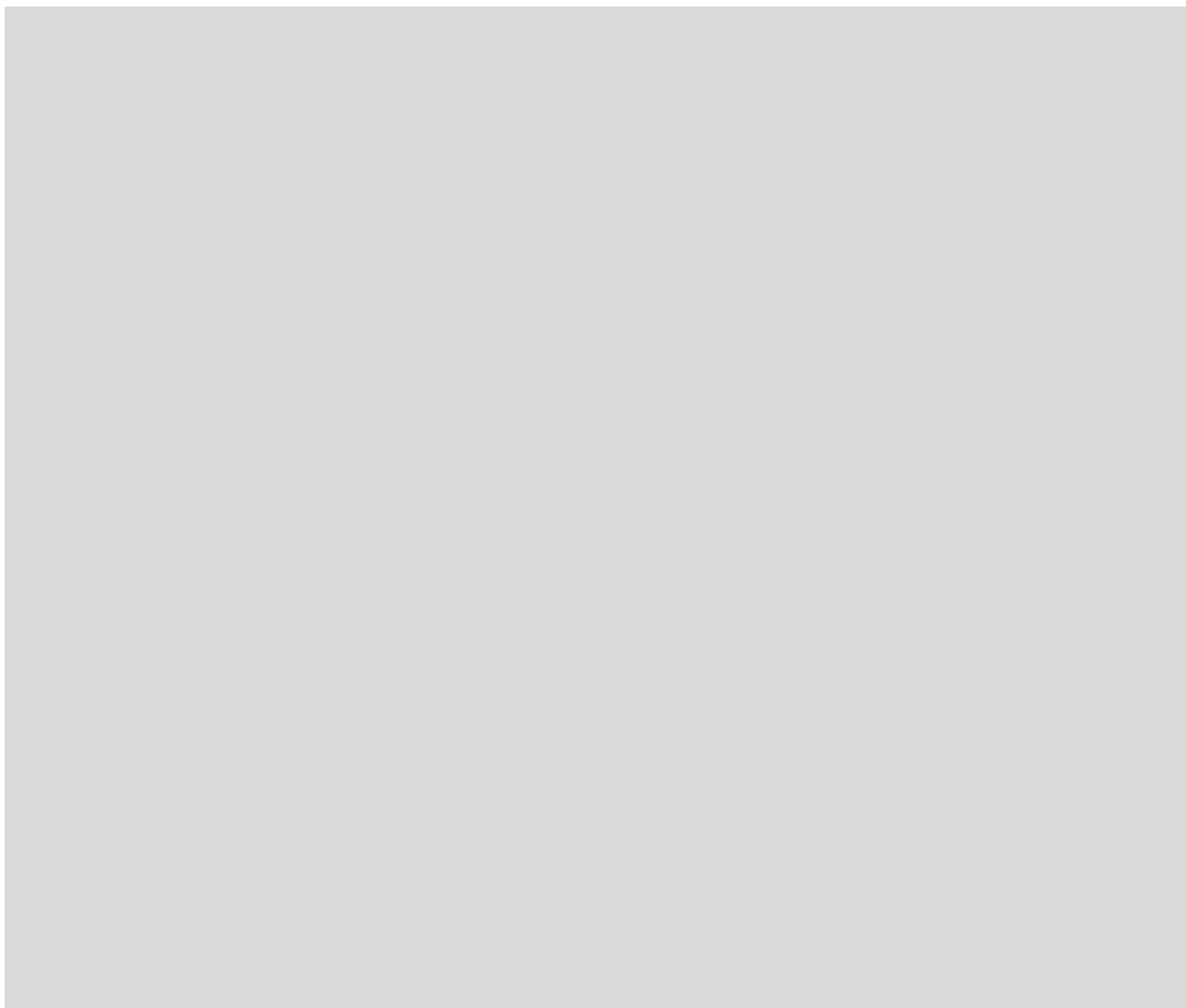
2.1.7.2 Proximity To Nearest Urban Centre

[REDACTED]

2.1.7.3 Latitude and Longitude Coordinates

N/A (no facilities on site)

FACILITY	LATITUDE (N)	LONGITUDE (W)
N/A		



2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT 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.

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.

