Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

CLEARHILLS

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

DISCLAIMER:

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

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

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March 31, 2024

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

AMENDMENT RECORD

Date (YYYY/MM/DD) **ERP Planner**	**Rev**	**Revision Details**	**Annual Update** (Y / N)	**Date inserted in ERP** (YYYY/MM/DD)	**Inserted / Replaced by** (Name & Signature)
2024/03/31	17-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2023/03/31	16-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2022/03/31	15-0	• Reviewed and updated gathering system, public and contact information where applicable • Assets in Floral were excluded in the ERP due to area operation reorganization. • ERP Name changed to “Clearhills”.	Y		
2021/03/31	14-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2020/03/31	13-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2019/03/29	12-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2018/03/29	11-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		
2017/03/30	10-0	• Reviewed and updated gathering system, public and contact information where applicable	Y		

MANAGEMENT OF CHANGE PROTOCOL

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

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

CANADIAN NATURAL RESOURCES LIMITED
Email:

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

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

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ERP ID
Clearhills		Sour Production	
Clearhills		Propane (E2)	
Clearhills		Natural Gas Condensates (E2)	
Clearhills	to	CER Regulated Pipeline	
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ALL HAZARDS IDENTIFICATION TABLE

Completed By: *Area Field Operations & Emergency Management Tech*

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☒ Hydrogen Sulphide (H_2S) Release	Yes	Yes	Yes	Yes	Low	☒ Personal Gas Monitor ☐ Portable Gas Detector ☒ SCBA ☐ SABA ☒ ESD Procedures ☒ Emergency Planning Zone(s) ☐ Ignition Resources – Equipment ☒ Ignition Resources – Service Provider ☒ Roadblock Kit(s) ☒ Communication Plans – Public / Media ☐ SCADA ESD ☐ Other:
☐ High Vapour Pressure (HVP) Pipeline Release *(pipelines that convey hydrocarbon mixtures in the liquid or quasi-liquid state with a vapour pressure of greater than 110 kPa absolute at 38°C)*						☐ SCADA ESD ☐ Evacuation Procedures ☐ Roadblock Kit(s) ☐ Communication Plans – Public / Media ☐ Emergency Response Plan ☐ ESD Procedures ☐ Emergency Planning Zone(s) ☐ Ignition Resources – Equipment ☐ Ignition Resources – Service Provider ☐ Fire Extinguishers ☐ Firefighting Equipment – *e.g. shovels, axes, picks, water packs, wheeled extinguishers* ☐ Other:

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

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

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

1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY	RECIPIENT	POSITION	LOCATION	CONFIDENTIAL INFORMATION INCLUDED (✓)
1		Foreman	Fort St. John Office	✓
2		Assistant Foreman	Fort St. John Office	✓
3		Area Superintendent	FSJ Office - Designated ICP	✓
4		Manager, Fort St. John Field Operations	Calgary Office	
Electronic (CiNQ)		Safety & Compliance Coordinator	Fort St. John Office	
5		Area Landman - BC	Fort St. John Office	✓
6		Area Landman - AB	Grande Prairie Office	✓
7	Clearhills Compressor Station	Compressor Station		
8	Clearhills Gas Plant	Office		
9	Clearhills Gas Plant	Camp		
10	Emergency Response Mobile Cart		Calgary Office	✓
11	Calgary Emergency Operations Centre (EOC)		Calgary Office BHE 26002	✓
*	ERP Map(s) for Roadblock Kits	Floral Gas Plant		
*	ERP Map(s) for Roadblock Kits	Clearhills Gas Plant		
*	ERP Map(s) for Roadblock Kits	Sweeney Oil Battery		

1.2 EXTERNAL COPIES

COPY	RECIPIENT	ORGANIZATION	LOCATION
12	CER – Hard Copy	Canada Energy Regulator	517 – 10th Avenue SW Calgary, AB T2R 0A8
Flashdrive	CER – Electronic Copy		
13	Emergency Response and Safety Inspector	British Columbia Energy Regulator	**COURIER:** 6534-100th Avenue Fort St. John BC V1J 8C5
eSubmission	British Columbia Energy Regulator	British Columbia Energy Regulator	
DDS	Alberta Energy Regulator	Alberta Energy Regulator	
SWIM	E2 Plan **registration only** *(full copy not required)*	Environment and Climate Change Canada	Public Inquiries Centre 12th Floor, Fontaine Building 200 Sacré-Coeur Boulevard Gatineau QC, K1A 0H3
Email	Director of Emergency Management	Clear Hills County	
Email	Director, Environmental Public Health	Alberta Health Services - North Zone	
Email	Manager of Community Services	Peace River Regional District	

Flashdrive	*Electronic copy on flashdrive*
eSubmission	*Electronic copy submitted via British Columbia Energy Regulator's online submission portal*
DDS	*Electronic copy uploaded via Alberta Energy Regulator online submission system*
Email	*Electronic copy provided by email*
SWIM	*Single Window Information Management system under Environment and Climate Change Canada (ECCC)*

EXTERNAL ERP DISTRIBUTION DISCLAIMER:

Site-Specific ERPs are forwarded electronically while the Corporate ERP can be found on our website here: https://www.cnrl.com/sustainability/workplace-process-safety/emergency-management

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

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

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2 GENERAL INFORMATION

2.1 INTRODUCTION AND SUMMARY

2.1.1 FACILITY - GENERAL INFORMATION

FACILITY LOCATION	Clearhills Gas Plant	
PHONE NUMBERS		Office
		24-Hour On-Call Phone

DISTRICT OFFICE LOCATION	Fort St. John Office	
PHONE NUMBERS		Office
		Fax
		On-Call Phone

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

OFFICE LOCATION	Fort St. John District Office	
STREET & MAILING ADDRESS	6744 - 100th Avenue Fort St. John BC V1J 8C5	
PHONE NUMBERS		Business
		Fax
		On-Call Phone

2.1.3 SAFE LOCATIONS

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

2.1.4 GENERAL LAND USE AND POPULATION DENSITY

Local Municipality	Municipal District of Clear Hills Peace River Regional District
Area Land Use	Hunting, trapping, ranching and oil and gas operations

POPULATION DENSITY (WITHIN EPZ)		
NUMBER	**TYPE**	**DESCRIPTION**
3	Residences	See Section 4
1	Businesses / Organizations	See Section 4
0	Public Facilities / Recreational Areas	
4	Trappers / Guide Outfitters	See Section 4
0	Grazing Leases / Reserves	See Section 4
0	Forest Management Areas	See Section 4
0	First Nations	
Various	Lakes / Rivers	Little Clear River and several unnamed tributaries
0	Public Highways	
0	Other (Railway, logging, etc.)	

2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit	2	Clearhills plant
Eye Wash Station – 1 litre bottle	Variable	Clearhills plant
Eye Wash Station – 15 min flow	Variable	19 - Clearhills plant 2 - Clearhills compressor station
First Aid Kit	Variable	Operators' Trucks Clearhills plant Clearhills office
First Aid Room	-	
First Aid Station	1	Clearhills plant
Fire Blanket	-	
Firefighting Hand Tools *(e.g. shovels, axes, picks, hand pump water packs, etc)* - **if gathering system located near / in Forest Protection Area(s), minimum requirements in place** (see Corp ERP, Section 2.2.4)	-	
Handheld Fire Extinguisher	Variable	Throughout Clearhills plant Clearhills compressor station Operators' trucks
Ignition Equipment	-	
Personal Gas Monitor	5	Operators' trucks plus 2 spares
Portable Gas Detector	-	
Portable Spill Response Kit	2	Clearhills gas plant shop
Self-Contained Breathing Apparatus (SCBA)	17	Clearhills plant Clearhills compressor Operators' trucks
Spill Response Trailer	-	None located on site ***Nearest CNRL Trailer(s):*** - Progress
Supplied Air Breathing Apparatus (SABA)	-	
Wheeled Fire Extinguisher (150 - 300 lb)	-	

2.1.5.2 Roadblock (EPZ Isolation) Equipment

Roadblock locations will be determined at the time of an incident. Contents may be replaced with similar devices / equipment or may have additional items.

Refer to Corporate (Core) Emergency Response Plan – Public Protection Measures for isolation procedures.

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

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID

2.1.6.1 External Emergency Response Plans - Local Municipalities

Clear Hills County - AB

Roles and Responsibilities

- 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 Policy (Public Information Releases will be coordinated with the company's Public Information Officer).
- If required, activates 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.
- 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.

Resources

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 firefighters.

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 tanks potable water tanks, etc. and may be made available if requested. Certain area of Clear Hills County have limited access or are extremely remote from any Fire Department.

The Alberta Agriculture and Forestly Wildfire Management Area is responsilbe for wildland fire protection in these area. 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 summer.

Emergency Medical Serives are under Alberta Health Services: dail 9-1-1.

Emergency Services / Equipment:

Fire Services – Worsley & Hines Creek Volunteer Fire departments – both have on call firefighters that service Clear Hills County area.

Road Maintenance – The County repairs and maintains its own system of rural roads, bridges and urban streets.

Personnel – NA

Equipment – NA

Equipment: Local Law Enforcement

County Enforcement Service – 9-1-1

Peace River District (PRRD) - BC

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 PPRD 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 provincial regulator, 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 provincial Emergency Operation Centre (EOC), if established
- Provide support to ensure notifications 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 evacuation Alert, Order and Rescind
- Assist in a public information service; joint regulator, Industry, local government
- Provide building re-entry procedures

Emergency Services / Equipment:

The PRRD provides enhanced 9-1-1 Emergency Services to all municipalities and electoral areas of the Regional District. The 9-1-1 Emergency Services also includes fire / rescue radio dispatch for eleven fire departments throughout the region; fire dispatch centers are located at the Dawson Creek and Fort St John Fire Departments.

Local RCMP Detachments - the local RCMP detachment of Fort St. John:

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

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.2 External Emergency Response Plans: Local Health Services

Alberta Health Services – North Zone

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

EPH will endeavor to:

- Participate with the Licensee in the development of their Emergency Response Plans as it relates to the Environmental Public Health Program's role and responsibility.
- Provide the AHS Zone Single-Point-of-Contact (SPOC) emergency phone number to enable the Licensee to notify and alert the Zone of an emergency. From the initial notification or alert, AHS emergency response will fan out to and coordinate with other AHS programs and facilities as necessary. 9-1-1 EMS services remain independent of the Zone SPOC notification / alert process.
- Participate with stakeholders in preparedness training and exercises associated with a Licensee's simulated activation of an Emergency Response Plan in which EPH has a role and responsibility.
- Participate in public information sessions during the Licensee's Emergency Response Plan development process when appropriate and as resources allow.
- Provide guidance to stakeholders and local municipal authorities in identifying sites suitable for establishing and operating an evacuation Centre and / or Reception Centre, including operational requirements.
- Provide guidance to stakeholders on substances that may affect public health in consultation with the Zone Medical Officer of Health (MOH), including Alberta Health Acute Exposure Health Effects for Hydrogen Sulphide and Sulphur Dioxide.
- Conduct assessments, inspections and give regulatory direction, when appropriate, to ensure the requirements of provincial legislation and EPH program areas of responsibilities for public health protection and disease prevention are maintained.
- Notify the Zone Medical Officer of Health of any incident affecting or potentially affecting other AHS programs or facilities. The Zone MOH will notify and coordinate emergency response in other program areas and facilities as necessary.
- Establish EPH emergency management operations, when appropriate, to support regional response efforts and liaise with the Government Emergency Operations Centre, Municipal Emergency Operations Centre and / or Industry Emergency Operations Centre, if needed.
- Assist the Zone Medical Officer of Health, local municipal authority and Public Information / Communication Officers in the development, issuance and rescinding of public health, public evacuation and shelter-in-place advisories.
- Provide guidance to stakeholders on matters relating to evacuation of the public and / or public facilities and the re-occupancy of those evacuated areas or facilities.
- Record and respond to health complaints or concerns from the public during and following an incident.
- Participate in stakeholder debriefings as necessary.

Health Emergency Management British Columbia (HEMBC) / Northern Health (NH)

Health Emergency Management BC, North (HEMBC)

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

Roles and responsibilities:

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

Northern Health (NH)

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

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

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

Roles & Responsibilities - PREPAREDNESS (PRE-EVENT):

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

Roles & Responsibilities - RESPONSE:

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

2.1.6.3 Mutual Aid Agreements

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

2.1.6.4 Mutual Aid Understandings

2.1.6.4.1 Canadian Natural Operated Third Party Assets

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

THIRD PARTY LICENSEE	ERP NAME	24 HR EMERGENCY #
Enercapita Energy Ltd.		1-866-556-7838
Crescent Point Energy Corp.		1-888-799-0043

2.1.6.4.2 Third Party Operated Canadian Natural Assets

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

THIRD PARTY OPERATOR	ERP NAME	24 HR EMERGENCY #
NA		

2.1.6.4.3 Non-Operated Third Party Tie In Assets

Where third party assets are tied into this plan's facility(ies) but not operated by Canadian Natural as listed below, the licensee will have their own ERP and would be responsible for emergency response actions involving their assets. Canadian Natural may assist depending on resource availability at the time.

THIRD PARTY LICENSEE & OPERATOR	ERP NAME	24 HR EMERGENCY #
NA		

2.1.7 DRIVING DIRECTIONS AND MAP

2.1.7.1 Driving Route

CER PIPELINES: Driving directions to staging area location will be determined by field operations at time of incident.

From the to Clearhills plant

-
-
-
-
-
-
-
-

From to Osborn

-
-
-

2.1.7.2 Proximity To Nearest Urban Centre

2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LATITUDE (N)	LONGITUDE (W)

2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT CLEARHILLS	TYPE	DESCRIPTION
Y	24-Hour Emergency Telephone Number	A 24-hour emergency number is posted at all facilities and pipeline crossings. Any operator, landowner or citizen can call to notify Canadian Natural of an emergency situation. On-call Canadian Natural personnel will take appropriate actions to manage the emergency.
Y	SCADA System	**Supervisory Control and Data Acquisition (SCADA)** – Electronic monitoring equipment on wells throughout the gathering system will transmit signals to a central control panel. SCADA systems trigger alarm and call-out systems and may have ESD capabilities.
Y	Alarm and Call-out Process	System monitoring equipment throughout facilities will trigger an alarm to an answering service that will use a call-out system to notify applicable operators.
Y	Aerial Surveillance	Pipelines may be surveyed on a regular basis to detect leaks.
Y	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
Y	Operator Inspections	Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect.
Y	24-Hour Manned Stations	Some Canadian Natural facilities are monitored 24 hours a day.
Y	H_2S Monitors – Continuous	Continuous H_2S monitoring equipment is strategically located at all sour facilities. Monitors are calibrated at regular intervals and are designed to activate a call-out procedure to operational personnel if H_2S levels are detected at the facility. If H_2S levels reach a predetermined level, the system is designed to activate the Emergency Shutdown (ESD) and shut down the facility.
Y	**Gas Monitors –** Handheld	Canadian Natural personnel are equipped with personal H_2S / LEL monitors for early detection.
Y	Gas Detection Equipment	Continuous **Combustible Gas Detectors** are located throughout the facility. The detectors alarm at 20% lower explosion limit (LEL). At 40% LEL, the detectors engage a facility shut down.
Y	Fire Detection Equipment	An ultraviolet fire detection system, “Fire Eyes,” may be installed throughout facilities.
Y	Leak Detection System	Continuous monitoring systems are installed on several pipeline systems, including but not limited to water injection, oil emulsion and ESD risers. These systems can be based on different methodologies such as pipeline or differential pressure, pressure rate of change (ROC), flow rate imbalance, ROW monitoring, etc.

