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	EMERGENCY RESPONSE ASSISTANCE CANADA (ERAC) EMERGENCY NO. 1-800-265-0212 ERAP # [REDACTED]	

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


AREA NAME	LOCATION	DESCRIPTION
Greenstreet	[REDACTED]	NEB regulated pipeline NEB Order # AO-004-XG-M94-59-94

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

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EMERGENCY RESPONSE ASSISTANCE CANADA (ERAC)
EMERGENCY NO. 1-800-265-0212
ERAP # [REDACTED]

REV. 10-0
MARCH 29, 2018

AREA NAME AND LOCATION: Greenstreet 06-14-053-01 W4M to 07-12-053-27 W3M	COMPLETED BY: Curtis Sorochan (December 15, 2016)	DATE: March 29, 2018
--	---	--------------------------------

IDENTIFY HAZARD	HAZARD AFFECTS					WHAT MITIGATION MEASURES ARE AVAILABLE / NEEDED
	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS	RISK RANKING	
LAND USE <i>(i.e.: vegetation, forest, etc.)</i>		WILDLIFE / LIVESTOCK	HAZARD			Yes <i>If applicable</i>
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / Critical	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES
<p>Redacted – NEB Order AO-001-MO-006-2016, s. 1.a.ii. - Facility / Pipeline technical information, disclosure of which would risk security</p>						



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EMERGENCY NO. 1-800-265-0212
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LAND USE <i>(i.e.: vegetation, forest, etc.)</i>		WILDLIFE / LIVESTOCK	HAZARD			Yes <i>If applicable</i>
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / Critical	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES

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	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS		
LAND USE <i>(i.e.: vegetation, forest, etc.)</i>		WILDLIFE / LIVESTOCK				
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / Critical	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES

Redacted – NEB Order AO-001-MO-006-2016,
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	PUBLIC <i>(i.e.: residents, First Nations, trappers, transients, industry)</i>	ENVIRONMENT		COMPANY ASSETS		
LAND USE <i>(i.e.: vegetation, forest, etc.)</i>		WILDLIFE / LIVESTOCK			Indicate Low / Med / Critical	
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>		ENGINEERING CONTROLS / EQUIPMENT / RESOURCES

Redacted – NEB Order AO-001-MO-006-2016,
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LAND USE <i>(i.e.: vegetation, forest, etc.)</i>		WILDLIFE / LIVESTOCK	HAZARD			HAZARD
HAZARD	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Yes <i>If applicable</i>	Indicate Low / Med / Critical	ENGINEERING CONTROLS / EQUIPMENT / RESOURCES
<p>Redacted – NEB Order AO-001-MO-006-2016, s. 1.a.ii. - Facility / Pipeline technical information, disclosure of which would risk security</p>						

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1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	POSITION	NAME	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1	Area Foreman	[REDACTED]	Lloydminster Office	✓
2	Assistant Foreman	[REDACTED]	Blackfoot Office	✓
3	Operations Superintendent	[REDACTED]	Lloydminster Office	✓
4	Area Safety & Compliance Coordinator	[REDACTED]	Bonnyville Office	
5	Surface Landman	[REDACTED]	Lloydminster Office	✓
6	Manager Eastern Field Operations	[REDACTED]	Calgary Office	
7	Emergency Response Mobile Cart	Emergency Response Mobile Cart	Calgary Office	
8	Calgary Office Command Centre	Calgary Office Command Centre	Calgary Office – BHE 26002	
N/A	Roadblock Kit			

*	<i>Roadblock Role Checklist and Information, Roadblock Control Log and Map only</i>
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s. 1.a.i. – Personal Information

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1.2 EXTERNAL COPIES

COPY #	ORGANIZATION	NAME	LOCATION
9	National Energy Board	NEB – Hard Copy	517 – 10 Avenue SW Calgary AB T2R 0A8
CD	National Energy Board	NEB	517 – 10 Avenue SW Calgary AB T2R 0A8
Email	County of Vermilion River	[REDACTED] Chief Administrative Officer	[REDACTED]
Email	Rural Municipality of Britannia	[REDACTED] EMO Coordinator	[REDACTED]
Email	AHS – Central Zone	[REDACTED] Central Zone Manager, Environmental Public Health	[REDACTED]
Email	Prairie North Health Region	[REDACTED] Director of Emergency Health Services	[REDACTED]

Email	Received a copy of the complete Emergency Response Plan via email
CD	Received a copy of the complete Emergency Response Plan on CD

Redacted – NEB Order AO-001-MO-006-2016, s. 1.a.i. – Personal Information

EXTERNAL ERP DISTRIBUTION DISCLAIMER:


Please note that Canadian Natural is attempting to reduce our environmental impact and streamline our distribution processes, therefore we will no longer be forwarding our emergency response plan documents in hard copy form. The Site Specific ERP and Public Information Package will be forwarded to you **electronically as PDF documents**, while our Corporate ERP can be found on our website here:

<https://www.cnrl.com/corporate-responsibility/health-and-safety/emergency-management>

Please disregard any attachments that you do not require. Thank you.