SECTION 3: CONTACTS AND TELEPHONE LISTS

3.1	COMPANY EMERGENCY CONTACTS	1
3.2	MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)..	1
3.3	ROAD CLOSURE CONTACTS.....	2
3.4	WATER INTAKE CLOSURE CONTACTS	2
3.5	PROVINCIAL GOVERNMENT CONTACTS	3
3.6	EMERGENCY SERVICE NUMBERS	4
3.7	TDG / LPG EMERGENCY NUMBERS	4
3.8	MUNICIPAL GOVERNMENT CONTACTS	5
3.9	FEDERAL GOVERNMENT CONTACTS	5
3.10	CONTRACT SERVICES.....	5
3.10.1	Air Quality Monitoring (Mobile).....	5
3.10.2	Aircraft (Fixed Wing) Charters.....	6
3.10.3	Communications Rental Equipment.....	6
3.10.4	Drone / UAV Operators.....	6
3.10.5	Fresh Water Suppliers	6
3.10.6	Helicopters	6
3.10.7	Safety Services.....	6
3.10.8	Spill Response Equipment.....	6
3.10.9	Well Blowout Control	7
3.10.10	Western Canadian Spill Services (WCSS) Coop “1”	7

3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

POSITION	NAME	CELL	OFFICE
Area Foreman	TBA	-	-
Assistant Foreman			
Assistant Foreman			
Operations Superintendent			
Area Safety & Compliance Coordinator			
Environmental Field Coordinator			
Surface Landman			
Manager, Corporate Safety & Emergency Mgmt.			
Emergency Management Lead			
East Field Operations Manager			
VP East Field Operations			
Calgary Command Centre - Bankers Hall East (BHE)	Room 26002	n/a	

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

NAME	LOCATION	TELEPHONE	
ALBERTA			
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER See Forms & Guidelines section, Corporate ERP: <u>Guideline 8: CER Event Reporting Guidelines</u> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour	1-819-997-7887
		https://apps.cer-rec.gc.ca/ers	
	For all other events, within 24 hours of discovery: a) report via OERS If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline	https://apps.cer-rec.gc.ca/ers	
Energy & Environmental Response Line Alberta Environment / Alberta Energy Regulator (AER) Use this number to also verbally report an Environmental Emergency (E2) ----- <ul style="list-style-type: none">Written notice (Schedule 8) made via SWIM * ASAP by Environmental CoordinatorEnvironment Canada notified by EMBC	Province-Wide	For all emergencies 24-Hour Incident Reporting	1-800-222-6514
		* For E2 Emergency Reporting only: Single Window Information Management (SWIM) https://ec.ss.ec.gc.ca	
County of Vermilion River	Kitscoty AB	24-Hour	780-846-2929
Alberta Health Services * Ask for Environmental Public Health On Call	Province-Wide	24-Hour	
		Email	
RCMP: Kitscoty Detachment	Province Wide	24-Hour	9-1-1



Canadian Natural

EMERGENCY RESPONSE PLAN

Greenstreet

Revision 14-0 | March 31, 2022

24-Hour Emergency 1-888-878-3700

NAME	LOCATION		TELEPHONE	
SASKATCHEWAN				
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER See Forms & Guidelines section, Corporate ERP: <u>Guideline 8: CER Event Reporting Guidelines</u> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS		24-Hour	1-819-997-7887
			https://apps.cer-rec.gc.ca/ers	
	For all other events, within 24 hours of discovery: a) report via OERS If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline		https://apps.cer-rec.gc.ca/ers	
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	Lloydminster SK		24-Hour	306-821-0658
			Office	306-825-2610
Saskatchewan Health Authority	Northwest (formerly Prairie North HR)		24-Hour	
	Southwest (formerly Heartland HR)			
RCMP- Lloydminster / Maidstone Det.	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

3.4 WATER INTAKE CLOSURE CONTACTS

** NOT APPLICABLE **

3.5 PROVINCIAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE	
ALBERTA			
Alberta EDGE – Center for TDG <i>(Environmental and Dangerous Goods Emergencies)</i>	Province-Wide	24-Hour	1-800-272-9600
Alberta Emergency Management Agency (AEMA) <i>Provincial Operations Centre (POC)</i>	Province-Wide	24-Hour	1-866-618-2362
Alberta Energy Regulator (AER) <i>* notify when blocking petroleum development and / or forestry roads</i>	Energy & Environmental Emergency or Complaint	24-Hour	1-800-222-6514
Alberta Environment and Parks <i>* notify when blocking roads through or adjacent to Crown Land</i>			
Alberta Environment & Parks <i>Parks Fish and Wildlife Land Water</i>	Report a Poacher	24-Hour	1-800-642-3800
		Telus Mobile	#3800
	Report a Wildfire	24-Hour	310- 3473 (FIRE)
Alberta Health Services <i>* Ask for Environmental Public Health On Call</i>	Province-Wide	24-Hour	
		Email	
Alberta Transportation <i>Provincial Highway Road Closures Support</i> 1. call 9-1-1 / RCMP 2. call nearest Region / District Office <i>Highway maintenance contractors are responsible for maintenance activities including highway patrolling and emergency duties</i> Road& Weather Conditions: 511.alberta.ca	Vermilion District Office	Vermilion	780 853-8178
Occupational Health & Safety <i>(Area Safety & Compliance Coordinator only)</i>	Province-Wide	24-Hour	1-866-415-8690
Workers’ Compensation Board	Province-Wide	24-Hour	1-866-922-9221

NAME	LOCATION	TELEPHONE	
SASKATCHEWAN			
SK Ministry of Energy & Resources (MER) <i>Petroleum and Natural Gas Emergency Support Line</i>	Regina SK	24-Hour	1-844-764-3637
SK Ministry of Environment: <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



Canadian Natural

EMERGENCY RESPONSE PLAN

Greenstreet

Revision 14-0 | March 31, 2022

24-Hour Emergency 1-888-878-3700

NAME	LOCATION	TELEPHONE	
SK Ministry of Highways and Infrastructure: <i>Highway Hotline</i>	Province-Wide	24-Hour Toll Free	1-888-335-7623
		https://hotline.gov.sk.ca/	
Saskatchewan Health Authority	Northwest (formerly Prairie North HR)	24-Hour	306-491-8733
	Southwest (formerly Heartland HR)		
Saskatchewan Public Safety Agency (SPSA) <i>Emergency Services Officer (ESO)</i>	Province-Wide	24-Hr	1-800-667-9660
Occupational Health and Safety <i>(Area Safety & Compliance Coordinator only)</i>	Province-Wide	Toll free	1-800-567-7233
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 – Kitscoty Detachment	Grande Prairie AB	Office	780-830-5700
Hospital	Queen Elizabeth II 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 EMERGENCY NUMBERS

NAME	CONTACT	TELEPHONE NUMBER
FOR TDG EMERGENCIES <i>Operations to contact ERAC only if carrier driver is unable to contact supervisor</i> 1) Carrier is responsible for contacting ERAC 2) ERAC will contact company on call contacts (Safety Leads) for ERAP activation 3) ERAC will notify and report to Transport Canada		
For Emergencies involving CNRL Propane & Butane Emergency Response Assistance Canada (ERAC) Canadian Natural ERAP Number: <div></div>		24-Hour 1-800-265-0212

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

3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER	
County of Vermilion River	Kitscoty AB	24-Hour	780-846-2929
Rural Municipality of Britannia	Lloydminster SK	24-Hour	306-821-0658

3.9 FEDERAL GOVERNMENT CONTACTS

NAME	LOCATION	CONTACT INFORMATION	
FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corp ERP: Guideline 8: CER Event Reporting Guidelines</i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System	For “Immediately Reportable Events” within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS	24-Hour	1-819-997-7887
	For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i>	https://apps.cer-rec.gc.ca/ers	
	https://apps.cer-rec.gc.ca/ers		
Environment Canada	* will be notified by respective provincial govt agency – see Section 3.2		
Fisheries & Ocean Canada <i>Report damage to fish habitat – contact Fish and Fish Habitat Protection Program by province</i>	Alberta, Manitoba, Saskatchewan, Northwest Territories		1 855 852-8320
Health Canada Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch <i>For emergencies impacting First Nations and Indigenous communities (see Section 4)</i>	AB - Environmental Health Officer (EHO)	24-Hour	780-719-8782
	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

3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING (MOBILE)			
Alberta Energy Regulator (not contract service)	Province-Wide	24-Hour	1-800-222-6514
Saskatchewan Air Monitoring Lab (SAML) (contact if no contract services are available)	Province-Wide, SK	24-Hour	1-800-567-4224

COMPANY	LOCATION	TELEPHONE NUMBER	
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			
Midwest Communications	Lloydminster	Main	780-872-5001
TL Communications	Lloydminster	Main	780-871-2825
3.10.4 DRONE / UAV OPERATORS			
Alberta Drone Services	Bonnyville, AB	780-201-3737	
Meridian Surveys	Lloydminster, AB	780-875-1440 meridiansurveys.ca	
Pinpoint UAVs Ltd.	Bonnyville, AB	1-833-828-7378 pinpointuavs.com	
3.10.5 FRESH WATER SUPPLIERS			
Mike's Oilfield Services Ltd.	Lloydminster AB	Main	780-875-1561
3.10.6 HELICOPTERS			
Canadian Helicopters	Edmonton, Fort McMurray, Fort Nelson, Fort St. John, Grande Prairie, Norman Wells	24-Hours Emergency – Western Canada	1-780-429-6900
Synergy Aviation	Edmonton, Villeneuve	24-Hour	780-750-4994
3.10.7 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	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	BC, AB,	24-Hour	1-866-249-7583
Gen7 Environmental Solutions	AB, SK	24-Hour	780-542-3676

COMPANY	LOCATION	TELEPHONE NUMBER	
GFL Environmental	North America	24-Hour	1-866-417-2797
North Shore Environmental Consultants	BC, AB, SK (small scale)	24-Hour	1-855-700-6732
QM Environmental	BC, AB, SK	24-Hour	1-877-378-7745
Rapid Response Industrial Group	Canada-wide	24-Hour	1-844-774-4911
SWAT Consulting	Canada-wide	24-Hour	1-866-610-7928
Western Canadian Spill Services (WCSS)	See WCSS section		

3.10.9 WELL BLOWOUT CONTROL

Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	403-342-7500
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Inc.	BC, AB	24-Hour	1-800-882-4967

3.10.10 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "1"

24-HOUR EMERGENCY CONTACT 1-866-541-8888

Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers

Derren Weimer, Canadian Natural Resources (Lloydminster area) Coop "1" Chairman	Lloydminster AB	Cell	780-205-1193
Bry-Tan Trucking Ltd Regional Equipment Custodian	Lloydminster AB	24-Hour	780-875-9250
Marcu Tobin, Cenovus Energy Coop Equipment Custodian	La Corey AB	Cell	780-937-6176

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

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

SECTION 4: PUBLIC NOTIFICATIONS

4.1	NOTIFICATION PROCEDURES	1
4.1.1	Telephone Callers.....	1
4.1.2	Automated Public Notification System (Not Applicable)	1
4.2	RECEPTION CENTRE(S)	1
4.3	RESIDENT INFORMATION.....	1
4.4	BUSINESS / PUBLIC FACILITY INFORMATION.....	1
4.5	SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE	1
4.5.1	Locating Transients and Recreational Users.....	1
4.6	SCHOOLS DIVISION(S) / SCHOOL(S)	2
4.7	INDUSTRIAL OPERATOR(S).....	2
4.8	TRAPPERS / GUIDE OUTFITTERS	2
4.9	GRAZING LEASE(S) / RESERVE(S) AND OTHER LAND USE DISPOSITIONS	2
4.10	FOREST MANAGEMENT AREA(S)	2
4.11	FIRST NATIONS / INDIGENOUS NATIONS	3

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 INFORMATION

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

4.4 BUSINESS / PUBLIC FACILITY INFORMATION

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

4.5 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

4.5.1 LOCATING TRANSIENTS AND RECREATIONAL USERS

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

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

4.6 SCHOOLS DIVISION(S) / SCHOOL(S)

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

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

4.7 INDUSTRIAL OPERATOR(S)

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

INDUSTRIAL OPERATOR NAME	OPERATIONS DESCRIPTION	TELEPHONE NUMBER
Husky Energy Inc.	Wells	24-Hour Emergency 1-877-262-2111

4.8 TRAPPERS / GUIDE OUTFITTERS

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

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

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

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

Land Use Disposition Types

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

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.10 FOREST MANAGEMENT AREA(S)

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.11 FIRST NATIONS / INDIGENOUS NATIONS

FIRST NATIONS COMMUNITY / SETTLEMENT

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

LOCAL INDIGENOUS NATION / BAND

NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION
	There are no known local Indigenous nation lands impacted by the EPZ(s).		

SECTION 5: GATHERING SYSTEM INFORMATION

5.1	FACILITY INFORMATION	1
5.1.1	Facility Summary	1
5.1.1	Emergency Control Systems	1
5.2	FACILITY, PIPELINE AND WELL INFORMATION	1
5.2.1	Facility Release Rates and Emergency Planning Zones	1
5.2.2	Pipeline List Legend	2
5.2.3	Pipeline Release Volumes and Emergency Planning Zones	3
5.2.4	Well Release Rates and Emergency Planning Zones	3

5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

FACILITY NAME	TANGLEFLAGS
FACILITY TYPE	Gas gathering system
FACILITY LICENSE	
FACILITY CODE	
LEGAL DESCRIPTION	
FACILITY DESCRIPTION	

5.1.1 EMERGENCY CONTROL SYSTEMS

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

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)

5.2.2 PIPELINE LIST LEGEND

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

NOTE: No sweet natural gas, fuel gas, or water pipelines have been included in the following list(s) with the exception of any Canadian Natural Canada Energy Regulator (CER) regulated lines in operation.

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)
AB: SK: **CER: 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	0	320

*** 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:

- Wells sorted by Surface Location
- IIZ = Initial Isolation Zone (AB only)
- No sweet wells have been included

THIS IS A PIPELINE EMERGENCY RESPONSE PLAN THEREFORE NO WELLS HAVE BEEN INCLUDED.

License	Licensee	Surface Location	Downhole Location	Producing Zone	Substance	Status	H ₂ S (%)	H ₂ S Rel Rate (m ³ /s)	IIZ (m)	Set EPZ (m)
N/A										

SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

6	MAPS & PUBLIC INFORMATION PACKAGE	1
6.1	SITE SPECIFIC ERP MAP	1
6.2	PUBLIC INFORMATION PACKAGE	1

6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP

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

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

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

6.2 PUBLIC INFORMATION PACKAGE

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

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