2.3 COMMUNICATIONS

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

2.3.1 COMMUNICATION EQUIPMENT

EQUIPMENT	COMMENT
Cell Phone	Each operator has a cellular phone. Cell coverage in the area is reliable; however some dead spots may occur in lower lying area. In these cases, signals can be re-established by moving to higher ground.
Two-Way Radios	Two-way radios are installed in all operator trucks with base radios on Clearhills channel as noted below
Land Line	There is a land line at the facility – see Section 2.1.1

2.3.2 RADIO FREQUENCIES

NAME	RECEIVE NUMBER	TRANSMIT NUMBER
Clearhills		

2.4 SPILL RESPONSE

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

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

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

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

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

SECTION 3: CONTACTS AND TELEPHONE LISTS

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3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART) . 1
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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

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

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

ALBERTA			
NAME	**LOCATION**	**TELEPHONE**	
Alberta Energy Regulator *(Energy & Environmental Response Line)* **Use this number to also verbally report an Environmental Emergency (E2)** --- - Written notice (Schedule 8) must be made via SWIM * as soon as possible (*Environment Coordinator)* - Environment Canada notified by Alberta Environment	Province-Wide	24- Hour	1-800-222-6514
		* Single Window Information Management (SWIM) system: **https://ec.ss.ec.gc.ca**	
Clear Hills County	Worsley AB	24-Hour	780-835-8097
Alberta Health Services	Province-Wide	24-Hour	
		Email	
RCMP - Fairview Detachment	Fairview AB		9-1-1

BRITISH COLUMBIA			
NAME	**LOCATION**	**TELEPHONE**	
Emergency Management BC (EMBC) *EMBC to contact BC Energy Regulator (BCER)* **Use this number to also verbally report an Environmental Emergency (E2)** --- - Written notice (Schedule 8) must be made via SWIM * as soon as possible (*Environment Coordinator)* - Environment Canada notified by EMBC	Province-Wide	**For all emergencies 24-Hour Incident Reporting**	**1-800-663-3456**
		* **For E2 Emergency Reporting only:** *Single Window Information Management (SWIM)* **https://ec.ss.ec.gc.ca**	
Peace River Regional District	Dawson Creek BC	Toll-free	1-800-670-7773
Health Emergency Management BC (HEMBC)	Northern BC	**24-Hour Emergency On-Call**	
	Northern BC	Non-emergency inquiries only (HEMBC Director)	
RCMP - Fort St. John Detachment	Fort St. John BC	24-Hour	9-1-1

3.3 ROAD CLOSURE CONTACTS

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

ALBERTA			
ROAD TYPE	**JURISDICTIONAL AGENCY**	**TELEPHONE**	
- for major highways (1, 2 or 3 digit highways)	**RCMP** – advise of situation / request presence	24-Hour Emergency	9-1-1
- for other licensee petroleum development roads (PDRs) and / or forestry roads	**AER** or Alberta Environment & Parks	24-Hour	1-800-222-6514

BRITISH COLUMBIA			
Road Type	**Contact (in List order)**	**Telephone**	
Provincial Highway / Roads *(highways with 1, 2, 3 digits or local names)*	**1. RCMP / Local Police** – advise of situation / request presence	24-Hour	9-1-1
	2. Traffic Management Centre BC – advise of situation / pending roadblocks	24-Hour	1 866 707-7862
	3. Highway Maintenance Contractor – advise of situation / roadblock locations	Argo Road Maint	1-800-663-7623
		Dawson Road Maint	1-800-842-4122
Petroleum Development Roads Forestry Roads	**1. RCMP / local police** – advise of situation / roadblock locations; request presence	24-Hour	9-1-1
	2. Notify of closures as needed: - for PDRs, notify BC Energy Regulator (BCER) directly - for forestry roads, notify Ministry of Forests, LNRORD Resource District office ***SEE PROVINCIAL GOVERNMENT CONTACTS TABLE BELOW***		

3.4 WATER INTAKE CLOSURE CONTACTS

** NOT APPLICABLE **

3.5 PROVINCIAL GOVERNMENT CONTACTS

ALBERTA			
NAME	**LOCATION / DESCRIPTION**	**TELEPHONE**	
Alberta Boilers Safety Association (ABSA) *Report an Incident (online reporting)*	https://www.absa.ca/unsafe-condition-accident-fire-reporting/report-an-incident/		
Alberta EDGE – Center for TDG *(Environmental and Dangerous Goods Emergencies)*	Province-Wide	24-Hour	1-800-272-9600
Alberta Emergency Management Agency (AEMA) *Provincial Operations Centre (POC)*	24 Hr Provincial Emergency Coordination Centre (PECC)	24-Hour	1-866-618-2362
Alberta Energy Regulator (AER) * *notify when blocking petroleum development and / or forestry roads*	Energy & Environmental Emergency or Complaint	24- Hour	1-800-222-6514
Alberta Environment and Protected Areas * *notify when blocking roads through or adjacent to Crown Land*			
Alberta Environment and Protected Areas	Report a Poacher	24-Hour	1-800-642-3800
		Telus Mobile	#3800
	Report a Wildfire	24-Hour	310- 3473 (FIRE)
Alberta Health Services	**24 Hr Emergency Notification Industry Only**		
	Email		
Alberta Transportation and Economic Corridors ***Provincial Highway Road Closures Support*** 1. call 9-1-1 / RCMP 2. call nearest Region / District Office *Highway maintenance contractors are responsible for maintenance activities including highway patrolling and emergency duties* ***Road& Weather Conditions:*** 511.alberta.ca	Grande Prairie District Office	Grande Prairie	780 538-5310
Occupational Health & Safety *(applicable BU / Group Safety Lead)*	Province-Wide	24-Hour	1-866-415-8690
Workers' Compensation Board	Province-Wide	24-Hour	1-866-922-9221

