



Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

RING BORDER / LADYFERN FIELD
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, 2025

Canadian Natural Resources Limited
24 Hour Emergency Number

1-888-878-3700



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

AMENDMENT RECORD

| Date (YYYY/MM/DD) ERP Planner | Rev | Revision Details | Annual Update (Y / N) | Date inserted in ERP (YYYY/MM/DD) | Inserted / Replaced by (Name & Signature) |
|----------------------------------|------|--|--------------------------|--------------------------------------|--|
| 2025/03/31 [Redacted] | 10-0 | <ul style="list-style-type: none"> Reviewed gathering system and EPZs – added in Drake field Map updated to reflect all changes (no residents in EPZs) Reviewed and updated gathering system, public and contact information where applicable | Y | | |
| 2024/03/31 [Redacted] | 9-0 | <ul style="list-style-type: none"> Reviewed and updated gathering system, contact information where applicable | Y | | |
| 2023/03/31 [Redacted] | 8-0 | <ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated | Y | | |
| 2022/03/31 [Redacted] | 7-0 | <ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated | Y | | |
| 2021/03/31 [Redacted] | 6-0 | <ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated | Y | | |
| 2020/03/31 [Redacted] | 5-0 | <ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated accordingly | Y | | |
| 2019/04/29 [Redacted] | 4-0 | <ul style="list-style-type: none"> Reviewed / updated all contact information Gathering system reviewed and updated accordingly | Y | | |

MANAGEMENT OF CHANGE PROTOCOL

Annual updates are indicated by a consecutive 'revision' number dash zero (e.g. 7-0) while other revisions (non-annual update) will trigger a consecutive number change after the dash (e.g. 7-1).

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

CANADIAN NATURAL RESOURCES LIMITED

Email: [Redacted]

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

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The Ring Border / Ladyfern Field ERP is Supplemental to Canadian Natural’s Corporate (Core) Emergency Response Plan and covers the following:

| AREA NAME | LOCATION | DESCRIPTION | REGULATOR ERP ID |
|-------------|----------|-------------|------------------|
| RING BORDER | | | |
| | | | |
| | | | |
| | | | |

TABLE OF CONTENTS

AMENDMENT PROTOCOL & RECORD

ALL HAZARDS IDENTIFICATION TABLE

1 SITE-SPECIFIC DISTRIBUTION LIST

- 1.1 INTERNAL COPIES
- 1.2 EXTERNAL COPIES

2 GENERAL INFORMATION

- 2.1 INTRODUCTION AND SUMMARY
 - 2.1.1 Facility - General Information Location
 - 2.1.2 Incident Command Post (ICP) / Emergency Operations Centre (EOC)
 - 2.1.3 Safe Locations
 - 2.1.4 General Land Use and Population Density
 - 2.1.5 Emergency & Roadblock Equipment
 - 2.1.5.1 Emergency Equipment
 - 2.1.5.2 Roadblock (EPZ Isolation) Equipment
 - 2.1.6 External Emergency Response Plans / Mutual Aid
 - 2.1.6.1 External Emergency Response Plans - Local Municipalities
 - 2.1.6.1.1 Peace River Regional District (PRRD) - (BC)
 - 2.1.6.1.2 Clear Hills County - (AB)
 - 2.1.6.1.3 County of Northern Lights - (AB)
 - 2.1.6.2 External Emergency Response Plans: Local Health Services
 - 2.1.6.2.1 HEMBC / Northern Health (NH)
 - 2.1.6.2.2 Alberta Health Services (AHS)
 - 2.1.6.3 Mutual Aid Agreements
 - 2.1.6.4 Mutual Aid Understandings
 - 2.1.6.4.1 Canadian Natural Operated Third Party Assets
 - 2.1.6.4.2 Third Party Operated Canadian Natural Assets
 - 2.1.6.4.3 Non-Operated Third Party Tie In Assets

- 2.1.7 Driving Directions and Map
 - 2.1.7.1 Driving Route
 - 2.1.7.2 Proximity To Nearest Urban Centre
 - 2.1.7.3 Latitude and Longitude Coordinates

2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

2.3 COMMUNICATIONS

- 2.3.1 Communication Equipment
- 2.3.2 Radio Frequencies

2.4 SPILL RESPONSE

3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

3.3 ROAD CLOSURE CONTACTS

3.4 WATER INTAKE CLOSURE CONTACTS (NOT APPLICABLE**)

3.5 PROVINCIAL GOVERNMENT CONTACTS

3.6 EMERGENCY SERVICE NUMBERS

3.7 TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS

3.8 MUNICIPAL GOVERNMENT CONTACTS

3.9 FEDERAL GOVERNMENT CONTACTS

3.10 CONTRACT SERVICES

- 3.10.1 Air Quality Monitoring (Mobile)
- 3.10.2 Aircraft (Fixed Wing) Charters
- 3.10.3 Communications Rental Equipment
- 3.10.4 Drone / UAV Operators
- 3.10.5 Fresh Water Hauling
- 3.10.6 Helicopters
- 3.10.7 Ignition Services (Vapor Plume)
- 3.10.8 Safety Services
- 3.10.9 Spill Response Services (inland)
- 3.10.10 Well Blowout Control
- 3.10.11 Western Canadian Spill Services (WCSS) Coop “8” & “9”

4 PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES

- 4.1.1 Telephone Callers
- 4.1.2 Automated Public Notification System (Not Applicable)

4.2 RECEPTION CENTRE(S)

- 4.3 RESIDENT / ORGANIZATION INFORMATION
- 4.4 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE
 - 4.4.1 Locating Transients and Recreational Users
 - 4.4.2 Isolation of EPZ Procedures
- 4.5 SCHOOLS DIVISION(S) / SCHOOL(S)
- 4.6 INDUSTRIAL OPERATOR(S)
- 4.7 TRAPPERS / GUIDE OUTFITTERS
- 4.8 GRAZING LEASE(S) / RESERVE(S) AND OTHER LAND USE DISPOSITIONS
- 4.9 FOREST MANAGEMENT AREA(S)
- 4.10 FIRST NATIONS / INDIGENOUS NATIONS

5 GATHERING SYSTEM INFORMATION

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

6 MAPS & PUBLIC INFORMATION PACKAGE

- 6.1 SITE SPECIFIC ERP MAP
- 6.2 PUBLIC INFORMATION PACKAGE



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

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

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



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

ALL HAZARDS IDENTIFICATION TABLE

Completed By: Area Field Operations & Emergency Management Tech

| POTENTIAL HAZARD | HAZARD IMPACTS: | | | | RANK HAZARD IMPACT <i>(Low / Med / High)</i> | MITIGATION MEASURES AVAILABLE | |
|---|-----------------|----------------|----------------------|----------------|---|--|--|
| | PUBLIC | ENVIRONMENT | | COMPANY ASSETS | | Fundamental Reference Materials as utilized in these management systems: ●Emergency Management ●Integrity ●Security ●Environmental Protection ●Damage Prevention Additional mitigation listed below, specific to potential hazard | |
| | | LAND USE AREAS | WILDLIFE / LIVESTOCK | | | CONTROLS / EQUIPMENT / RESOURCES | |
| <input checked="" type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release | NO | YES | YES | YES | LOW | <input checked="" type="checkbox"/> Personal Gas Monitor <input checked="" type="checkbox"/> Portable Gas Detector <input checked="" type="checkbox"/> SCBA <input type="checkbox"/> SABA <input checked="" type="checkbox"/> ESD Procedures <input checked="" type="checkbox"/> Emergency Planning Zone(s) <input checked="" type="checkbox"/> Ignition Resources – Equipment <input checked="" type="checkbox"/> Ignition Resources – Service Provider <input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> SCADA ESD <input type="checkbox"/> Other: | |
| <input type="checkbox"/> High Vapour Pressure (HVP) Pipeline Release <i>(pipelines that convey hydrocarbon mixtures in the liquid or quasi-liquid state with a vapour pressure of greater than 110 kPa absolute at 38°C)</i> | n/a | n/a | n/a | n/a | n/a | <input type="checkbox"/> SCADA ESD <input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Emergency Response Plan <input type="checkbox"/> ESD Procedures <input type="checkbox"/> Emergency Planning Zone(s) <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Fire Extinguishers <input type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs <input type="checkbox"/> Other: | |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| POTENTIAL HAZARD | HAZARD IMPACTS: | | | | RANK HAZARD IMPACT <i>Low / Med / High</i> | MITIGATION MEASURES AVAILABLE / NEEDED <i>Fundamental Reference Materials as utilized in these management systems: ●Emergency Management ●Integrity ●Security ●Environmental Protection ●Damage Prevention</i> Additional mitigation listed below, specific to potential hazard | |
|--|-----------------|----------------|----------------------|----------------|---|--|--|
| | PUBLIC | ENVIRONMENT | | COMPANY ASSETS | | CONTROLS / EQUIPMENT / RESOURCES | |
| | | LAND USE AREAS | WILDLIFE / LIVESTOCK | | | ACTIVE MITIGATIONS | |
| <p>Large Chemical Storage Hazards (CEPA – E2)</p> <p><input checked="" type="checkbox"/> (large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)</p> | NO | YES | YES | YES | LOW | <p><input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs</p> <p><input checked="" type="checkbox"/> Fire Extinguishers</p> <p><input checked="" type="checkbox"/> Industrial Firefighters</p> <p><input checked="" type="checkbox"/> Roadblock Kit(s)</p> <p><input checked="" type="checkbox"/> Communication Plans – Public / Media</p> <p><input checked="" type="checkbox"/> Ignition Resources – Equipment</p> <p><input checked="" type="checkbox"/> Ignition Resources – Service Provider</p> <p><input checked="" type="checkbox"/> Evacuation Zone</p> <p><input checked="" type="checkbox"/> Evacuation Procedures</p> <p><input checked="" type="checkbox"/> ESD (Automatic Valves) Procedures</p> <p><input type="checkbox"/> SCADA ESD</p> <p style="text-align: center;">PASSIVE MITIGATIONS</p> <p><input type="checkbox"/> Secondary Containment – e.g. earth berms, dikes</p> <p><input type="checkbox"/> Separator / Surface Water Collection System</p> <p><input checked="" type="checkbox"/> Vessel Protection Systems – e.g. PSVs, high level alarm</p> | |
| <p>Petroleum Release / Spill</p> <p><input checked="" type="checkbox"/> (on land or in water, includes all types of petroleum spills, gas releases, flammable vapours releases)</p> | NO | YES | YES | YES | LOW | <p><input type="checkbox"/> SCADA ESD</p> <p><input checked="" type="checkbox"/> CiNQ – Environment Conventional – Thermal Intranet Site: <i>spill reporting procedures / docs</i></p> <p><input checked="" type="checkbox"/> TDG / LPG Emergency Responsibilities (Guideline 10, Corporate ERP)</p> <p><input checked="" type="checkbox"/> WCSS / Other Spill Cooperative Manual</p> <p><input checked="" type="checkbox"/> WCSS / Other Water Control Point Location(s)</p> <p><input type="checkbox"/> Boom(s)</p> <p><input checked="" type="checkbox"/> Absorbent Material</p> <p><input checked="" type="checkbox"/> Roadblock Kit(s)</p> <p><input checked="" type="checkbox"/> Proper PPE</p> <p><input checked="" type="checkbox"/> Communication Plans – Public / Media</p> <p><input type="checkbox"/> Other:</p> | |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

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|--|---|---|---|----------------|---|---|--|
| | PUBLIC | ENVIRONMENT | | COMPANY ASSETS | | CONTROLS / EQUIPMENT / RESOURCES | |
| | | LAND USE AREAS | WILDLIFE / LIVESTOCK | | | | |
| <input checked="" type="checkbox"/> Asset Fire | NO | YES | YES | YES | LOW | <input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs <input checked="" type="checkbox"/> Fire Extinguishers <input checked="" type="checkbox"/> Fire Detection System (facilities) <input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Communication Plans – Public / Media <input checked="" type="checkbox"/> Evacuation Procedures <input checked="" type="checkbox"/> ESD Procedures <input type="checkbox"/> Other: | |
| <input checked="" type="checkbox"/> Wildfire <i>(can include grassfires, forest fires)</i> | n/a <small>(municipal / provincial jurisdiction)</small> | n/a <small>(municipal / provincial jurisdiction)</small> | n/a <small>(municipal / provincial jurisdiction)</small> | YES | HIGH <small>(SMS Procedure 22.06)</small> | <input checked="" type="checkbox"/> ESD Procedures <input checked="" type="checkbox"/> Firefighting Equipment – e.g. shovels, axes, picks, water packs <input checked="" type="checkbox"/> Fire Extinguishers <input checked="" type="checkbox"/> Site Specific Wildfire Plans <input checked="" type="checkbox"/> Evacuation Procedures <input checked="" type="checkbox"/> Transportation Available <input checked="" type="checkbox"/> Provincial Wildfire Reporting Contact Numbers | |
| <input checked="" type="checkbox"/> On-Site Chemicals / Fuels <i>(at ERP's main facilities)</i> | n/a <small>(hazards contained within lease boundaries)</small> | n/a <small>(hazards contained within lease boundaries)</small> | n/a <small>(hazards contained within lease boundaries)</small> | YES | LOW | <input checked="" type="checkbox"/> Spill Reporting Procedures <input checked="" type="checkbox"/> SDS Inventory – <i>accessible via online database</i> <input checked="" type="checkbox"/> Fire Extinguishers <input checked="" type="checkbox"/> Absorbent Materials <input checked="" type="checkbox"/> Proper Storage <input checked="" type="checkbox"/> Proper PPE <input checked="" type="checkbox"/> SMS COP: <i>Chemical management and WHIMS 2015</i> | |
| <input checked="" type="checkbox"/> Company Facility Isolation <i>(if access roads closed)</i> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | YES | LOW | <input checked="" type="checkbox"/> Shelter / Evacuation Procedures <input type="checkbox"/> Other Transportation Available – e.g. snowmobile, ATV, helicopter, boat, etc. <input checked="" type="checkbox"/> Area Work Alone Procedures <input checked="" type="checkbox"/> Communication Plans <input checked="" type="checkbox"/> Other: | |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

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|--|---|---|---|----------------|---|---|--|
| | PUBLIC | ENVIRONMENT | | COMPANY ASSETS | | CONTROLS / EQUIPMENT / RESOURCES | |
| | | LAND USE | WILDLIFE / LIVESTOCK | | | | |
| <input checked="" type="checkbox"/> Communications Failure | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | YES | LOW | <input checked="" type="checkbox"/> Landlines <input checked="" type="checkbox"/> Cell phones <input type="checkbox"/> 2-Way Radios <input checked="" type="checkbox"/> 2-Way Radios – Service Provider <input checked="" type="checkbox"/> Internal Communication / Notification System <input type="checkbox"/> Other: | |
| <input checked="" type="checkbox"/> Power Outages | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | YES | LOW | <input type="checkbox"/> Back-up generator(s) <input checked="" type="checkbox"/> Communication systems <input type="checkbox"/> Other: | |
| <input checked="" type="checkbox"/> Severe Weather / Natural Disasters <i>(includes severe storms, blizzards, tornadoes, earthquakes, floods, landslides)</i> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | YES | LOW | <input checked="" type="checkbox"/> Communication Advisory <input checked="" type="checkbox"/> ESD Procedures <input checked="" type="checkbox"/> Area Working Alone Procedures <input checked="" type="checkbox"/> Shelter / Evacuation Procedures <input type="checkbox"/> Pumps <input type="checkbox"/> Other: | |
| <input checked="" type="checkbox"/> Pandemic <i>(reduced workforce)</i> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | YES | LOW | <input checked="" type="checkbox"/> Back-Up Resources for Continued Operations <input checked="" type="checkbox"/> Internal Communication / Notification System <input checked="" type="checkbox"/> Canadian Natural Pandemic Protocols – <i>Human Resources</i> | |
| <input checked="" type="checkbox"/> Security Threats <i>(theft / vandalism / violence / terrorism)</i> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | n/a <small>(not EPZ related)</small> | YES | LOW | <input checked="" type="checkbox"/> Internal Communication / Notification System <input checked="" type="checkbox"/> Roadblock Kits <input checked="" type="checkbox"/> Communication Plans – Public / Media <input checked="" type="checkbox"/> Evacuation Procedures <input checked="" type="checkbox"/> Information Systems: <i>Disaster Recovery Principles</i> | |
| <input type="checkbox"/> Other | | | | | | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

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 | Fort St. John Office | ✓ |
| 3 | [REDACTED] | Assistant Foreman | Fort St. John Office | ✓ |
| 4 | [REDACTED] | Operations Superintendent | Fort St. John Office | ✓ |
| 5 | [REDACTED] | Manager, Fort St. John Field Operations | Calgary Office | |
| Electronic (CiNQ) | [REDACTED] | Safety & Compliance Coordinator | Fort St. John Office | ✓ |
| 6 | [REDACTED] | Area Landman (BC) | Fort St. John Office | ✓ |
| 7 | [REDACTED] | Area Landman (AB) | Grand Prairie Office | ✓ |
| 8 | [REDACTED] Ladyfern | Facility | [REDACTED] | |
| 9 | [REDACTED] Ladyfern | Facility | [REDACTED] | |
| 10 | [REDACTED] Drake | Facility | [REDACTED] | |
| 11 | Area Designated Incident Command Post - BC | Designated Incident Command Post | Fort St. John Office | |
| 12 | Area Designated Incident Command Post - AB | Designated Incident Command Post | Grand Prairie Office | |
| 13 | Calgary Emergency Operations Centre (EOC) | | Calgary Office [REDACTED] | ✓ |
| * (x4) | ERP Map(s) for Roadblock Kits | | [REDACTED] Ladyfern [REDACTED] Ladyfern [REDACTED] Drake [REDACTED] Ring Border | |

* As per Personal Information Protection and Electronic Document ACT (PIPEDA), confidential information must be kept in a securely locked location

1.2 EXTERNAL COPIES

| COPY # | RECIPIENT | ORGANIZATION | LOCATION |
|-------------|---|---------------------------------------|--|
| eSubmission | British Columbia Energy Regulator | British Columbia Energy Regulator | www.bc-er.ca/energy-professionals/online-systems/esubmission/ |
| 14 | Emergency Response and Safety Inspector | British Columbia Energy Regulator | COURIER: 6534-100 th Avenue Fort St. John BC V1J 8C5 |
| 15 | CER – Hard Copy | Canada Energy Regulator | 517 – 10 th Avenue SW Calgary, AB T2R 0A8 |
| Flashdrive | CER – Electronic Copy | | |
| SWIM | E2 Plan registration only <i>(full copy not required)</i> | Environment and Climate Change Canada | [REDACTED] |
| Email | Deputy Director of Emergency Management | Clear Hills County | Box 240, Worsley, AB T0H 3W0 [REDACTED] |
| Email | Community Services Coordinator | County of Northern Lights | [REDACTED] |
| Email | Manager of Community Services | Peace River Regional District | [REDACTED] |
| Email | North Zone Manager, Environmental Public Health | AHS – North Zone | [REDACTED] |

| | |
|--------------------|---|
| <i>Flashdrive</i> | <i>Electronic copy on flashdrive</i> |
| <i>eSubmission</i> | <i>Electronic copy submitted via British Columbia Energy Regulator's online submission portal</i> |
| <i>Email</i> | <i>Electronic copy provided by email</i> |
| <i>SWIM</i> | <i>Single Window Information Management system under Environment and Climate Change Canada (ECCC)</i> |

CONFIDENTIALITY DISCLAIMER

Site-specific ERPs are forwarded electronically if specifically requested in writing by an external party and will exclude confidential information. An electronic version of the Corporate ERP, excluding confidential information, can be found here:

<https://www.cnrl.com/sustainability/workplace-process-safety/emergency-management>

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

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

SECTION 2: GENERAL INFORMATION

| | | |
|-----------|---|----|
| 2.1 | INTRODUCTION AND SUMMARY | 1 |
| 2.1.1 | Facility - General Information Location | 1 |
| 2.1.2 | Incident Command Post (ICP) / Emergency Operations Centre (EOC) | 1 |
| 2.1.3 | Safe Locations..... | 1 |
| 2.1.4 | General Land Use and Population Density | 2 |
| 2.1.5 | Emergency & Roadblock Equipment | 3 |
| 2.1.5.1 | Emergency Equipment | 3 |
| 2.1.5.2 | Roadblock (EPZ Isolation) Equipment..... | 4 |
| 2.1.6 | External Emergency Response Plans / Mutual Aid | 5 |
| 2.1.6.1 | External Emergency Response Plans - Local Municipalities | 5 |
| 2.1.6.1.1 | Peace River Regional District (PRRD) - (BC)..... | 5 |
| 2.1.6.1.2 | Clear Hills Country - (AB) | 6 |
| 2.1.6.1.3 | County of Northern Lights - (AB) | 7 |
| 2.1.6.2 | External Emergency Response Plans: Local Health Services..... | 8 |
| 2.1.6.2.1 | HEMBC / Northern Health (NH)..... | 8 |
| 2.1.6.2.2 | Alberta Health Services (AHS) | 9 |
| 2.1.6.3 | Mutual Aid Agreements | 10 |
| 2.1.6.4 | Mutual Aid Understandings | 10 |
| 2.1.6.4.1 | Canadian Natural Operated Third Party Assets | 10 |
| 2.1.6.4.2 | Third Party Operated Canadian Natural Assets | 10 |
| 2.1.6.4.3 | Non-Operated Third Party Tie In Assets | 10 |
| 2.1.7 | Driving Directions and Map | 11 |
| 2.1.7.1 | Driving Route | 11 |
| 2.1.7.2 | Proximity To Nearest Urban Centre | 11 |
| 2.1.7.3 | Latitude and Longitude Coordinates..... | 11 |
| 2.2 | EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS..... | 12 |
| 2.3 | COMMUNICATIONS | 13 |
| 2.3.1 | Communication Equipment | 13 |
| 2.3.2 | Radio Frequencies | 13 |
| 2.4 | SPILL RESPONSE | 13 |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

2 GENERAL INFORMATION

2.1 INTRODUCTION AND SUMMARY

2.1.1 FACILITY - GENERAL INFORMATION LOCATION

| | | |
|-------------------|---------------|--------------------------------|
| FACILITY LOCATION | | Compressor - DISC |
| | | Ladyfern |
| | | Ladyfern |
| | | Drake |
| | | Ring Border |
| PHONE NUMBERS | NUMBER | DESCRIPTION |
| | | Ladyfern East - Emergency Cell |
| | | Ladyfern East Office |
| | | Ladyfern West Office |
| | | Ladyfern West Camp |
| | | Ring Border Control Room |

| | | |
|--------------------------|-------------------------------|--------------------|
| DISTRICT OFFICE LOCATION | Fort St. John District Office | |
| PHONE NUMBERS | NUMBER | DESCRIPTION |
| | | Business |
| | | On-Call Phone |

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

| | | |
|-----------------|---|---------------|
| OFFICE LOCATION | Fort St. John District Office | |
| STREET ADDRESS | 6744 Airport Road Fort St. John BC V1J 4H9 | |
| MAILING ADDRESS | Bag 6450 Fort St. John BC V1J 4H9 | |
| PHONE NUMBERS | | Business |
| | | On-Call Phone |

2.1.3 SAFE LOCATIONS

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



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

2.1.4 GENERAL LAND USE AND POPULATION DENSITY

| | |
|---------------------------|---|
| Local Municipality | Clear Hills County (AB) County of Northern Lights (AB) Peace River Regional District (BC) |
| Area Land Use | Farming, Oil & Gas Operations, Grazing, Hunting, Trapping, Forestry |

| POPULATION DENSITY (WITHIN EPZ) | | |
|---------------------------------|--|---------------|
| NUMBER | TYPE | DESCRIPTION |
| 0 | Residences | N/A |
| 0 | Businesses / Organizations | N/A |
| 0 | Public Facilities / Recreational Areas | N/A |
| 10 | Trappers / Guide Outfitters | See Section 4 |
| 0 | Grazing Leases / Reserves | N/A |
| 0 | Forest Management Areas | N/A |
| 0 | First Nations | N/A |
| Several | Lakes / Rivers | |
| 0 | Public Highways | N/A |
| 0 | Other (Railway, logging, etc.) | N/A |

2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

| TYPE | QUANTITY | LOCATION / NOTES |
|--|----------|---|
| Burn Kit | 1 | Plant |
| Eye Wash Station – 1 litre bottle | | Each operator's truck |
| Eye Wash Station – 15 min flow | | |
| First Aid Kit | | Each operator's truck |
| First Aid Room | 1 | Plant |
| First Aid Station | 1 | Plant |
| Fire Blanket | | |
| Firefighting Hand Tools (<i>e.g. shovels, axes, picks, hand pump water packs, etc</i>) - minimum requirements in place for different provinces (see Corp ERP, Section 2.2.4) | | Hand Pump/Shovel/Axe in Operator truck(s) |
| Handheld Fire Extinguisher | | Facilities and operator trucks |
| Ignition Equipment | 1 | Plant |
| Personal Gas Monitor | | All personnel carry one |
| Portable Gas Detector | 5 | Plant |
| Portable Spill Response Kit | 1 | Plant |
| Self-Contained Breathing Apparatus (SCBA) | | Each operator's truck |
| Spill Response Trailer | | None located on site Nearest Canadian Natural trailer(s): - FSJ Office |
| Supplied Air Breathing Apparatus (SABA) | | |

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) | 4 | 1 Roadblock Kit stored at: [REDACTED] Ladyfern 1 Roadblock Kit stored at: [REDACTED] Ladyfern 1 Roadblock Kit stored at: [REDACTED] Drake 1 Roadblock Kit stored at: [REDACTED] Ring Border <i>Additional Roadblock Kits may be available from:</i> [REDACTED] (1) Velma [REDACTED] (1) Milligan [REDACTED] (2) Wildmint |

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID

Canadian Natural maintains emergency response support / mutual aid understandings with local authorities impacted by this ERP and information from these understandings are included in the sections below. These understandings are maintained by annual consultations; consultation forms are filed separately with the Emergency Management group and are not included in this plan. Consultation forms are used to:

- Collect contact information for emergency notification and updating purposes
- Inform government / agency / emergency responder of Canadian Natural practices and procedure to be followed
- Make available relevant information consistent with that which is specified in our Emergency Response Plan (ERP) to the government / agency / emergency responder
- Clarify roles, responsibilities and capabilities of both parties, including support and / or additional aid from agency
- Inform the government / agency / emergency responder of the potential hazards of Canadian Natural facilities
- Inform government / agency / emergency responder of Canadian Natural's risk controls and mitigation activities
- Collect the authorization signature of the relevant agency representative

2.1.6.1 External Emergency Response Plans - Local Municipalities

2.1.6.1.1 Peace River Regional 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.

Peace River Regional District (PRRD) has a formal Emergency Management Plan, which outlines the measures and sources of assistance that can be obtained to support emergency response efforts, within their jurisdictional boundaries. Upon request from the BC Energy Regulator (BCER), the Regional District may address emergency response capabilities, expectations and preparedness. If required or requested the Regional District may activate their emergency plan in order to achieve any of the following:

- Work with the BCER's Emergency Operations Centre (EOC) if established
- With remote support as a cooperating agency through the BCER Liaison Officer and/or,
- In the BCER operations section as an assisting agency

- Provide support and assistance to ensure notification of endangered area residents
 - Mass Alerting
 - Notifications
- Provide support to coordinate the delivery of Emergency Support Services (ESS) to evacuated or effected residents
- If necessary, declaration of a State of Local Emergency to enact legislative powers including but not limited to:
 - Issuance of Evacuation Alerts, Orders and Rescinds (persons, livestock, and animals);
 - Acquire or use any land or personal property considered necessary to prevent, respond or alleviate the effects of an event (following BCEMS Model); and
 - Control or Prohibit Travel in the region for safety
- Assist with public information service (joint, BCER, Industry and local government)
- Assist with the provision of building re-entry procedures jointly with utility providers, industry, Northern Health, and Technical Safety BC.

Emergency Services / Equipment:

Fire Services – 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; the fire dispatch center is located on Vancouver Island

Road Maintenance – All Road maintenance in the PRRD is the responsibility of the Ministry of Transportation and Infrastructure (MOTI) North and South Peace District.

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

Personnel – PRRD Facilities crews are available only to assist with PRRD-owned solid waste sites as well as water and Sewer systems

Equipment – None

Local Law Enforcement

Enforcement Services - All Police Services in the PRRD are under the responsibility of the local RCMP detachments, and available via 911

Community Peace Officers / Bylaw Officers: None

2.1.6.1.2 Clear Hills County - (AB)

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 Policy (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.
- 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.

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.1.3 County of Northern Lights - (AB)

County of Northern Lights

In accordance with Emergency Management Alberta, the County of Northern Lights and the Town of Manning have established a Municipal Emergency Management Joint Services Agency. The Director of Emergency Management is responsible for fulfilling the obligations of this position pursuant to the County and the Town of Manning Municipal Emergency Management bylaws.

Part of this mandate is the development and coordination of an overall program of preparedness for, response to and recovery from emergencies and disasters as well as assisting other municipalities to develop and maintain a high level of emergency preparedness.

The County of Northern Lights participates in the Peace Region Mutual Aid Agreement along with Northern Sunrise County, the Municipal Districts of Smoky River and Peace, the Towns of Peace River, Falher, Grimshaw, McLennan, High Level and the Villages of Donnelly, Nampa and Berwyn. This agreement provides for reciprocal support from all participants in the event that one party does not have adequate resources to deal with an emergency.

Local Law Enforcement

County Enforcement Services - All Police Services are under the responsibility of the local RCMP detachments, and available via 911.

Local RCMP Detachments

The local RCMP detachments of Fort St. John (BC), Northern Rockies (BC) and Manning (AB):

- 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

2.1.6.2.1 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 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.2.2 Alberta Health Services (AHS)

ENVIRONMENTAL PUBLIC HEALTH ROLES AND RESPONSIBILITIES

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

EPH will endeavor to:

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



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

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 # |
|--|----------|-------------------|
| Canadian Natural does not contract operate any third party assets in this area | | |

2.1.6.4.2 Third Party Operated Canadian Natural Assets

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

| THIRD PARTY OPERATOR | ERP NAME | 24 HR EMERGENCY # |
|---|----------|-------------------|
| Canadian Natural does not have any third party operated assets in this area | | |

2.1.6.4.3 Non-Operated Third Party Tie In Assets

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

| THIRD PARTY LICENSEE & OPERATOR | ERP NAME | 24 HR EMERGENCY # |
|---------------------------------|------------|-------------------|
| Northriver Midstream | [REDACTED] | 1-844-667-8477 |
| TAQA North | [REDACTED] | 403-724-5000 |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

2.1.7 DRIVING DIRECTIONS AND MAP

2.1.7.1 Driving Route

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

From [redacted] to [redacted]

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

From [redacted] to [redacted]

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

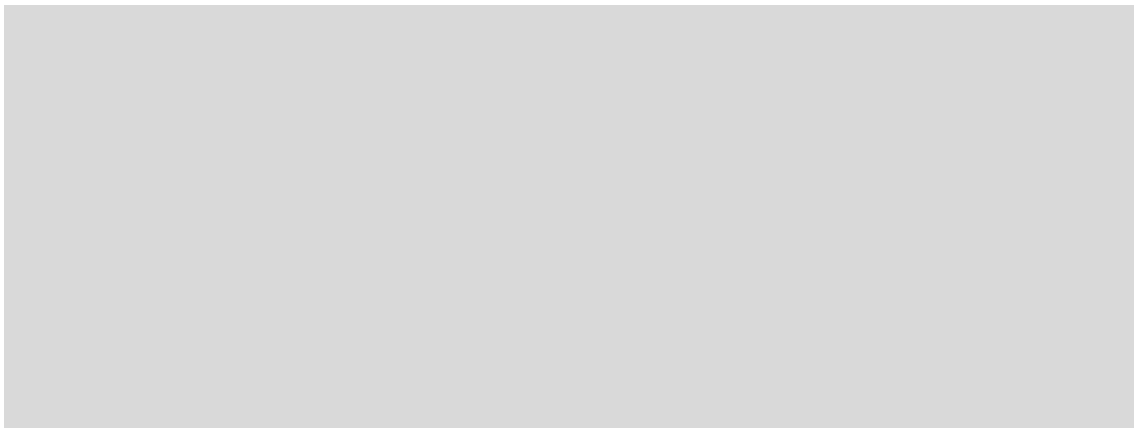
NOTE: Milligan Road [redacted]
Fontas Road [redacted]

2.1.7.2 Proximity To Nearest Urban Centre

Fort Nelson is located approximately 197 km northwest

2.1.7.3 Latitude and Longitude Coordinates

| FACILITY | LATITUDE (N) | LONGITUDE (W) |
|------------------------|--------------|---------------|
| LADYFERN [redacted] | [redacted] | [redacted] |
| LADYFERN [redacted] | [redacted] | [redacted] |
| DRAKE [redacted] | [redacted] | [redacted] |
| RING BORDER [redacted] | [redacted] | [redacted] |





EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

| PRESENT AT | PRESENT AT | PRESENT AT | PRESENT AT | TYPE | DESCRIPTION |
|------------|------------|------------|------------|--|--|
| Y | Y | Y | 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 | Y | Y | 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 | Y | Y | 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. |
| N | N | N | N | Aerial Surveillance | Pipelines may be surveyed on a regular basis to detect leaks. |
| Y | Y | Y | 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 | Y | Y | Y | Operator Inspections | Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect. |
| N | N | N | N | 24-Hour Manned Stations | Some Canadian Natural facilities are monitored 24 hours a day. |
| Y | Y | Y | Y | H ₂ S Monitors – Continuous | Continuous H ₂ S monitoring equipment is strategically located at all sour facilities. Monitors are calibrated at regular intervals and are designed to activate a call-out procedure to operational personnel if H ₂ S levels are detected at the facility. If H ₂ S levels reach a predetermined level, the system is designed to activate the Emergency Shutdown (ESD) and shut down the facility. |
| Y | Y | Y | Y | Gas Monitors – Handheld | Canadian Natural personnel are equipped with personal H ₂ S / LEL monitors for early detection. |
| Y | Y | Y | 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 | Y | Y | Y | Fire Detection Equipment | An ultraviolet fire detection system, “Fire Eyes,” may be installed throughout facilities. |
| Y | Y | Y | 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. |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

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 in the offices and 5 Hand Held radios at plant office. If more portable radios are required, contact service providers listed in Contract Services – Communications Rental Equipment |
| 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 |
|------|----------------|-----------------|
| | | |
| | | |
| | | |
| | | |
| | | |

2.4 SPILL RESPONSE

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

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

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

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

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

SECTION 3: CONTACTS AND TELEPHONE LISTS

| | | |
|---------|--|----|
| 3.1 | COMPANY EMERGENCY CONTACTS..... | 1 |
| 3.2 | MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART) . | 1 |
| 3.3 | ROAD CLOSURE CONTACTS | 3 |
| 3.4 | WATER INTAKE CLOSURE CONTACTS (NOT APPLICABLE**) | 3 |
| 3.5 | PROVINCIAL GOVERNMENT CONTACTS | 3 |
| 3.6 | EMERGENCY SERVICE NUMBERS..... | 5 |
| 3.7 | TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS..... | 5 |
| 3.8 | MUNICIPAL GOVERNMENT CONTACTS..... | 5 |
| 3.9 | FEDERAL GOVERNMENT CONTACTS..... | 6 |
| 3.10 | CONTRACT SERVICES | 7 |
| 3.10.1 | Air Quality Monitoring (Mobile)..... | 7 |
| 3.10.2 | Aircraft (Fixed Wing) Charters..... | 7 |
| 3.10.3 | Communications Rental Equipment..... | 7 |
| 3.10.4 | Drone / UAV Operators | 7 |
| 3.10.5 | Fresh Water Hauling | 8 |
| 3.10.6 | Helicopters | 8 |
| 3.10.7 | Ignition Services (Vapor Plume)..... | 8 |
| 3.10.8 | Safety Services | 9 |
| 3.10.9 | Spill Response Services (inland) | 10 |
| 3.10.10 | Well Blowout Control..... | 10 |
| 3.10.11 | Western Canadian Spill Services (WCSS) Coop “8” & “9” | 10 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

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

3.2 MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)

| | | | |
|---|---|---|-----------------------|
| FOR CER PIPELINE INCIDENTS ONLY, CONTACT: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corporate ERP: Guideline 8: CER Event Reporting Guidelines</i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System | For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS | 24-Hour | 1-819-997-7887 |
| | For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i> | https://apps.cer-rec.gc.ca/ers | |

AND APPLICABLE PROVINCIAL MANDATORY NOTIFICATIONS:



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| NAME | LOCATION | TELEPHONE | |
|--|-----------------|---|-----------------------|
| BRITISH COLUMBIA | | | |
| Emergency Management and Climate Readiness (EMCR) <i>EMCR will contact BC Energy Regulator (BCER)</i> If applicable, use this number to also verbally report an E2 Emergency ----- <ul style="list-style-type: none"> • <i>Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator in conjunction with EM Team</i> • <i>Environment Canada notified by EMCR</i> | Province-Wide | For all emergencies 24-Hour Incident Reporting | 1-800-663-3456 |
| | | * For E2 Emergency Reporting only: <i>Single Window Information Management (SWIM)</i> https://ec.ss.ec.gc.ca | |
| Peace River Regional District | Dawson Creek BC | Toll-free | 1-800-670-7773 |
| Health Emergency Management BC (HEMBC) <i>* contact only if 5 or more injured persons</i> | Northern BC | 24-Hour Emergency On-Call | |
| RCMP | Province-Wide | 24-Hour | 9-1-1 |

| NAME | LOCATION | TELEPHONE | |
|---|---------------|---|-----------------------|
| ALBERTA | | | |
| Energy & Environmental Response Line <i>Alberta Environment / Alberta Energy Regulator (AER)</i> If applicable, use this number to also verbally report an Environmental Emergency (E2) ----- <ul style="list-style-type: none"> • <i>Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator in conjunction with EM Team</i> • <i>Environment Canada notified by AER</i> | Province-Wide | For all emergencies 24-Hour Incident Reporting | 1-800-222-6514 |
| | | * For E2 Emergency Reporting only: <i>Single Window Information Management (SWIM)</i> https://ec.ss.ec.gc.ca | |
| Clear Hills County | Worsley, AB | 24-Hour | 780-835-8097 |
| | | Office | 780-685-3925 |
| County of Northern Lights | Manning AB | 24-Hour | 780-836-0158 |
| | | Office | 780-836-3348 |
| Alberta Health Services <ul style="list-style-type: none"> • <i>ask for "Emergency Disaster Management" on call</i> | Province-Wide | 24-Hour | |
| | | Email | |
| RCMP | Province-Wide | 24-Hour | 9-1-1 |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

3.3 ROAD CLOSURE CONTACTS

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

| | ROAD TYPE | AGENCY | TELEPHONE | |
|---|--|--|-------------------|----------------|
| BC | Provincial Highway / Roads (highways with 1, 2, 3 digits or local names) | 1. RCMP / Local Police – advise of situation / request presence & roadblocks | 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 (PDRS) 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 | | | | |
| AB | - for major highways (1, 2 or 3 digit highways) | RCMP – advise of situation / request presence & roadblocks | 24-Hour Emergency | 9-1-1 |
| | - for other licensee PDRs and / or forestry roads | AER / Alberta Environment & Parks | 24-Hour | 1-800-222-6514 |

3.4 WATER INTAKE CLOSURE CONTACTS (NOT APPLICABLE**)

** NOT APPLICABLE**

3.5 PROVINCIAL GOVERNMENT CONTACTS

| NAME | LOCATION / DESCRIPTION | | TELEPHONE |
|---|--|------|-----------------------|
| BRITISH COLUMBIA | | | |
| 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.technicalafetybc.ca/report-incident/incident-reporting-form | | 1 866 566-7233 |
| British Columbia Energy Regulator (BCER) | Emergency Coordination Centre | | 1 800 663-3456 |
| Emergency Management and Climate Readiness (EMCR) | | | |
| 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 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| NAME | LOCATION / DESCRIPTION | | TELEPHONE |
|---|--|-----------------------------|-------------------------------|
| BRITISH COLUMBIA | | | |
| Prince George Natural Resource District (DPG) | Prince George | Main | 250 614-7400 |
| Health Emergency Management BC (HEMBC) <i>* contact only if 5 or more injured persons</i> | 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 <i>(applicable BU/Group Safety Lead)</i> | Province-Wide | Worksite Emergency 24-Hr | 1-888-621-7233 |

| NAME | LOCATION | TELEPHONE | |
|--|---|--------------|------------------|
| ALBERTA | | | |
| Alberta Boilers Safety Association (ABSA) <i>Report an Incident (online reporting)</i> | https://www.absa.ca/unsafe-condition-accident-fire-reporting/report-an-incident/ | | |
| Alberta EDGE – Center for TDG <i>(Environmental and Dangerous Goods Emergencies)</i> | Province-Wide | 24-Hour | 1-800-272-9600 |
| Alberta Emergency Management Agency (AEMA) <i>Provincial Operations Centre (POC)</i> | Province-Wide | 24-Hour | 1-866-618- 2362 |
| Alberta Energy Regulator (AER) <i>* notify when blocking petroleum development and / or forestry roads</i> | Energy & Environmental Emergency or Complaint | 24- Hour | 1-800-222-6514 |
| Alberta Environment and Protected Areas <i>* notify when blocking roads through or adjacent to Crown Land</i> | | | |
| Alberta Environment and Protected Areas <i>Parks Fish and Wildlife Land Water</i> | Report a Poacher | 24-Hour | 1-800-642-3800 |
| | | Telus Mobile | #3800 |
| | Report a Wildfire | 24-Hour | 310- 3473 (FIRE) |
| Alberta Health Services <i>* ask for "Emergency Disaster Management" on call</i> | Province-Wide | 24-Hour | |
| | | Email | |
| Alberta Transportation and Economic Corridors <i>Provincial Highway Road Closures Support</i> 1. call 9-1-1 / RCMP (for roadblocks) 2. call nearest Region / District Office (for notification only) <i>Highway maintenance contractors are responsible for maintenance activities including highway patrolling and emergency duties</i> Road & Weather Conditions: 511.alberta.ca | Grande Prairie District Office | | 780 538-5310 |
| | Peace River District Office | | 780 624-6280 |
| Occupational Health & Safety <i>(applicable BU / Group Safety Lead)</i> | Province-Wide | 24-Hour | 1-866-415-8690 |
| Workers' Compensation Board | Province-Wide | 24-Hour | 1-866-922-9221 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

3.6 EMERGENCY SERVICE NUMBERS

| SERVICE | LOCATION | TELEPHONE NUMBER | |
|------------------------------------|---------------------|--|----------------|
| BRITISH COLUMBIA | | NOTE: 9-1-1 does not work for all of BC | |
| RCMP | Fort St. John BC | 24-Hour | 9-1-1 |
| | | Office | 250-787-8100 |
| | Northern Rockies BC | 24-Hour | 9-1-1 |
| | | Office | 250-774-2700 |
| Hospital | Fort St. John BC | 24-Hour | 250-262-5200 |
| British Columbia Ambulance Service | Province-Wide | Emergency | 9-1-1 |
| | | Areas where 9-1-1 not available – 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 |
| | | Office | 250-785-0800 |
| ALBERTA | | ALL EMERGENCY SERVICES CALL 9-1-1 | |
| RCMP | Manning AB | Office | 780-836-3769 |
| Hospital | Grande Prairie AB | 24-Hour | 780-538-7100 |
| Ambulance | Grande Prairie AB | Office | 780-513-5290 |
| Fire Department | Grande Prairie AB | Office | 780-538-0393 |

3.7 TDG / LPG – INITIAL INCIDENT REPORTING CONTACTS

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

3.8 MUNICIPAL GOVERNMENT CONTACTS

| NAME | LOCATION | TELEPHONE NUMBER | |
|-------------------------------|-----------------|-------------------|--------------|
| Clear Hills County | Worsley AB | Office | 780-685-3925 |
| | | After Hours | 780-835-8097 |
| County of Northern Lights | Manning AB | 24-Hour Emergency | 780-836-0158 |
| | | Office | 780-836-3348 |
| Peace River Regional District | Dawson Creek BC | 24-Hour Emergency | 780-836-0158 |
| | | Office | 780-836-3348 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

3.9 FEDERAL GOVERNMENT CONTACTS

| NAME | LOCATION | CONTACT INFORMATION | |
|---|--|--|----------------|
| FOR CER PIPELINE INCIDENTS, CALL: Transportation Safety Board (TSB) *TSB will contact CER <i>See Forms & Guidelines section, Corp ERP: Guideline 8: CER Event Reporting Guidelines</i> NOTE: CER = Canada Energy Regulator OERS = CER's Online Event Reporting System | For "Immediately Reportable Events" within three (3) hours of discovery: a) call TSB 24-Hour Reporting Hotline and b) report via OERS | 24-Hour | 1-819-997-7887 |
| | For all other events, within 24 hours of discovery: a) report via OERS <i>If OERS is unavailable, report by calling TSB 24-Hour Reporting Hotline</i> | https://apps.cer-rec.gc.ca/ers https://apps.cer-rec.gc.ca/ers | |
| Canadian Nuclear Safety Commission <ul style="list-style-type: none"> any accident involving nuclear reactor, nuclear fuel facility or radioactive materials lost or damaged radioactive materials any threat, theft, smuggling, vandalism or terrorist activity involving nuclear facility or radioactive materials | Duty Officer – emergency line | 24-Hour | 1 613 995-0479 |
| | Ottawa, ON | Toll Free | 1 844 879-0805 |
| Environment and Climate Change Canada | * will be notified by respective provincial govt agency – see Section 3.2 | | |
| Fisheries & Ocean Canada <i>Report damage to fish habitat – contact Fish and Fish Habitat Protection Program by province</i> | Alberta, Manitoba, Saskatchewan, Northwest Territories | 1 855 852-8320 | |
| | British Columbia | 1 866 845-6776 | |
| Health Canada - For emergencies where First Nations and Indigenous reserves are within the EPZ Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch | BC – FNIH First Nations Health Authority | Main | 1-866-913-0033 |
| | BC – EMCR (fanout) | 24-Hour | 1-800-663-3456 |
| | AB - Environmental Health Officer (EHO) | 24-Hour | ██████████ |
| Indigenous Services Canada (ISC) Aboriginal Affairs & Northern Development Canada | Toronto Office | Toll Free | 1-800-567-9604 |
| NAV Canada – Flight Info Centre (FIC) To issue a NOTAM, have ready (if possible): - GPS coordinates, height, time frame | Nation wide | Toll Free Call Centre | 1-866-992-7433 |
| Transport Canada (TC) <i>See Section 3.7 TDG / LPG – Initial Incident Reporting Contacts</i> | Nation wide | General Inquiries | 1 866 995-9737 |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

3.10 CONTRACT SERVICES

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|--|-------------------|------------------|----------------|
| 3.10.1 AIR QUALITY MONITORING (MOBILE) | | | |
| Emergency Management and Climate Readiness / British Columbia Energy Regulator <i>(contact if no contract services are available)</i> | Province-Wide, BC | 24-Hour | 1-800-663-3456 |
| 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 | Fort St. John | 250 785-9557 |
| | | Grande Prairie | 780 567-3440 |
| | | Sylvan Lake | 403 309-3025 |

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

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|---|---------------|------------------|--------------|
| 3.10.3 COMMUNICATIONS RENTAL EQUIPMENT | | | |
| Petron Communications | Fort St. John | Main | 250-785-3333 |
| T & T Communications | Fort St. John | Main | 250-785-0310 |

| SERVICE AREA | COMPANY | TELEPHONE NUMBER |
|---|-------------------------------------|------------------|
| 3.10.4 DRONE / UAV OPERATORS | | |
| AB | Drone Alberta | 780 394-2113 |
| AB | Active Drone Solutions | 587-205-0502 |
| BC, AB | SmartDrones | 780-782-6593 |
| BC, AB, NWT | Northern Drone Services Canada | 780-512-7688 |
| BC, AB, SK, MB | UAV Imaging Inc. | 587-532-9000 |
| Canada wide | Albatross Enterprises Inc. | 780-289-7732 |
| Canada wide | Blue Link Drone Solutions | 403-350-1766 |
| Fairview, AB, Fort St. John, BC | Roy Northern Land and Environmental | 780-835-2682 |
| Fort Nelson, Fort St. John, BC | Nortech Advanced NDT | 780-380-9888 |
| Fort St. John, BC | Hummingbird Drones | 250-857-5411 |
| Fort St. John, BC | Infinity Drones Inc | 250-787-5110 |
| Grande Prairie, Rimbey, Sylvan Lake, Whitecourt | First Alert Locating Ltd | 866-538-9936 |
| SE Sask, SW Manitoba | Absolute Locating Ltd | 306-483-2194 |
| SK, AB, MB | Libitron Aerial | 306-519-2737 |
| Western Canada | Altius Drone Service | 780-937-5864 |
| Western Canada | Maverick Inspection Ltd. | 780-467-1606 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|-----------------------------------|-------------------|------------------|--------------|
| 3.10.5 FRESH WATER HAULING | | | |
| Fort St. John Water Inc. | Fort St. John | