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


AREA NAME	LOCATION	SOUR/ SWEET
Drake	[REDACTED]	Sour
Ladyfern	[REDACTED]	Sweet
Mearon	[REDACTED]	Sweet
NEB Regulated Pipeline-Ladyfern	[REDACTED]	NEB Order # A0-1-XG-C298-38-2001
NEB Regulated Pipeline-Ladyfern	[REDACTED]	NEB Order # AO-02-XG-M023-3-2002
NEB Regulated Pipeline-Ladyfern	[REDACTED]	NEB Order # XG-C298-022-2013

**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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AREA NAME & LOCATION: DRAKE/ LADYFERN		COMPLETED BY: DAVID DUKE			DATE: DEC. 21, 2015 REVIEWED: MAR. 28, 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>	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,**  
**s. 1.a.ii. - Facility / Pipeline technical information, disclosure of which would risk security**

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	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>	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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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

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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

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IDENTIFY HAZARD	HAZARD AFFECTS					WHAT MITIGATION MEASURES ARE AVAILABLE / NEEDED
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		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
<p><b>Redacted – NEB Order AO-001-MO-006-2016, s. 1.a.ii. - Facility / Pipeline technical information, disclosure of which would risk security</b></p>						

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## 1 SITE SPECIFIC DISTRIBUTION LIST

### 1.1 INTERNAL COPIES

COPY #	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1	[REDACTED]	Foreman	Fort St. John Office	✓
2	[REDACTED]	Assistant Foreman	Truck	✓
3	Site – Drake [REDACTED]	Facility	[REDACTED]	
4	Site – Ladyfern [REDACTED]	Facility	[REDACTED]	
5	Site – Ladyfern [REDACTED]	Facility	[REDACTED]	
6	Site – Mearon [REDACTED]	Facility	[REDACTED]	
7	Site – Velma [REDACTED]	Facility	[REDACTED]	
8	[REDACTED]	Operations Superintendent	Fort St. John Office	✓
9	[REDACTED]	Manager, Northern Field Operations	Calgary Office	
10	[REDACTED]	Area Safety & Compliance Coordinator	Fort St. John Office	
11	Surface Landman	Surface Landman	Fort St. John Office	✓
12	Emergency Response Mobile Cart	Emergency Response Mobile Cart	Calgary Office	
13	Calgary Office Command Center	Calgary Office Command Center	Calgary Office BHE 26002	
*	Roadblock Kit	Site – Drake [REDACTED]	[REDACTED]	
*	Roadblock Kit	Site – Ladyfern [REDACTED]	[REDACTED]	
*	Roadblock Kit	Site – Ladyfern [REDACTED]	[REDACTED]	
*	Roadblock Kit	Site – Mearon [REDACTED]	[REDACTED]	
*	Roadblock Kit	Site – Velma [REDACTED]	[REDACTED]	
* <i>Roadblock Role Checklist and Information, Roadblock Control Log and Map only</i>				

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

## 1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
14	Emergency Response and Safety Inspector	British Columbia Oil and Gas Commission	6534 Airport Road Fort St. John, BC V1J 4M6
SFTP	British Columbia Oil and Gas Commission (uploaded via OGC FTP site)	British Columbia Oil and Gas Commission	6534 Airport Road Fort St. John, BC V1J 4M6 [REDACTED]
15	NEB – Hard Copy	National Energy Board	517 – 10 <sup>th</sup> Avenue SW, Calgary, AB T2R 0A8
CD	NEB – Electronic Copy	National Energy Board	517 – 10 <sup>th</sup> Avenue SW, Calgary, AB T2R 0A8
*	Manager of Community Services	Peace River Regional District	P. O. Box 810 1981 Alaska Avenue Dawson Creek, BC V1G 4H8 [REDACTED]
*	Director of Emergency Management	Clear Hills County	Box 240, Worsley, AB T0H 3W0 [REDACTED]
PIP Only	[REDACTED], Director	Health Emergency Management British Columbia (HEM BC)	600 – 299 Victoria St Prince George, BC V2L 5B8 [REDACTED]
*	Director, Environmental Public Health	Alberta Health Services – North Zone	11202- 100 Avenue High Level AB T0H 1Z0 [REDACTED]
SFTP	<i>Submitted electronic copy of ERP via BCOGC's Secure File Transfer Protocol site</i>		
*	<i>Received an electronic copy of the complete Emergency Response Plan.</i>		
CD	<i>Received a copy of the complete Emergency Response Plan on CD</i>		
PIP Only	<i>Received a copy of the Public Information Package on CD</i>		

### 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]

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

TABLE OF REVISIONS					
Date (Y/M/D)	Rev #	Revision Details	Annual Update (Y / N)	Date inserted into ERP (Y/M/D)	Signature
May, 2016	0-0	Rev. 0-0 - ERP created - Reviewed gathering system and calculated EPZs - Map created and updated to reflect all changes (no residents in EPZs) - All emergency contact information verified and updated. - Incorporated NEB Ladyfern/ Mearon ERP	Y		
March 31, 2017	1-0	Rev. 1-0 - Reviewed gathering system and calculated EPZs - Added All Hazards EPZs to all wells and pipelines. - Map updated to reflect all changes (no residents in EPZs) - All emergency contact information verified and updated.	Y		
March 29, 2018	2-0	Rev. 2-0 - Reviewed gathering system and calculated EPZs - Map updated to reflect all changes (no residents in EPZs) - All emergency contact information verified and updated.	Y		

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## 2 GENERAL INFORMATION

### 2.1 INTRODUCTION AND SUMMARY

#### 2.1.1 FACILITY GENERAL INFORMATION


<b>FACILITY LOCATIONS:</b>	[REDACTED]	
<b>FACILITIES</b>	<b>PHONE NUMBER</b>	<b>DESCRIPTION</b>
<b>TELEPHONE NUMBERS</b>	250-263-6308	Ladyfern West Office
	250-263-6319	Ladyfern West Camp
	250-263-6315	Ladyfern East Office
	[REDACTED]	Emergency Cell – Ladyfern East

<b>DISTRICT OFFICE</b>	Fort St. John	
<b>MAILING ADDRESS</b>	Bag 6450 Fort St. John BC V1J 4H9	
<b>TELEPHONE NUMBERS</b>	250-785-3085	Business
	250-785-3055	Fax
	[REDACTED]	On-Call Pager

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

<b>DISTRICT OFFICE LOCATION</b>	6744 Airport Road Fort St. John BC V1J 4H9	
<b>TELEPHONE NUMBERS</b>	250-785-3085	Business
	250-785-3055	Fax
	[REDACTED]	On-Call Pager

**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

<b>Name of Municipal District / County: Forest Region</b>		Peace River Regional District (BC) Clear Hills County (AB)
<b>Land use of area surrounding facility:</b>		Forestry, Trapping, Mixed Farming, Oil & Gas
<b>POPULATION DENSITY (WITHIN EPZ):</b>		
<b>NO.</b>	<b>TYPE</b>	<b>DESCRIPTION</b>
0	Residences	
0	Businesses / Organizations	
0	Public Facilities / Recreational Areas	
1	Trappers/ Guide Outfitters	[REDACTED]. See Section 4.8.
0	Grazing Leases/Reserves	
0	Forest Management Areas	
0	First Nation Groups	
Several	Lakes / Rivers	Milligan Creek, Flick Creek, Adskwatim Creek, Chinchaga Lakes, several other unnamed lakes and tributaries.
	Other	

### 2.1.4 SAFE LOCATIONS


<b>On Site Muster Area</b>	Upwind side of incident
<b>Off-Site Staging Area</b>	Depending on Emergency Location

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

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### 2.1.5 EMERGENCY EQUIPMENT

TYPE	#	LOCATION / NOTES
Personal Gas Monitor	12	
Burn Kit	2	
Eye Wash Station (15 min flow)	4	
Eye Wash Station (1 litre bottle)	20	
First Aid Kit	10	
First Aid Room	1	
Fire Extinguisher	20	
Ignition Equipment	2	
Portable Gas Detector	6	
SABA	0	
SCBA	10	
Wheeled Fire Extinguisher	0	

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## 2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS/ MUTUAL AID

### EXTERNAL EMERGENCY RESPONSE PLANS – LOCAL MUNICIPALITIES

#### PEACE RIVER REGIONAL DISTRICT (BC)

*Consulted November 20, 2017 via email with [REDACTED], Protective Services Manager.*

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

It is essential that Canadian Natural's Incident Commander or designate maintain communication with PRRD's Protective Services Manager to ensure that responses are coordinated.

The PRRD has a formal Emergency Management Plan that outlines the measures and sources of assistance that can be obtained to support emergency response efforts within their jurisdiction. Upon request from the Oil and Gas Commission (OGC), the Regional District may address emergency response capabilities, expectations and preparedness. If required, the Regional District may activate their emergency plan in order to:

- Dispatch representative(s) to the OGC Emergency Operations Centre (EOC), if established
- Provide support to ensure notification of endangered area residents
- Provide support to coordinate and deliver emergency social services to evacuated residents
- If necessary, declare a state of local emergency and issue an Alert, Order and Rescind
- Assist in public information service; joint OGC, industry, local government
- Provide building reentry procedures

The Peace River Regional District provides enhanced 9-1-1 services to all municipalities and electoral areas of the Regional District. Personnel at the 9-1-1 Public Safety Answering Point (PSAP), located within the RCMP North District Operations Communications Centre (OCC) in Prince George, determine the nature of the emergency and transfer the caller to the appropriate response agency; police, fire or ambulance.

The 9-1-1 Emergency Service also includes fire / rescue radio dispatch for 11 Fire Departments throughout the region. The fire dispatch centres are located in Dawson Creek and Fort St. John Fire Departments. The Charlie Lake Fire Department, operated by the Peace River Regional District, is staffed by a full time Fire Chief, a full time Deputy Fire Chief and 30+ enthusiastic volunteer fire fighters out of one hall. The department currently responds to between 80 and 100 calls for service each year and protects 125 square kilometers with a population of 3700. Full time staff are at the fire hall from 8:30 am to 4:30 pm Monday through Friday.


When requested, volunteer Search and Rescue teams are available to support Ground Search and Rescue activities throughout the Peace Region. All members receive search training with some trained in specialized disciplines including Rope Rescue, Tracking and Swift Water and Ice Rescue and HETS.

#### CLEAR HILLS COUNTY (AB)

*Consulted November 20, 2017 via email with [REDACTED], Deputy Director of Emergency Management.*

#### **CLEAR HILLS COUNTY**

- Initiates and manages the local disaster services response in accordance with County Policy
- May dispatch representative(s) to the Government's Off-Site Emergency Operations Centre
- Ensures all local emergency and public information services are available in accordance with County Polity (Public Information Releases will be coordinated with the Company's Incident Commander or designate)
- 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 Clear Hills County due to current operations requirements at the time.

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- 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 set up and maintenance of roadblocks 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

There is one County Fire Department located at Worsley and three Fire Departments on contract from Hines Creek, Fairview and Berwyn for the Hines Creek and east areas, each with approximately 20 volunteer fire fighters.

**NOTE:** The Fire Departments are not equipped for industrial fire protection and would only be responsible for anything off-site or outside of the Emergency Planning Zone (EPZ). Some Fire Department resources may be useful for on-site actions such as water tank trucks, potable water tanks, etc. and may be made available if requested. Certain areas of Clear Hills County have limited access or are extremely remote from any Fire Department.

The Alberta Energy Regulator Wildfire Management Area is responsible for wildland fire protection in these areas. The County has no Special Constables. All policing duties are covered by the RCMP. The Public Works Department employs about six personnel, which expands to 20 employees during the summer.

Emergency Medical Services are under Alberta Health Services; dial 9-1-1.

#### **EXTERNAL EMERGENCY RESPONSE PLANS: LOCAL HEALTH SERVICES**

##### **NORTHERN HEALTH / HEALTH EMERGENCY MANAGEMENT BC (NORTH)**

*Consulted December January 26, 2017 via email with [REDACTED], on behalf of [REDACTED], HEMBC Director.*

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


##### **NH Roles & Responsibilities – PREPAREDNESS (PRE-EVENT):**

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

##### **NH Roles & Responsibilities – RESPONSE:**

- Activate internal health emergency management plans related to ongoing provision of services (listed above);
- Provide acute care and emergency services at existing Northern Health hospitals/health Centre's;
- Work with BC Emergency Health Services (Ambulance) and the BC Patient Transfer Network to transport patients to the appropriate levels of care;
- Apply and enforce the Public Health Act, and associated regulations;
- Provide advice/information to the stakeholders on the existing or potential public health effects of an incident (including drinking water safety, air quality, environmental contaminants, communicable disease prevention, re-occupancy of evacuated areas, etc.);
- Provide advice/information on the best methods for monitoring health effects from an incident.
- Assist in development of (joint) messaging for public information on emergency incidents;
- Provide guidance to stakeholders and local authorities on public health considerations in operating reception and evacuation Centre's, and group lodging facilities

**NOTE:** British Columbia Emergency Health Services (BCEHS – Ambulance) remains independent of Northern Health. If an ambulance is required please contact BCEHS via 911 (or the local contact number, if 911 is not available in your area).

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**ALBERTA HEALTH SERVICES – NORTH ZONE**

*Consulted November 20, 2017 via email with [REDACTED], Environmental Public Health Director*


The North Zone has developed an e-mail address [REDACTED] that will be used to receive all electronic information relating to oil and gas Emergency Response Planning for the North Zone. If it can be sent electronically please use the e-mail provided.

This e-mail will be checked by designated personnel and all information handled appropriately. There is no longer a need to send information to local offices in the North Zone as it will be distributed internally by our own staff.


**Alberta Health Services – North Zone 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 16sulphur dioxide.
- Conduct assessments, inspections and give regulatory direction, when appropriate, to ensure the requirements of provincial legislation and EPH program areas of responsibilities for public health protection and disease prevention are maintained.
- Notify the Zone Medical Officer of Health of any incident affecting or potentially affecting other AHS programs or facilities. The Zone MOH will notify and coordinate emergency response in other program areas and facilities as necessary.
- Establish EPH emergency management operations, when appropriate, to support regional response efforts and liaise with the Government Emergency Operations Centre, Municipal Emergency Operations Centre and / or industry Emergency Operations Centre, if needed.
- Assist the Zone Medical Officer of Health, local municipal authority and Public Information / Communication Officers in the development, issuance and rescinding of public health, public evacuation and shelter-in-place advisories.
- Provide guidance to stakeholders on matters relating to evacuation of the public and / or public facilities and the re-occupancy of those evacuated areas or facilities.
- Record and respond to health complaints or concerns from the public during and following an incident.
- Participate in stakeholder debriefings as necessary.



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<p><b>MUTUAL AID</b></p>
<p><b>LOCAL RCMP DETACHMENTS</b></p> <p><i>No consultation with local detachments required as per RCMP K Division (Alberta) March 30, 2017 and as per British Columbia oil &amp; gas regulations.</i></p> <p><b>The local RCMP detachments of Fort St. John (BC) and Manning (AB):</b></p> <ul style="list-style-type: none"> <li>• May assist with initial area isolation, evacuation and / or assistance with closure of roads</li> <li>• Provides security, traffic and crowd control</li> <li>• May assist in search and rescue activities</li> <li>• Maintains law and order</li> </ul>
<p><b>OTHER INDUSTRIAL OPERATORS</b></p> <p>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.</p> <p>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.</p> <p>Canadian Natural would provide First Responder actions for an emergency involving other operated assets, with immediate notification to the well or the pipeline licensee.</p> <p>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.</p>

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**2.1.7 DRIVING DIRECTIONS AND MAP**

<b>DRIVING ROUTE</b>				
[REDACTED]				
<b>PROXIMITY TO NEAREST URBAN CENTRE</b>				
[REDACTED]				
<b>LATITUDE AND LONGITUDE COORDINATES</b>				
[REDACTED]	<b>LATITUDE:</b>	[REDACTED]	<b>LONGITUDE:</b>	[REDACTED]
[REDACTED]	<b>LATITUDE:</b>	[REDACTED]	<b>LONGITUDE:</b>	[REDACTED]
[REDACTED]	<b>LATITUDE:</b>	[REDACTED]	<b>LONGITUDE:</b>	[REDACTED]

**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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## 2.1.8 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 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.

## 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.
Y	SCADA System (on sales line)	<b>Supervisory Control and Data Acquisition</b> – 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.
Y	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.
N	Aerial Surveillance	Pipelines may be surveyed on a regular basis to detect leaks.
Y	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
Y	Operator Inspections	Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect.
N	24-Hour Manned Stations	Some Canadian Natural facilities are monitored 24 hours a day.
Y	H <sub>2</sub> S Monitors – Continuous	Continuous H <sub>2</sub> 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 <sub>2</sub> S levels are detected at the facility. If H <sub>2</sub> S levels reach a predetermined level, the system is designed to activate the Emergency Shutdown (ESD) and shut down the facility.
Y	H <sub>2</sub> S Monitors – Handheld	Canadian Natural personnel are equipped with personal H <sub>2</sub> S / LEL monitors for early detection.
Y	Gas Detection Equipment	Continuous <b>Combustible Gas Detectors</b> 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 communication between the Emergency Response Team personnel and the various Operations Centres / 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

<b>EQUIPMENT</b>	<b>COMMENT</b>
<b>Mobile Radios</b>	See below frequencies.
<b>Cell Phone</b>	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.

### 2.3.2 RADIO FREQUENCIES

<b>NAME</b>	<b>RECEIVE NUMBER</b>	<b>TRANSMIT NUMBER</b>
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

**Redacted –NEB Order AO-001-MO-006-2016,  
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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]
Safety & Compliance Coordinator	[REDACTED]	[REDACTED]	[REDACTED]
Surface Landman	[REDACTED]	[REDACTED]	[REDACTED]
Health & Safety Manager	[REDACTED]	[REDACTED]	[REDACTED]
Emergency Management Lead	[REDACTED]	[REDACTED]	[REDACTED]
Manager, Northern Field Operations	[REDACTED]	[REDACTED]	[REDACTED]
VP, West Field Operations	[REDACTED]	[REDACTED]	[REDACTED]
Calgary Command Centre	Room 26002	N/A	[REDACTED]