BRITISH COLUMBIA			
NAME	**LOCATION / DESCRIPTION**		**TELEPHONE**
BC Ambulance Service	Emergency		9-1-1
	Areas where 9-1-1 is not available		1 800 461-9911
	Cellphone / SAT Phone / Outside BC		250 374-5937
British Columbia Boiler Safety Association	Report an Incident or Hazard (online reporting) https://portal.technicalsafetybc.ca/report-incident/incident-reporting-form		
British Columbia Energy Regulator (BCER)	Emergency Coordination Centre		1 800 663-3456
Emergency Management BC (EMBC)			
Environment and Climate Change Strategy, Ministry of	Spills or Environmental Emergencies		1 800 663-3456
	Report All Poachers and Polluters (RAPP)		1 877 952-7277
Forests, Ministry of (*Natural Resource Districts)*			
Mackenzie Natural Resource District (DMK)	Mackenzie	Main	250 997-2200
Peace Natural Resource District (DPC)	Dawson Creek	Main	250 784-1200
Prince George Natural Resource District (DPG)	Prince George	Main	250 614-7400
Health Emergency Management BC (HEMBC)	Northern BC	24-Hr Emergency On Call	
Ministry of Public Safety & Solicitor General	Public Safety & Emergency Services Wildfire Reporting		1 800 663-5555 Cell: *5555
WorkSafe BC *(applicable BU/Group Safety Lead)*	Province-Wide	Worksite Emergency 24-Hr	1-888-621-7233

3.6 EMERGENCY SERVICE NUMBERS

ALBERTA			
SERVICE	**LOCATION**	**TELEPHONE**	
RCMP	Grande Prairie AB	24-Hour	9-1-1
Hospital	Grande Prairie AB	24-Hour	780-538-7100
Ambulance	Grande Prairie AB	24-Hour	9-1-1
Fire Department	Grande Prairie AB	24-Hour	9-1-1

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

3.7 TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS

- **TDG Incident Reporting**
  - **FOR AB:** contact a) 9-1-1 and b) Alberta EDGE 1-800-272-9600
  - **FOR BC:** contact a) 9-1-1 and b) EMBC 1 800 663-3456

- **CNRL LPG Incident Reporting (Propane & Butane)** – contact a) 9-1-1 and b) ERAC 1 800 265-0212
  ** provide Canadian Natural ERAP Number:*

• **CANUTEC (all instances)** ** only provides dangerous goods interaction guidance and technical information to responders.* ***DOES NOT offer emergency response services***	1 888 226-8832 (toll free) 613 996-6666 (call collect) Cell *666

3.8 MUNICIPAL GOVERNMENT CONTACTS

NAME	LOCATION	TELEPHONE NUMBER	
Clear Hills County	Worsley AB	24-Hour	780-835-8097
Peace River Regional District	Dawson Creek BC	Toll-free	1-800-670-7773
		Office	250-784-3200
		Fax	250-784-3201

3.9 FEDERAL GOVERNMENT CONTACTS

NAME	LOCATION	CONTACT INFORMATION	
Canadian Nuclear Safety Commission • *any accident involving nuclear reactor, nuclear fuel facility or radioactive materials* • *lost or damaged radioactive materials* • *any threat, theft, smuggling, vandalism or terrorist activity involving nuclear facility or radioactive materials*	**Duty Officer – emergency line**	**24-Hour**	**1 613 995-0479**
	Ottawa, ON	Toll Free	1 844 879-0805
Environment and Climate Change Canada *(will be notified through the respective provincial or territorial government)*	Alberta Energy and Environmental Emergency Response Line	24-Hour	1-800-222-6514
Fisheries & Ocean Canada *Report damage to fish habitat – contact Fish and Fish Habitat Protection Program by province*	Alberta, Manitoba, Saskatchewan, Northwest Territories		1 855 852-8320
Health Canada - *For emergencies where First Nations and Indigenous reserves are within the EPZ:* Environmental Public Health Services Department of Indigenous Services Canada, First Nations & Inuit Health Branch *- Environmental Health Officer (EHO)*	Alberta Regional Office Edmonton, AB	On Call 24-Hour EHO	
Indigenous Services Canada (ISC) Aboriginal Affairs and Northern Development Canada	Toronto Office	Toll Free	1-800-567-9604
NAV Canada – Flight Information Centres (FIC) *(calls to this number are routed to the FIC that serves the area from where the call originates)*	Nation-wide	Main	1-866-992-7433
Transport Canada (TC) See *Section 3.7 TDG / LPG – Initial Incident Reporting Contacts*	Nation-wide	General Inquiries	1 866 995-9737

3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING (MOBILE)			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Trojan Safety Services	BC, AB, SK	24-Hour FSJ	250 785-9557
		24-Hour GP	780 567-3440

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

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.3 COMMUNICATIONS RENTAL EQUIPMENT			
Expert Mobile	Grand Prairie	24-Hour	780-539-3962
Vector Communications	Grand Prairie	24-Hour	780-532-2555

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.4 DRONE / UAV OPERATORS			
Albatross Enterprises	Canada wide	Main	780 289-7732
Altius Drone Service	Western Canada	Main	780 937-5864
Bluelink Drone Solutions	Canada wide	Main	403 350-1766
Drone Alberta	AB	Main	780 394-2113
First Alert Locating Ltd	Grande Prairie, Rimbey, Sylvan Lake, Whitecourt	Main	1 866 538-9936
Hummingbird Drones	Fort St. John, BC	Main	250 857-5411
Infinity Drones Inc	Fort St. John, BC	Main	250 787-5110
Nortech Advanced NDT	Fort Nelson Fort St. John, BC	Main	780 380-9888
Northern Drone Services	BC, AB, NWT	Main	250 719-7469
Roy Northern Land and Environmental	Fairview, AB Fort St. John, BC	Main	780 835-2682
SmartDrones	BC, AB	Main	780 782-6593
UAV Imaging Inc.	BC, AB, SK, MB	Main	587 532-9000
UAV North Aerials Inc.	AB	Main	587 991-0997

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.5 FRESH WATER HAULING			
High Gear Water Services	Grande Prairie	Office	780-518-0250
Avenge Energy Services Inc.	Grand Prairie gpdispatch@avenge.ca	Office Dispatch	587-299-8815 780-539-0980
DINO's Potable Water	Grand Prairie	24 Hour	780-539-4302 780-766-3477

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.6 HELICOPTERS			
Bailey Helicopters	Edmonton, Fort Nelson, Fort St. John	Toll Free	1-877-822-2245
Canadian Helicopters	Edmonton, Fort McMurray, Fort St. John, Grande Prairie, Norman Wells (NWT)	24 Hr Emergency (Western Canada)	780-429-6900
Delta Helicopters	Edmonton, Fort McMurray, Fort St. John, High Level, Lac La Biche, Rainbow Lake, Slave Lake	Toll Free	1-800-665-3564
Heli-Source Ltd.	Fort McMurray, Grande Prairie, Hinton, Red Deer, Whitecourt		1-855-876-5716
Yellowhead Helicopters	Fort St. John, Hinton, Prince George		1-888-566-4401

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.7 IGNITION SERVICES (VAPOR PLUME) ***** CONTACT Service Provider to get accurate Staging Area ETA *****			
FireFly Critical Well Safety Equipment	**Equipment Location:** Red Deer only **ETA to Area:** approximately **8 hrs**	24-Hour	403-342-1050
	Equipment: fully automated ignition systems (stationary, trailer mounted and flarepit) **Services: NO IGNITION SERVICES.** Set up / demobilization on drilling sites, equipment operating training		
Firemaster Oilfield Services Inc.	**Equipment Location:** Grande Prairie **Best ETA to Area:** approximately **2 hrs 45 mins** from **GP**	24-Hour	1-403-342-7500
	Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment **Services:** ignition services - trailers dispatched with ignition certified Senior Hands		

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.7 IGNITION SERVICES (VAPOR PLUME) ***** CONTACT Service Provider to get accurate Staging Area ETA *****			
Safety Boss Services	**Equipment Location:** Fort St. John **Best ETA to Area:** approximately **1 hr 30 mins** from **FSJ** **Equipment:** safety flares & handheld pistols loaded onto H2S safety trailers as req'd *no remotely activated equipment **Services:** ignition services - trailers dispatched with ignition certified personnel	24-Hour	1-800-882-4967
Trojan Safety Services	**Equipment Location:** Fort St. John **ETA to Area:** approximately **1 hr 30 mins** **Equipment:** H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment **Services:** ignition services - trailers dispatched with ignition certified Safety Supervisors	24-Hour FSJ 24-Hour GP	250 785-9557 780 567-3440
United Safety Ltd.	**Equipment Location:** Grande Prairie **Best ETA to Area:** approximately **2 hrs 45 mins** from **GP** **Equipment:** H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment **Services:** ignition services - trailers dispatched with ignition certified Safety Supervisors **Location (Equipment):** Grande Prairie, Fort Saskatchewan, Fort St. John, Fort McMurray, Lloydminster	24-Hour	1-800-432-1809

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.8 SAFETY SERVICES			
Brogan Safety *- SO_2 monitors, etc*	Dawson Creek, Fort St. John, Grande Prairie	Grande Prairie	780-539-9004
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Services	BC, AB	24-Hour	1-800-882-4967
Trojan Safety Services	BC, AB, SK	24-Hour FSJ	250 785-9557
		24-Hour GP	780 567-3440
United Safety Ltd.	BC, AB	24-Hour	1-800-432-1809

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.9 SPILL RESPONSE SERVICES (INLAND)			
Clean Harbors	North America	24-Hour	1-800-645-8265
Gen7 Environmental Solutions	AB, SK	24-Hour	780-542-3676
Goodlands Environmental	MB, SK	Main	204 634-2245
		After Hrs	306 482-8151
North Shore Environmental Consultants	BC, AB, SK (small scale)	24-Hour	1-855-700-6732
QM Environmental	BC, AB, SK, MB	24-Hour	1-877-378-7745
Matrix Solutions Inc.	BC, AB, SK, MB	Main	1 877 774-5525
Roy Northern Land and Environment	BC, AB	Fairview	780-835-2682
		FSJ	250-261-6644
		Terrace	250-635-6973
Rapid Response Industrial Group	Canada-wide	24-Hour	1-844-774-4911
SWAT Consulting	Canada-wide	24-Hour	1-866-610-7928
Western Canadian Spill Services (WCSS)	See WCSS section		

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.10 WELL BLOWOUT CONTROL			
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Inc.	BC, AB	24-Hour	1-800-882-4967

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "8" AND COOP "9" **24-HOUR EMERGENCY CONTACT 1-866-541-8888** *** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers ***			
COOP "8"			
Regional Custodian *Primary Contact:* Cenovus James Barnhill	**Equipment Location** Husky Oil Operations Yard / Rainbow Lake SE 10-10-109-08 W6M	Phone	780-956-8052
		Cell	780-956-1814
Co-op Custodian *Primary Contact:* Muzzy's Contracting Bruce Muzichuk	**Equipment Location** 1072 Aspen Drive Zama City, AB **Directions:** Call Bruce Muzichuk	24 Hr	780-926-9797
Co-op Custodian *Primary Contact:* CNRL Chinchaga Gas Plant	**Equipment Location** CNRL Chinchaga Gas Plant 1-24-96-05 W6M **Directions:** On Hwy 35, travel 16 km from Manning north to Chinchaga Forestry Road. Turn west for 75 km, then north 5 km to plant site.	Control Room	780-836-3364 ext. 25
		Don Jaeger	780-836-6223
		Randy Matychuk	780-625-8642
COOP "9"			
Regional Custodian *Primary Contact:* Clean Harbors Production Services Jason MacMillan	**Equipment Location** Clean Harbors Surface Rentals 6715 – 85th Avenue Fort St. John, BC V1J 4J3	Phone	250-785-4577
		Cell	250-224-7925
Co-op Custodian *Primary Contact:* Troyer Ventures Ltd	**Equipment Location** 4850 – 46 Avenue Fort Nelson, BC V0C 1R0	24 Hr	250-774-5332

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

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

SECTION 4: PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES 1
4.1.1 Telephone Callers 1
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4.2 RECEPTION CENTRE(S) 1
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4.4 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE 1
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4 PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES

4.1.1 TELEPHONE CALLERS

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

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

4.1.2 AUTOMATED PUBLIC NOTIFICATION SYSTEM (NOT APPLICABLE)

4.2 RECEPTION CENTRE(S)

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

RECEPTION CENTRE	LOCATION	TELEPHONE NUMBER	
Dunvegan Inn & Suites	9812 – 113 Street Fairview AB T0H 1L0	Main	780-835-5100
Northern Grand Hotel & Conference Centre	9830 – 100 Avenue Fort St. John BC V1J 1Y5	Main	250-787-0521
Worsley Gateway Inn	355 Secondary Hwy 726 Worsley AB T0H 3W0	Main	780-685-2080

4.3 RESIDENT / ORGANIZATION INFORMATION

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

4.4 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

4.4.1 LOCATING TRANSIENTS AND RECREATIONAL USERS

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

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

4.4.2 ISOLATION OF EPZ PROCEDURES

- The On-Scene Supervisor will initially designate the necessary personnel to secure all entrances into the incident site and only allow access to authorized personnel. All personnel who are allowed entry will be briefed on the existing conditions and must be equipped with the appropriate Personal Protective Equipment (PPE).
- Cleared pipeline rights-of-way will be temporarily isolated to restrict access using isolation measures as determined at the time of the incident. Consider the use of aerial surveillance, traffic control / roadblock personnel or area rovers.

- Designated personnel will follow the Roadblock Personnel role checklist in the Emergency Response Guide or this manual to provide initial EPZ isolation. Ideally, authorization from the local authority and / or the RCMP should be obtained before establishing roadblocks on public roads.
- The Incident Commander will ensure notification and consultation with appropriate regulatory authorities and the RCMP or local police
- For longer term road closures, SMS 6.88 Traffic Control procedure should be used to ensure safe and proper control measures.
- **For temporary isolation of the EPZ in emergency situations, contact the following depending on the feature impacted:**

FEATURE TO BE CLOSED	TYPE OF CLOSURE REQUIRED	AGENCY TO CONTACT	CONTACT INFO SECTION
- for major highways (1, 2 or 3 digit highways)	Notification only	**RCMP** – advise of situation / request presence	See Section 3.3 Road Closure Contacts
- for other licensee petroleum development roads (PDRs) and / or forestry roads	Dispatch roadblocks & notification only	**AER** or Alberta Environment & Parks	See Section 3.3 Road Closure Contacts
Restricted Area	Fire Hazard (FH) Order	**AER** or Alberta Environment & Parks	Section 3.2 Mandatory Notifications
Restricted Area	Local State of Emergency	Local Municipality	Section 3.2 Mandatory Notifications
Navigable Water Courses	Closure	Local Municipality, RCMP / local police, local Search and Rescue	Section 3.6 Emergency Services
Railways	Closure	Transport Canada and Railway	N/A
Pipeline Right-of-Ways	Closure	Industry	Section 4.6 Industrial Operators
Airspace (establish No-Fly Zone)	NOTAM (Notice to Airmen)	NAV Canada	Section 3.9 Federal Government
		Provincial Authority at Level 2 or 3	Section 3.2 Mandatory Notifications

4.5 SCHOOLS DIVISION(S) / SCHOOL(S)

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

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

4.6 INDUSTRIAL OPERATOR(S)

If an industrial operator is the first person to identify a problem or emergency involving Canadian Natural Facilities, their response will be to notify Canadian Natural immediately. If Canadian Natural personnel are first to identify a problem or emergency, they will immediately notify all industrial operators within the determined EPZ. Neighbouring industrial operators may offer assistance depending on the resources of the company at the time. The following companies operate in the Emergency Planning Zone.

INDUSTRIAL OPERATOR NAME	OPERATIONS DESCRIPTION	CONTACT NUMBER	
Advantage Oil & Gas Ltd.	Wells in the area	24-Hour Emergency	1-866-266-5623
Archer Exploration Corp.	Wells/Pipelines in the area	Main	1-866-899-7247
Blue Sky Resources Ltd.	Pipelines in the area	24-Hour Emergency	1-844-514-2462
Bonavista Energy Corp *(Owned by Tourmaline Oil Corp.)*	Wells/Pipelines in the area	24-Hour Emergency	1-877-504-4252
BP Canada Energy Group	Wells/Pipelines in the area	Main	403-233-1313
Cardinal Energy Ltd.	Wells in the area	24-Hour Emergency	1-866-261-2632
Coelacanth Energy Inc.	Wells in the area	24-Hour Emergency	1-866-859-5962
Crescent Point Energy Corp.	Pipelines in the area	24-Hour Emergency	1-888-799-0043
Enercapita Energy Ltd.	Wells/Pipelines in the area	24-Hour Emergency	1-866-556-7838
North River Midstream Inc.	Pipelines in the area	24-Hour Emergency	1-844-667-8477
Nova Gas Transmission Ltd. *(Refer To TC Energy)*	Pipelines in the area	24-Hour Emergency	1-888-982-7222
Orlen Upstream Canada Ltd.	Wells/Pipelines in the area	24-Hour Emergency	1-866-835-6132
Pembina Pipeline Corp.	Wells/Pipelines in the area	24-Hour Emergency	1-800-360-4706
Shell Canada Ltd.	Wells in the area	24-Hour Emergency	1-800-661-7378
Spartan Delta Corp.	Wells in the area	24-Hour Emergency	1-403-266-8670
TC Energy	**EMAIL PIP** to		
	Pipelines in the area	24-Hour Emergency	1-888-982-7222
Venturion Oil Ltd. *(Owned by Cardinal Energy Ltd.)*	Wells/Pipelines in the area	24-Hour Emergency	1-866-261-2632

4.7 TRAPPERS / GUIDE OUTFITTERS

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

REGISTERED AREA	CONTACT NAME	CONTACT NUMBER	COMMENTS / NOTES

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

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

Land Use Disposition Types

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

REGISTERED AREA	CONTACT NAME	CONTACT NUMBER	COMMENTS / NOTES
NA			

4.9 FOREST MANAGEMENT AREA(S)

REGISTERED AREA	CONTACT NAME	CONTACT NUMBER	COMMENTS / NOTES
NA			

4.10 FIRST NATIONS / INDIGENOUS NATIONS

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

LOCAL INDIGENOUS NATION / BAND			
NAME	**CONTACT**	**TELEPHONE NUMBER**	**DESCRIPTION**
There are no known local Indigenous nation lands impacted by the EPZ(s).			

SECTION 5: GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION 1
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5.1.2 Emergency Control Systems 1
5.2 FACILITY, PIPELINE AND WELL INFORMATION 2
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5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

FACILITY NAME	Clearhills
FACILITY TYPE	Gas plant
FACILITY LICENSE	
FACILITY CODE	
LEGAL DESCRIPTION	
FACILITY DESCRIPTION	

5.1.2 EMERGENCY CONTROL SYSTEMS

TYPE	NTS LOCATION	LAT (Decimal Degrees)	LONG (Decimal Degrees)	EASTING (UTM NAD 83)	NORTHING (UTM NAD 83)	UTM ZONE	NOTES
BRITISH COLUMBIA							
ESD							

TYPE	LOCATION	NOTES
ALBERTA		
ESD		
CV		
CV		
ESD		

5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 ASSET LIST LEGEND

GENERAL		SUBSTANCE / SUB		STATUS / STAT		FROM FACILITY (FAC) / TO FACILITY (FAC)	
LICENSE	License Number	**OE**	Oil Effluent	**A**	Active ***(Facilities)***	**PL**	Pipeline
LINE	Line Number	**FG**	Fuel Gas	**O**	Operational	**WE**	Well
OD	Outer Diameter (mm)	**NG**	Natural Gas	**P**	To Be Constructed	**GP**	Gas Processing Plant
WT	Wall Thickness (mm)	**SW**	Salt Water	**D**	Discontinued	**IP**	Injection / Disposal Facility
MOP	Max Operating Pressure (kPa)	**LV**	Low Vapour Pressure Products	**S**	Suspended	**RI**	River
LENGTH	Length of Segment (km)	**CO**	Crude Oil	**U**	Unknown ***(Facilities)***	**LA**	Lake
H_2S	Licensed Hydrogen Sulphide (mol / kmol)	**FW**	Fresh Water			**S**	Satellite
REL VOL	Total H_2S Volume Between ESDs (m^3)	**SG**	Sour Gas			**CK**	Creek
IIZ	Initial Isolation Zone (km) – ***(AB only)***	**H_2S CONVERSION:** 1% = 10 mol / kmol = 10,000 ppm				**BE**	Blind End
SET EPZ	Emergency Planning Zone (m)					**B**	Battery
ESD	Emergency Shut Down Valve					**CS**	Compressor Station
CV	Check Valve					**MS**	Meter Station

5.2.2 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No facility information required

5.2.3 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES

- Pipelines are sorted by From Location
- Discontinued sour pipelines have been given an EPZ of "n/a" and will be calculated if their status changes
- IIZ = Initial Isolation Zone (area in close proximity to release location – consider stakeholder sheltering for temporary protection)

*** CER REGULATED PIPELINES:**
For any emergency involving CER regulated pipelines, contact Transportation Safety Board (TSB) first – they will contact the CER. Contact the applicable provincial authorities with a courtesy call. Refer to TSB / CER contact information / reporting requirements in Section 3.9 Federal Government Contacts

Provincial LICENSE --- CER Order Number	Line	Licensee	Sub	Stat	From Location	From (Fac)	To Location	To (Fac)	OD (mm)	WT (mm)	ID (mm)	MOP (kPa)	H_2S (mol / kmol)	Length (km)	H_2S Rel Vol (m^3)	IIZ (m)	Set EPZ (m)
																190	702
																150	1184
																-	470

5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No well information required

SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP....1
6.2 PUBLIC INFORMATION PACKAGE....1

6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP

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

EPZs are identified on the map as “yellow” shaded areas where applicable.

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

6.2 PUBLIC INFORMATION PACKAGE

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

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

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