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

- Residents / Businesses
- Public Facilities
- Registered Trappers
- Grazing Lease Holders
- Grazing Reserves
- Forestry Management Areas

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1.3 AMENDMENT RECORD

AMENDMENT PROTOCOL

Canadian Natural is committed to the continuous improvement of its documentation. The Emergency Management Team is responsible for the maintenance and distribution of the Corporate Emergency Response Plan (ERP) and Site-Specific ERPs on an on-going basis. Canadian Natural’s Senior Management has overall accountability and authority for these documents.

Canadian Natural’s ERPs are subject to annual reviews and updates at minimum by Emergency Management Team and more often if major changes are required. All contact information is subject to a continuous review and any changes made will be distributed on an annual basis or more frequently if required.

Notification of errors will be reviewed immediately and addressed according to significance. Any suggestions for improvements will be considered for the next update by the Emergency Management Team. The notification of error and / or suggestion for improvement should include a) the ERP name, b) section(s) and page number(s) affected and c) the rationale (for suggestions for improvement). This information should be directed to:

Canadian Natural Resources Limited

2100, 855 – 2 Street SW, Calgary, Alberta T2P 4J8


Attention: [REDACTED]

Email: [REDACTED]

Phone: [REDACTED] **Fax:** [REDACTED]

DATE	DETAILS	CHANGED BY
February, 2015	Ver. 7-0 Revised to New Template; Annual Update	[REDACTED]
April, 2015	Ver. 7-1 Revised to NEB March 26, 2015 Guidelines	[REDACTED]
April, 2016	Ver. 8-0 Annual update	[REDACTED]
March 30, 2017	Ver. 9-0 Annual update	[REDACTED]
March 29, 2018	Ver. 10-0 Annual update	[REDACTED]

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2 GENERAL INFORMATION

2.1 EMERGENCY RESPONSE PLAN (ERP) INTRODUCTION AND SUMMARY

2.1.1 FACILITY LOCATION


FACILITY LOCATION	Greenstreet [REDACTED] Pipeline	
PHONE NUMBERS	NUMBER	DESCRIPTION
	N/A	Office
	N/A	Fax

DISTRICT OFFICE	Lloydminster	
PHONE NUMBERS	NUMBER	DESCRIPTION
	780-875-9186	Office
	780-875-7752	Fax

2.1.2 INCIDENT COMMAND POST (ICP) / EMERGENCY OPERATIONS CENTRE

DISTRICT OFFICE MAILING ADDRESS	Lloydminster District Office 6603 – 44 Street Lloydminster AB T9V 2G6	
PHONE NUMBERS	NUMBER	DESCRIPTION
	780-875-9186	Office
	780-875-7752	Fax

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


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2.1.3 GENERAL LAND USE AND POPULATION DENSITY

Local Municipality		County of Vermilion River Rural Municipality of Britannia
Land Use of Area Surrounding Facility		Mixed farmland and oil and gas operations
POPULATION DENSITY (WITHIN EPZ)		
NUMBER	TYPE	DESCRIPTION
3	Residences	
0	Businesses / Organizations	
0	Public Facilities / Recreational Areas	
0	Trappers	
0	Forest Management Areas	
0	Grazing Leases/Reserves	
0	First Nations Groups	
0	Lakes / Rivers	
1	Public Highways	Hwy 17
0	Other	


2.1.4 SAFE LOCATIONS

On-Site Muster Area	Upwind side of incident
Off-Site Staging Area	Depending on Emergency Location

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2.1.5 EMERGENCY EQUIPMENT

TYPE	QUANTITY	LOCATION / NOTES
Personal Gas Monitor	2	Each operator
First Aid Kit	2	Each operator's truck
Burn Kit	0	
Eye Wash Station (15 min flow)	0	
Eye Wash Station (1 litre bottle)	0	
Fire Extinguisher	2	Each operator's truck
Ignition Equipment	0	
Portable Gas Detector	0	
SABA	0	
SCBA	0	
Wheeled Fire Extinguisher	0	
Fire Blanket	0	

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2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID

Canadian Natural maintains emergency response support / mutual aid understandings with local authorities impacted by this ERP and information from these agreements are included in the tables below. These agreements 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

EXTERNAL EMERGENCY RESPONSE PLANS: LOCAL MUNICIPALITIES

COUNTY OF VERMILION RIVER
Contacted [REDACTED], Chief Administrative Officer on November 20, 2017
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


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

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2.1.6 MUTUAL AID / EXTERNAL EMERGENCY RESPONSE PLANS (CONTINUED)

EXTERNAL EMERGENCY RESPONSE PLANS: LOCAL MUNICIPALITIES (CONTINUED)
RURAL MUNICIPALITY OF BRITANNIA Contacted [REDACTED], EMO Coordinator on November 20, 2017 <p>The Rural Municipality will implement their Municipal Emergency Plan in the event of an emergency. The RM may:</p> <ul style="list-style-type: none"> • 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 • May assist with accessing SaskAlert, Saskatchewan’s emergency public alerting program <p>For disaster services or emergency medical services; dial; 9-1-1.</p>

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2.1.6 MUTUAL AID / EXTERNAL EMERGENCY RESPONSE PLANS (CONTINUED)

EXTERNAL EMERGENCY RESPONSE PLANS: LOCAL HEALTH SERVICES


ALBERTA HEALTH SERVICES – CENTRAL ZONE

Contacted [REDACTED], Central Zone Manager, Environmental Public Health on November 20, 2017

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. The 911 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 information.
- Conduct assessments, inspections and give regulatory direction, when appropriate, to ensure the requirements of provincial legislation and EPH program areas of responsibilities for public health protection and disease prevention are maintained.
- Notify the Zone Medical Officer of Health of any incident affecting or potentially affecting other AHS programs or facilities. The Zone MOH will notify and coordinate emergency response in other program areas and facilities as necessary.
- Establish EPH emergency management operations, when appropriate, to support regional response efforts and liaise with the Government Emergency Operations Centre, Municipal Emergency Operations Centre and/or Industry Emergency Operations Centre, if needed.
- Assist the Zone Medical Officer of Health, local municipal authority, and Public Information/Communication officers in the development, issuance, and rescinding of public health, public evacuation and shelter-in-place advisories.
- Provide guidance to stakeholders on matters relating to evacuation of the public and/or public facilities, and the re-occupancy of those evacuated areas or facilities.
- Record and respond to health complaints or concerns from the public during and following an incident.
- Participate in stakeholder debriefings as necessary.

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2.1.6 MUTUAL AID / EXTERNAL EMERGENCY RESPONSE PLANS (CONTINUED)

EXTERNAL EMERGENCY RESPONSE PLANS: LOCAL HEALTH SERVICES
<p>PRAIRIE NORTH HEALTH REGION</p> <p>Contacted [REDACTED], Director of Emergency Health Services on November 20, 2017</p> <p>In the event of an emergency, Prairie North Health Region will at a:</p> <p>Level 1 Low Impact Event:</p> <ul style="list-style-type: none"> • Receive notification starting at this Level and may respond to inquiries from the public, Media if notified <p>Level 2 Moderate Impact Event or Level 3 High Impact Event:</p> <ul style="list-style-type: none"> • Ensure that local hospitals are alerted when there is a potential for an impact from a release • Provide appropriate representation at the Off-Site Emergency Operations Centre or Incident Command Post when it is established or when requested • Provide health related information about toxic chemicals to the Emergency Operations Centre, the Public Information Officer, the Media and the general public as required • Provide guidance on the development of public health advisories, public evacuation and sheltering • Monitor the health effects resulting from the event and ensure appropriate data is collected and maintained • Investigate health effects complaints

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2.1.6 MUTUAL AID / EXTERNAL EMERGENCY RESPONSE PLANS (CONTINUED)

MUTUAL AID

LOCAL MUNICIPALITIES

Any time an emergency occurs which involves the evacuation of more people than Canadian Natural personnel can handle, the County of Vermilion River and Rural Municipality of Britannia will be notified to assist. It is essential that Canadian Natural's Incident Commander or designate maintain communication with each local authority's Coordinator to ensure that responses are coordinated.

The County of Vermilion River has access to traffic control equipment (barricades, etc.) and heavy equipment as owned and maintained by the County's Public Works Department. The County has several volunteer Fire Departments including: Blackfoot Fire Department, Clondonald Fire Department, Dewberry Fire Department, Islay Fire Department, Kitscoty Fire Department, Marwayne Fire & Rescue Department, Paradise Valley Fire Department and Vermilion Fire & Rescue Department. The County currently maintains Mutual Aid Agreements with the Villages of Marwayne, Dewberry, Paradise Valley, Kitscoty and the Town of Vermillion.

The Rural Municipality of Britannia has access to traffic control equipment (barricades, etc.) and heavy equipment that may be required. The volunteer-based Britannia Wilton Fire Department provides firefighting services for the Rural Municipality of Britannia and the Rural Municipality of Wilton.

LOCAL RCMP DETACHMENTS

No consultation with local detachments required as per RCMP K Division (Alberta) March 30, 2017

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


OTHER INDUSTRIAL OPERATORS

Other pipeline licensees that operate in the EPZ but are not tied into Canadian Natural's gathering systems will be responsible for their own emergency response actions as required. These licensees are listed in the Public Notifications, Industrial Operators section, along with their emergency contact numbers.

It is generally understood that in the event of an emergency if another industrial operator is the first to identify the situation their initial response will be to notify Canadian Natural immediately. If Canadian Natural personnel are the first ones to identify the emergency, they will immediately notify all other industrial operators that may be affected.

Canadian Natural would provide First Responder actions for an emergency involving other operated assets, with immediate notification to the well or the pipeline licensee.

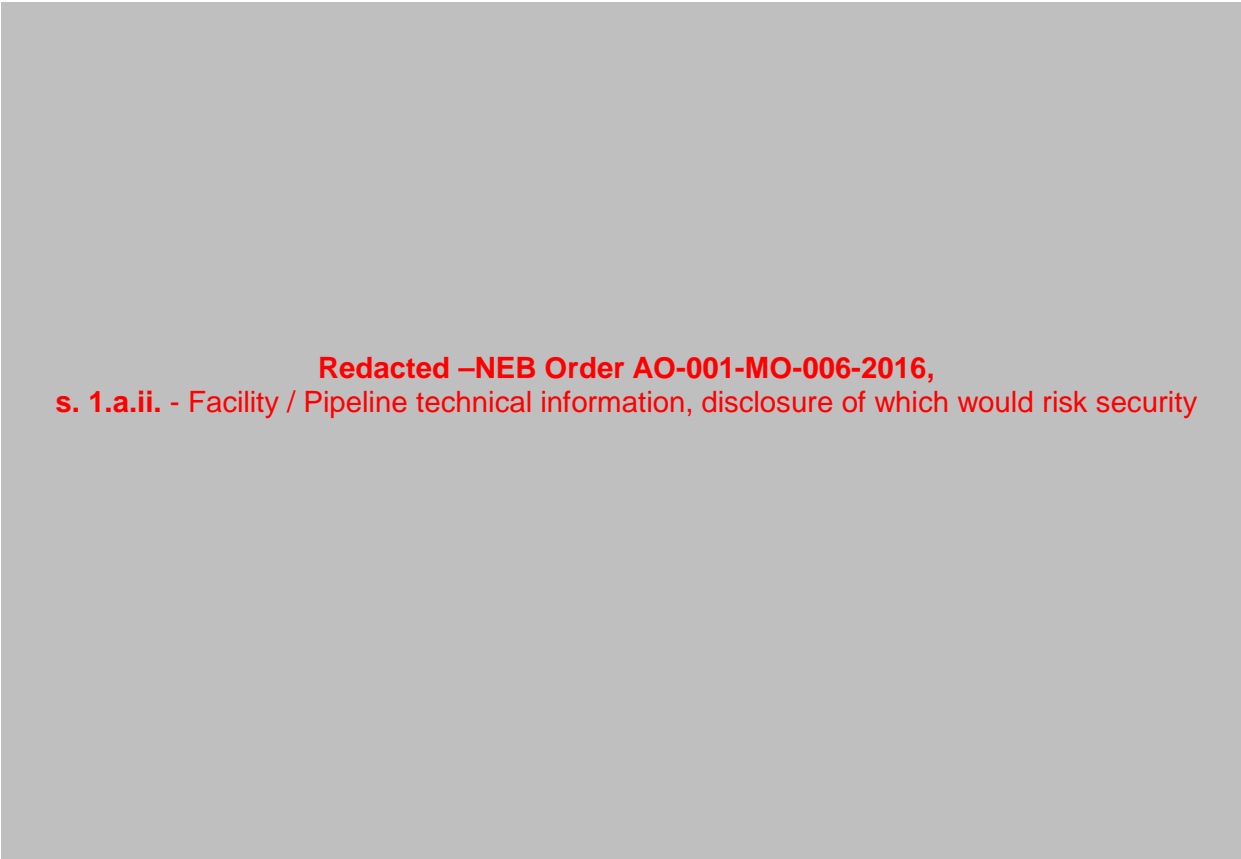
Canadian Natural does not currently participate in any formal mutual aid agreements with other industrial operators for this ERP; however, reciprocal emergency response assistance on a service level may be possible in the event of an emergency, depending on equipment / personnel resources and availability.

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2.1.7 DRIVING DIRECTIONS AND MAP

DRIVING ROUTE				
Driving directions to preferred staging area locations to be determined by field operations at the time of an incident.				
PROXIMITY TO NEAREST URBAN CENTRE				
[REDACTED]				
LATITUDE AND LONGITUDE COORDINATES				
Greenstreet – no facilities at this location	LATITUDE		LONGITUDE	




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

2.1.8 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

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 the contract services section of this manual.


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

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2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT FACILITY	TYPE	DESCRIPTION
Y	24-Hour Emergency Phone 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 (on sales line)	Supervisory Control and Data Acquisition – 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.
N	Alarm & 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	H ₂ S 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.

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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. In the event that more portable radios are required than are available, contact should be made with service providers as listed below or in the Contract Services section “Safety Services / Communication Equipment.”

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. In case of an emergency where they may be required, two-way radios may be obtained from Midwest Communications (780-808-2223) or TL Communications (780-871-2825) in Lloydminster. Radio frequencies will be assigned as required.
Land Line	There are no landlines available on site.

2.3.2 RADIO FREQUENCIES

NAME	RECEIVE NUMBER	TRANSMIT NUMBER
N/A		

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3 CONTACTS AND TELEPHONE LISTS


Redacted – NEB Order AO-001-MO-006-2016,
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3.1 COMPANY EMERGENCY NUMBERS

POSITION	NAME	CELL	OFFICE
Area Foreman	[REDACTED]	[REDACTED]	[REDACTED]
Assistant Foreman	[REDACTED]	[REDACTED]	[REDACTED]
Operations Superintendent	[REDACTED]	[REDACTED]	[REDACTED]
Area Safety & Compliance Coordinator	[REDACTED]	[REDACTED]	[REDACTED]
Surface Landman	[REDACTED]	[REDACTED]	[REDACTED]
Health & Safety Manager	[REDACTED]	[REDACTED]	[REDACTED]
Emergency Management Lead	[REDACTED]	[REDACTED]	[REDACTED]
Manager, Eastern Field Operations	[REDACTED]	[REDACTED]	[REDACTED]
Vice President, Eastern Field Operations	[REDACTED]	[REDACTED]	[REDACTED]
Calgary Command Centre	Room 26002		[REDACTED]


3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATIONS DETAILS CHART)

NAME	LOCATION	TELEPHONE	
ALBERTA			
National Energy Board (NEB) <i>See Forms & Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	Online Event Reporting System (OERS)		https://apps.neb-one.gc.ca/ers
	Incident Line (all other incidents)	24-Hour	403-807-9473
	Calgary Office	Main	403-292-4800
Transportation Safety Board (TSB) <i>See Forms & Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	Reporting Hotline	24-Hour	1-819-997-7887
		Fax	1-819-953-7876
	Email Address	PipelineNotifications@tsb.gc.ca	
Energy & Environmental Response Line To be used to contact Alberta Environment / Alberta Energy Regulator (AER)	Province-Wide	24- Hour	1-800-222-6514
	Bonnyville Field Centre	24-Hour	780-826-5352
County of Vermilion River	Kitscoty AB	24-Hour	780-846-2929
		Office	780-846-2244
Alberta Health Services – Central Zone	Province-Wide	24-Hour	1-844-755-1788
		Email	[REDACTED]
RCMP – Kitscoty Detachment	Kitscoty AB	24-Hour Emergency	9-1-1 780-846-2897

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3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)


NAME	LOCATION	TELEPHONE	
SASKATCHEWAN			
National Energy Board (NEB) <i>See Forms & Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	<i>Online Event Reporting System (OERS)</i>	<i>https://apps.neb-one.gc.ca/ers</i>	
	Incident Line (all other incidents)	24-Hour	403-807-9473
	Calgary AB	Office	403-292-4800
Transportation Safety Board (TSB) <i>See Forms & Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	Reporting Hotline	24-Hour	1-819-997-7887
		Fax	1-819-953-7876
	<i>Email Address</i>	<i>PipelineNotifications@tsb.gc.ca</i>	
SK Ministry of Economy (ECON) Petroleum and Natural Gas Emergency Support Line	Regina SK	24-Hour	1-844-764-3637
SK Ministry of Government Relations: - Emergency Management & Fire Safety	Regina SK	24-Hour (SK Only)	306-787-9563
Rural Municipality of Britannia	Lloydminster SK	24-Hour	306-821-0658
		Office	306-825-2610
Prairie North Health Region	North Battleford SK	Office	306-446-6606
RCMP Detachments	Lloydminster SK	24-Hour Emergency	9-1-1 306-808-8400
	Maidstone SK	24-Hour Emergency	9-1-1 306-893-4800

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3.3 PROVINCIAL GOVERNMENT CONTACTS


NAME	LOCATION	TELEPHONE	
ALBERTA			
Energy & Environmental Response Line To be used to contact Alberta Environment / Alberta Energy Regulator (AER)	Province-Wide	24-Hour	1-800-222-6514
	Bonnyville AB	24-Hour	780-826-5352
Alberta Emergency Management Agency	Edmonton AB	24-Hour	1-866-618-2362
Alberta Environment and Parks (AEP) Fish & Wildlife	Report a Poacher	24-Hour	1-800-642-3800
	Lloydminster AB	Office	780-871-6495
Alberta Environment and Parks (AEP) Wildfire Reporting	Toll Free	24-Hour	1-866-394-3473
	Province-Wide	24-Hour	403-310-3473
Alberta Agriculture and Forestry (AAF) – Forest Protection	Province-Wide	24-Hour	310-FIRE (3473)
Alberta Environment and Parks (AEP) - Lands & Forests	St. Paul AB	Office	780-464-7955
Alberta Transportation	Edmonton AB	24-Hour	1-800-272-9600
Alberta Health Services	Province-Wide	24-Hour	1-844-755-1788
		Email	[REDACTED]
Occupational Health & Safety	Province-Wide	24-Hour	1-866-415-8690
Workers' Compensation Board	Province-Wide	24-Hour	1-866-922-9221

Redacted – NEB Order AO-001-MO-006-2016, s. 1.a.i. – Personal Information

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3.3 PROVINCIAL GOVERNMENT CONTACTS (CONTINUED)

NAME	LOCATION	TELEPHONE	
SASKATCHEWAN			
SK Ministry of Economy (ECON) Petroleum and Natural Gas Emergency Support Line	Regina SK	24-Hour Phone	1-844-764-3637
SK Ministry of Government Relations: - Emergency Management & Fire Safety	Regina SK	24-Hour Admin (SK)	306-787-9563
SK Ministry of Environment: - Environmental Protection - Wildfire Management - Fish & Wildlife - Forest Service	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
	ParkWatch	24-Hour	1-800-667-1788
	Inquiry Centre	Toll free	1-800-567-4224
SK Ministry of Highways and Infrastructure: - Highway Hotline for Road Info	Road Restrictions – All Other Areas	24-Hour (SK)	1-888-335-7623
Prairie North Health Region	North Battleford SK	Office	306-446-6606
Occupational Health and Safety	Province-Wide	Toll free	1-800-567-7233
Workers' Compensation Board	Province-Wide	Toll free	1-800-667-7590

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3.4 EMERGENCY SERVICE NUMBERS

NAME	LOCATION	TELEPHONE	
ALBERTA		ALL EMERGENCY SERVICES CALL 9-1-1	
RCMP	Kitscoty Detachment Kitscoty AB	24-Hour	9-1-1 780-846-2897
Hospital	Lloydminster Hospital Lloydminster SK	24-Hour	306-820-6000
	Maidstone Health Complex Maidstone SK	24-Hour	306-893-2622
Ambulance	Province-Wide	24-Hour	9-1-1
Fire Department	Province-Wide	24-Hour	9-1-1
SASKATCHEWAN		ALL EMERGENCY SERVICES CALL 9-1-1	
RCMP	Lloydminster Detachment Lloydminster SK	24-Hour	9-1-1 306-808-8400
	Maidstone Detachment Maidstone SK	24-Hour	9-1-1 306-893-4800
Hospitals	Lloydminster Hospital Lloydminster SK	24-Hour	306-820-6000
	Maidstone Health Complex Maidstone SK	24-Hour	306-893-2622
Ambulance	Province-Wide	24-Hour	9-1-1
Fire Department	Province-Wide	24-Hour	9-1-1

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3.5 TDG / LPG (PROPANE AND BUTANE) EMERGENCY NUMBERS

NAME	CONTACT	TELEPHONE NUMBER	
Transport Canada (CANUTEC) – TDG Emergencies	Call Centre	24-Hour	613-996-6666
Emergency Response Assistance Canada (ERAC) Canadian Natural ERAP Number: [REDACTED]	Call Centre (Propane and butane emergencies only)	24-Hour	1-800-265-0212


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

3.6 MUNICIPAL GOVERNMENT CONTACTS (FOR NOTIFICATION PURPOSES ONLY)

NAME	LOCATION	TELEPHONE NUMBER	
County of Vermilion River	Kitscoty AB	24-Hour	780-846-2929
		Office	780-846-2244
Rural Municipality of Britannia	Lloydminster SK	24-Hour	306-821-0658
		Office	306-825-2610

3.7 FEDERAL GOVERNMENT CONTACTS


NAME	LOCATION	CONTACT INFORMATION	
National Energy Board (NEB) <i>See Forms & Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	<i>Online Event Reporting System (OERS)</i>	https://apps.neb-one.gc.ca/ers	
	Incident Line (all other incidents)	24-Hour	403-807-9473
	Calgary AB	Office	403-292-4800
Transportation Safety Board (TSB) <i>See Forms & Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	Reporting Hotline	24-Hour	1-819-997-7887
		Fax	1-819-953-7876
	<i>Email Address</i>	PipelineNotifications@tsb.gc.ca	
Indian Oil & Gas Canada	Tsuu T'ina AB	Office	403-292-5625
		Fax	403-292-5618
Environment Canada <i>(will be notified through the respective provincial or territorial government)</i>	Alberta Environment and Parks	24-Hour	1-800-222-6514
	Saskatchewan Ministry of Environment	24-Hour	1-800-667-7525

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3.8 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
AIR QUALITY MONITORING			
Alberta Energy Regulator <i>(not a contract service)</i>	Province-Wide	24-Hour	1-800-222-6514
Firemaster Oilfield Services Inc.	Province-Wide	24-Hour	403-342-7500
HSE Integrated Ltd.	Province-Wide	24-Hour	1-888-346-8260
Promet Environmental Group Ltd.	Province-Wide	24-Hour	1-877-577-6638
Trojan Safety Services	Province-Wide	24-Hour	250-785-9557 1-877-785-9558
AIRCRAFT / HELICOPTERS			
Border City Aviation Ltd	Lloydminster AB	24-Hour	780-875-5834
Central Mountain Air Charters	Calgary AB	24-Hour	1-866-731-7992
Courtesy Air	Lloydminster AB	Office	780-875-5111
Star Helicopters Ltd	Cold Lake AB	Office	780-639-2770
SAFETY SERVICES / COMMUNICATION EQUIPMENT			
HSE Integrated Ltd.	Province-Wide	24-Hour	1-888-346-8260
Trojan Safety Services	Province-Wide	24-Hour	250-785-9557 1-877-785-9558
United Safety Ltd.	Province-Wide	24-Hour	1-800-432-1809
WELL BLOWOUT CONTROL			
Firemaster Oilfield Services	Province-Wide	24-Hour	403-342-7500
HSE Integrated Ltd.	Province-Wide	24-Hour	1-888-346-8260
Safety Boss Inc.	Province-Wide	24-Hour	1-800-882-4967
WESTERN CANADIAN SPILL SERVICES (WCSS)		24-HOUR EMERGENCY 1-866-541-8888	
AREA "VR-1"			
Coop Chairman Derren Weimer, Canadian Natural	Lloydminster AB	Cell	780-205-1193
Regional Custodian Husky Pipeline Yard	55 Avenue & 55 Street Lloydminster AB	24-Hour	780-871-6621
Equipment Custodian Cenovus	Hwy 55 & Hwy 41 LaCorey AB	Office	780-573-7375

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4 PUBLIC NOTIFICATIONS

4.1 AUTOMATIC PUBLIC NOTIFICATION SYSTEM – NOT APPLICABLE

CommAlert	
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4.2 NOTIFICATION PROCEDURES

***NOTE: COMMALERT IS NOT AVAILABLE FOR THIS PLAN**

If an emergency occurs that involves only a few residents, the Public Safety Chief will designate Telephone Callers to relay messages of notification, shelter-in-place or evacuation. Refer to the Public Safety Chief section for procedures and scripts.

If an emergency occurs that involves too many residents for Canadian Natural personnel to notify in a timely manner, the CommAlert system will be activated. The following procedure will be used:


1. Prepare the following information, prior to calling CommAlert (the number is shown in Step 2):
 - a. Identify the name of the **Emergency Response Plan**
 - b. Identify which **map quadrants** and **house letters or numbers** are affected by the emergency
 - c. Identify which **message** is to be relayed (either shelter-in-place or evacuation)
 - d. Identify which **Reception Center** should be activated
2. Call CommAlert at 1-877-304-8725 and identify that there is an emergency situation and that a call-out is required. CommAlert will follow their Standard Operating Procedures (as found in the Corporate ERP Manual Emergency Response Toolbox) and ask for the information outlined therein.
3. After the call-out, CommAlert will send a report of the results within 15 minutes, by either e-mail (preferred) or fax. They will ask for a preference and for a fax number or e-mail address. The report will include which residents responded that they would evacuate immediately or stay in their homes (shelter), which residents require assistance and which residents did not respond to the message.
4. Canadian Natural will then dispatch Rovers to assist those residents who require assistance. Residences that did not respond to the message will need to be contacted by a Telephone Caller or a Rover.
5. Once the emergency has been resolved, CommAlert, if requested, can relay an All Clear message.

Here are the three (3) message choices that can be sent automatically by the CommAlert system:

Sheltering Message

This is the Canadian Natural emergency communication system. We are calling to advise you that we are experiencing operational difficulties near your residence. You are in no immediate danger; however we advise that you take shelter and remain indoors until we have called you with an All Clear message. Until then, stay inside and close and lock all windows and outside doors. Turn off all appliances and equipment with exterior vents and turn down your furnace to the minimum setting. We ask that you limit the use of your phone so that we can call you with further information. Please listen to the following menu:

- If you will remain in your home until you receive an All Clear message please press 1.
**System response: Thank you we have received your response.*
- If you do not wish to remain in your home, please press 2 to have a Canadian Natural representative call you with further instructions.
**System response: Thank you we have received your response.*
- To replay this message, please press 3.

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4.2 NOTIFICATION PROCEDURES (CONTINUED)

Evacuation Message

This is the Canadian Natural emergency communication system. We are calling to advise you that we have encountered operational difficulties near your residence. For your safety, we are requesting that you leave the area and proceed to the _____ Reception Centre at _____. It is very important that you check in at this Reception Centre so that we can provide you with more information. Please listen to the following menu:

- If you will proceed to the Reception Centre, **please press 1**. Your concerns will be addressed at that time.
**System response: Thank you we have received your response.*
- If you require assistance to evacuate, **please press 2**. Keep all your windows and outside doors closed and locked and other outside vents shut. Please remain indoors and limit the use of your phone until we can contact you to see what help you need or that help has arrived.
**System response: Thank you we have received your response.*
- To replay this message, **please press 3**.

All Clear Message


This is the Canadian Natural emergency communication system. We are calling to advise you that we have resolved the operational difficulties we experienced in your area. There is no longer any cause for concern. We apologize for any inconvenience this situation may have caused. Please listen to the following menu:

- To let Canadian Natural know that you have received this message, **please press 1**.
**System response: Thank you we have received your response.*
- To replay this message, **please press 2**.

4.3 RECEPTION CENTRE(S)

A Reception Centre has 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 Hotel & Suites	5612 – 44 Street Lloydminster AB T9V 0B6	Office : 780-870-5050

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4.4 RESIDENT INFORMATION

[REDACTED]

4.5 BUSINESS / PUBLIC FACILITY INFORMATION

[REDACTED]

[REDACTED]

Redacted – NEB Order AO-001-MO-006-2016, s. 1.a.i. – Personal Information

4.6 SCHOOL 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 / guardian are located. Private schools must be contacted directly.

SCHOOL DIVISION	SCHOOL NAME	TELEPHONE NUMBER
There are no school divisions affected by this Emergency Response Plan.		

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 Emergency Planning Zone (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(s):

INDUSTRIAL OPERATOR NAME	OPERATIONS DESCRIPTION	TELEPHONE NUMBER	
Husky Energy	Pipelines in the area	24-Hour Emergency	1-877-262-2111
Keyera Energy Ltd.	Pipelines in the area	24-Hour Emergency	1-866-377-7110

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4.8 TRAPPER INFORMATION

REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

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

Land Use Disposition Types

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


REGISTERED NUMBER	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.10 FOREST MANAGEMENT AREA(S)

REGISTERED NUMBER	NAME	ADDRESS	TELEPHONE NUMBER
N/A			

4.11 FIRST NATIONS


NAME	CONTACT	TELEPHONE NUMBER	COMMENTS
N/A			

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5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES


LOCATION	FACILITY TYPE	FACILITY CODE	SUB	STATUS	VOL (M ³)	EPZ (M)
N/A						

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5.2.2 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
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>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, water or abandoned pipelines have been included in the following list(s) with the exception of any Canadian Natural National Energy Board (NEB) regulated lines in operation.

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5.2.3 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES


Provincial LICENSE OR NEB 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: 80043 SK: 280637 **NEB: AO-004-XG-M94-59-94	1	CNRL	NG	O	[REDACTED]	WE	[REDACTED]	PL	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	320

**** NEB REGULATED PIPELINE.** For any emergency involving NEB regulated pipelines, contact NEB first then the applicable provincial authorities (courtesy call only). Refer to reporting requirements and contact information in Section 3.6 “Federal Government Contacts”.

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

5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

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

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6 MAPS AND PUBLIC INFORMATION PACKAGE

The NEB does not require the inclusion of the Public Information Package in 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:

- Residents / Businesses
- Public Facilities
- Registered Trappers
- Grazing Lease Holders
- Grazing Reserves
- Forestry Management Areas

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