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

##### BRITISH COLUMBIA

NAME	LOCATION	TELEPHONE	
Emergency Management BC	Prince George BC	24-Hour Incident Reporting	1-800-663-3456
		Office	250-612-4172
BC Oil and Gas Commission	Province-Wide	24-Hour Incident Reporting	1-800-663-3456
	Fort St. John BC	Office	250-794-5200
National Energy Board (NEB) <i>See Forms &amp; Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	<b>Online Event Reporting System (OERS)</b>		<a href="https://apps.neb-one.gc.ca/ers">https://apps.neb-one.gc.ca/ers</a>
	Incident Line (all other incidents)	24-Hour	403-807-9473
	Calgary Office	Main	403-292-4800
Transportation Safety Board (TSB) <i>See Forms &amp; 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
	<b>Email Address</b>	<b>PipelineNotifications@tsb.gc.ca</b>	
Peace River Regional District	Dawson Creek BC	Toll-free	1-800-670-7773
		Office	250-784-3200
Health Emergency Management BC (HEMBC)	Northern BC	<b>24-Hour Emergency On Call</b>	[REDACTED]
		Non-emergency inquiries only (HEMBC Director)	[REDACTED]
RCMP Fort St. John Detachment	Fort St. John BC	24-Hour	9-1-1
		Office	250-787-8140

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**ALBERTA**


NAME	LOCATION	TELEPHONE	
Alberta Energy Regulator (Energy & Environmental Response Line)	Province-Wide	24- Hour	1-800-222-6514
	Grande Prairie Field Centre	24-Hour	1-780-538-5138
National Energy Board (NEB) <i>See Forms &amp; Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	<b>Online Event Reporting System (OERS)</b>	<a href="https://apps.neb-one.gc.ca/ers">https://apps.neb-one.gc.ca/ers</a>	
	Incident Line (all other incidents)	24-Hour	403-807-9473
	Calgary Office	Main	403-292-4800
Transportation Safety Board (TSB) <i>See Forms &amp; 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
	<b>Email Address</b>	<b>PipelineNotifications@tsb.gc.ca</b>	
Clear Hills County	Worsley, AB	Office	780-685-3925
		24-Hour Emergency/ Cell	780-835-0156
Alberta Health Services	Province-Wide	24-Hour	1-844-755-1788
		Email	[REDACTED]
RCMP	Manning, AB	24-Hour	9-1-1
		Office	780-836-3769

**3.3 PROVINCIAL GOVERNMENT CONTACTS**

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

**BRITISH COLUMBIA**

NAME	LOCATION	TELEPHONE NUMBER	
Emergency Management BC	Prince George BC	24-Hour Incident Reporting	1-800-663-3456
		Office	250-612-4172
BC Oil and Gas Commission	Province-Wide	24-Hour Incident Reporting	1-800-663-3456
	Fort St. John BC	Office	250-794-5200
Health Emergency Management BC (HEMBC)	Northern BC	<b>24-Hour Emergency On-Call</b>	[REDACTED]
		Non-emergency inquiries only (HEMBC Director)	[REDACTED]
Ministry of Environment: Fish and Wildlife	Fort St. John BC	Office	250-787-3411
Ministry of Forests and Range: Forests and Range	Dawson Creek BC	Office	250-784-1200
Forest Fire Reporting	Province-Wide	24-Hour	1-800-663-5555
Ministry of Transportation: Provincial Roads, Highways and Bridges	Fort St. John BC	Office	250-787-3237
Yellowhead Road & Bridge (North Peace) Ltd.	Fort St. John BC	Emergency	1-888-883-6688


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NAME	LOCATION	TELEPHONE NUMBER	
Caribou Road Services (South) Ltd.	Dawson Creek / Pouce Coupe BC	Emergency	1-800-667-2322
WorkSafeBC	Province-Wide	Emergency – Office hours Emergency – After hours	1-888-621-7233 1-866-922-4357

### ALBERTA

NAME	LOCATION	TELEPHONE	
Alberta Energy Regulator (Energy & Environmental Response Line)	Province-Wide	24- Hour	1-800-222-6514
	Grande Prairie Field Centre	24-Hour	1-780-538-5138
Alberta Emergency Management Agency	Province-Wide	24-Hour	1-866-618-2362
Alberta Environment and Parks (AEP) – Fish & Wildlife	Province-Wide	24-Hour	1-877-944-0313
	Whitecourt Office	Main Office	780-778-7112
	Report a Poacher	24-Hour	1-800-642-3800
Alberta Environment and Parks (AEP) – Wildfire Reporting	Province-Wide	24-Hour	310-FIRE (3473) 1-866-394-3473
Alberta Agriculture and Forestry (AAF) – Forest Protection	Province-Wide Peace Region, AB	24-Hour	310-FIRE (3473)
		Office	780-538-5560
Alberta Environment and Parks (AEP) - Lands & Forests	Fox Creek, AB	Office	780-622-3921
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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### 3.4 EMERGENCY SERVICE NUMBERS


#### BRITISH COLUMBIA

SERVICE	LOCATION	TELEPHONE NUMBER	
RCMP	Fort St. John BC	Emergency Office	9-1-1 250-787-8140
Hospital	Fort St. John BC	24-Hour	250-262-5200
British Columbia Ambulance Service	Province-Wide	Emergency Toll Free Cell/ SAT Phone/ Outside BC	9-1-1 1-800-461-9911 250-374-5937
Fire Department	Fort St. John BC	Emergency Office	9-1-1 250-785-4333

#### ALBERTA

SERVICE	LOCATION	TELEPHONE NUMBER	
RCMP	Manning AB	Emergency Office	9-1-1 780-836-3769
Hospital	Manning AB	Emergency Office	9-1-1 780-836-3391
	Grande Prairie AB	Emergency Office	9-1-1 780-538-7100
Ambulance	Grande Prairie AB	Emergency Office	9-1-1 780-538-1253
STARS Air Ambulance	Province-Wide	24-Hour From cell	1-888-888-4567 *4567
Fire Department	Grande Prairie AB	Emergency Office	9-1-1 780-538-0393
	Manning AB	Emergency Office	9-1-1 780-836-3513



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### 3.5 TDG / LPG 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


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### 3.6 MUNICIPAL GOVERNMENT CONTACTS (FOR NOTIFICATION PURPOSES ONLY)

NAME	LOCATION	TELEPHONE NUMBER	
Peace River Regional District	Dawson Creek, BC	Toll free/ After Hours	1-800-670-7773
		Office	250-784-3200
		Fax	250-784-3201
Clear Hills County	Worsley, AB	Office	780-685-3925
		After Hours	780-835-0156

### 3.7 FEDERAL GOVERNMENT CONTACTS

NAME	LOCATION	CONTACT INFORMATION	
National Energy Board (NEB) <i>See Forms &amp; Guidelines section in Corporate ERP: Guideline 8: NEB / TSB Incident Reporting Instructions</i>	<i>Online Event Reporting System (OERS)</i>	<a href="https://apps.neb-one.gc.ca/ers">https://apps.neb-one.gc.ca/ers</a>	
	Incident Line (all other incidents)	24-Hour	403-807-9473
	Calgary Office	Main	403-292-4800
Transportation Safety Board (TSB) <i>See Forms &amp; 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	Calgary AB	Office	403-292-5625
		Fax	403-292-5618
First Nations, Health Authority	Prince George BC	Office	250-561-5370
		Fax	250-561-5369
Environment Canada <i>(will be notified through the respective provincial or territorial government)</i>	Emergency Management BC	24-Hour	1-800-663-3456
	Alberta Environment and Parks	24-Hour	1-800-222-6514


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### 3.8 CONTRACT SERVICES

#### BRITISH COLUMBIA

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>AIR QUALITY MONITORING</b>			
Firemaster Oilfield Services	Fort St John, BC	24-Hour	403-342-7500
HSE Integrated Ltd.	Fort St John, BC	24-Hour	1-888-346-8260
Promet Environmental Group Ltd.	Calgary, AB	24-Hour	1-877-577-6638
Trojan Safety Services	Province-Wide	24-Hour	250-785-9557 1-877-785-9558
<b>AIRCRAFT / HELICOPTERS</b>			
Canadian Helicopters Ltd.	Fort St John, BC	24-Hour	250-787-0431
North Cariboo Air	Fort St John, BC	24-Hour	1-888-735-9464 250-787-0311
Yellowhead Helicopters Ltd.	Fort St John, BC	24-Hour	250-785-2331
<b>SAFETY SERVICES / COMMUNICATION EQUIPMENT</b>			
HSE Integrated Ltd.	Fort St John, BC	24-Hour	1-888-346-8260
Trojan Safety Services	Province-Wide	24-Hour	250-785-9557 1-877-785-9558
United Safety Ltd.	Fort St. John / Fort Nelson, BC	24-Hour	1-800-432-1809
<b>WELL BLOWOUT CONTROL</b>			
Firemaster Oilfield Services	Fort St John, BC	24-Hour	403-342-7500
HSE Integrated Ltd.	Fort St John, BC	24-Hour	1-888-346-8260
Safety BOSS	Fort St John, BC	24-Hour	1-800-882-4967


<b>WESTERN CANADIAN SPILL SERVICES (WCSS) AREA "C"</b>		<b>24 HOUR EMERGENCY 1-866-541-8888</b>	
Shawn Dorie, Clean Harbors Regional Custodian	Fort St. John, BC	24-Hour Cell	250-785-4577 250-261-9404
Eric Pike, Clean Harbors Co-op Custodian	Fort Nelson, BC	24-Hour	250-233-8811

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**ALBERTA**

COMPANY	LOCATION	TELEPHONE NUMBER	
<b>AIR QUALITY MONITORING</b>			
Alberta Energy Regulator <i>(not 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	1-877-785-9558
<b>AIRCRAFT / HELICOPTERS</b>			
Airco Aircraft Charters	Edmonton AB	24-Hour	780-890-7780
Canadian Helicopters Ltd.	Western Canada	24-Hour	780-429-6900
Central Mountain Air	Western Canada	24-Hour	1-866-731-7992 1-888-835-9262
North Cariboo Air	Edmonton AB	24-Hour	1-866-359-6222
<b>SAFETY SERVICES / COMMUNICATION EQUIPMENT</b>			
HSE Integrated Ltd.	Province-Wide	24-Hour	1-888-346-8260
United Safety Ltd.	Province-Wide	24 Hour	1-800-432-1809
Trojan Safety Services	Province-Wide	24-Hour	1-877-785-9558
<b>WELL BLOWOUT CONTROL</b>			
Firemaster Oilfield Services Inc.	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

<b>WESTERN CANADIAN SPILL SERVICES (WCSS) AREA "T"</b>		<b>24 HOUR EMERGENCY 1-866-541-8888</b>	
Regional Custodian, Clean Harbors	Grande Prairie AB	24-Hour Cell	780-532-4331 780-897-0065
Co-op Custodian CNRL Chinchaga Gas Plant	01-24-096-05W6 Grande Prairie AB	24-Hour	780-836-3364 ext. 25

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## 4 PUBLIC NOTIFICATIONS

### 4.1 AUTOMATED PUBLIC NOTIFICATION SYSTEM

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

<b>CommAlert</b>	
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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 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.

If an emergency occurs that involves too many residences for Canadian Natural personnel to notify in a timely manner, an automated public notification system as noted above will be activated, if applicable to this plan. The following procedures will be used:


1. Prior to activating CommAlert, obtain and complete *Guideline 10: CommAlert Standard Operating Procedures (SOP)* from the Guidelines section (orange tab) of the Corporate ERP. If this form is unavailable, prepare the following information:
  - 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. Contact CommAlert and inform them that a call-out is required. CommAlert will follow their SOP and ask for the information required.
3. After the call-out, CommAlert will send a report of the results within the timeframe specified, by either e-mail (default) or fax. The report will include the residents who responded they would evacuate immediately or stay in their homes (shelter), which residences require assistance and which residents did not respond to the message.
4. Dispatch Rovers to those residences requiring assistance. Residents who did not respond to CommAlert's notification will need to be contacted by a Telephone Caller or a Rover.
5. Once the emergency has been resolved, instruct CommAlert and / or Telephone Callers to relay the All Clear message.

The three (3) message choices that can be sent automatically by the automated public notification system are:

#### 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.

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*\*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.

### 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.

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#### 4.3 RECEPTION CENTRE(S)

Reception Centre(s) has / 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	
Northern Grand Hotel	9830 – 100 Avenue Fort St. John BC V1J 1Y5	24-Hour	250-787-0521
Lakeview Inn & Suites	10103 – 98 Avenue Fort St. John BC V1J 1P8	24-Hour	250-787-0779

#### 4.4 RESIDENT INFORMATION

*There are no residents impacted by this Emergency Response Plan.*


#### 4.5 BUSINESS/ PUBLIC FACILITY INFORMATION

*There are no businesses or public facilities impacted by this Emergency Response Plan.*

#### 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 children living within the EPZ attend the following schools:

SCHOOL DIVISION	SCHOOL NAME	TELEPHONE NUMBER
<i>There are no school divisions impacted by this Emergency Response Plan</i>		

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#### 4.7 INDUSTRIAL OPERATORS

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):

<b>INDUSTRIAL OPERATOR NAME</b>	<b>OPERATIONS DESCRIPTION</b>	<b>TELEPHONE NUMBER</b>	
Cenovus	Wells & pipelines in area	1-877-458-8080	24 Hour Emergency
Dejour Energy Ltd.	Wells/ Pipelines/ Facilities in area	1-800-594-7585 403-266-3825	24 Hour Emergency Office
Nova Gas Transmission / TransCanada Energy Ltd.	Pipelines in area	1-888-982-7222 403-920-2000	24 Hour Emergency Office
Novus Energy	Wells & pipelines in area	403-265-0775 403-263-4310	24 Hour Emergency Office
Orphan Well Association	Formerly Terra Energy wells	1-844-440-0144	24 Hour Emergency
Pembina Pipeline Corporation	Pipelines in area	1-800-360-4706 403-231-7500	24 Hour Emergency Office
Predator Oil Ltd.	Suspended/ shut-in wells & pipelines in area	1-866-363-6100	24 Hour Emergency
TAQA North Ltd.	Wells & pipelines in area	403-724-5000	Office/ 24 Hour

#### 4.8 TRAPPER/ GUIDE OUTFITTER INFORMATION

<b>REGISTERED AREA</b>	<b>NAME</b>	<b>ADDRESS</b>	<b>TELEPHONE NUMBER</b>	<b>DESCRIPTION</b>
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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

**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	DESCRIPTION
N/A				

**4.10 FOREST MANAGEMENT AREA(S)**

REGISTERED NUMBER	NAME	ADDRESS	TELEPHONE NUMBER	DESCRIPTION
N/A				

**4.11 FIRST NATIONS**

NAME	CONTACT	TELEPHONE NUMBER	COMMENTS
N/A			



## 5 GATHERING SYSTEMS INFORMATION

### 5.1 FACILITY INFORMATION

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

#### 5.1.1 FACILITY SUMMARY

Facility Name	Drake [REDACTED]
Facility Type	Compressor Station
Facility Code	[REDACTED]
Legal Description	[REDACTED]
Facility Description	

Facility Name	Ladyfern [REDACTED]
Facility Type	Gas Plant
Facility Code	[REDACTED]
Legal Description	[REDACTED]
Facility Description	

Facility Name	Ladyfern [REDACTED]
Facility Type	Gas Plant
Facility Code	[REDACTED]
Legal Description	[REDACTED]
Facility Description	

Facility Name	Mearon [REDACTED]
Facility Type	Battery
Facility Code	[REDACTED]
Legal Description	[REDACTED]
Facility Description	Compressor sales line takes production to the main sales line (NEB)

#### 5.1.2 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	NUMBER	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) - Roadblock Role Checklist & information - Roadblock Control Log form	5	Drake [REDACTED] Ladyfern [REDACTED] Ladyfern [REDACTED] Mearon [REDACTED] Velma [REDACTED]

**5.1.3 EMERGENCY CONTROL SYSTEMS**


TYPE	LOCATION	NOTES
HPSD	[REDACTED]	[REDACTED]
ESD	[REDACTED]	[REDACTED]
HPSD	[REDACTED]	[REDACTED]

**5.2 FACILITY, PIPELINE AND WELL INFORMATION**

**5.2.1 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES**

LOCATION	FACILITY TYPE	FACILITY CODE	SUB	STATUS	H2S RELEASE VOLUME (m <sup>3</sup> )	EPZ (m)
[REDACTED]	Battery	[REDACTED]	NG	O	[REDACTED]	980 m
[REDACTED]	Compressor Station	[REDACTED]	NG	O	[REDACTED]	100 m
[REDACTED]	Compressor Station	[REDACTED]	NG	O	[REDACTED]	100 m
[REDACTED]	Compressor Station	[REDACTED]	SG	O	[REDACTED]	1774 m


**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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### 5.2.2 LEGEND

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

**NOTE:** Abandoned pipelines have not been included.

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### 5.2.3 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES- SORTED BY FROM LOCATION


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.”

NEB Order Number	Line	Licensee Name	Sub	Stat	From Location	From (Fac.)	To Location	To (Fac.)	OD (mm)	WT (mm)	MOP (kPa)	H2S (mol/kmol)	Length (km)	H2S Rel. Vol. (m3)	Set EPZ (m)
AO-02-XG-M023-3-2002 BC:280141 AB:280052	NA	CNRL	NG	O	[REDACTED]	CS	[REDACTED]	PL	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	980
XG-C298-022-2013 BC:280309 AB:280141	NA	CNRL	NG	O	[REDACTED]	PL	[REDACTED]	WE	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	980
A0-1-XG-C298-38-2001 BC:280309 AB:280141	NA	CNRL	NG	O	[REDACTED]	PL	[REDACTED]	PL	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	980

**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- SORTED BY SURFACE LOCATION

**NOTE: No well information required**

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**6 MAP AND PUBLIC INFORMATION PACKAGE**

**Redacted –NEB Order AO-001-MO-006-2016,**  
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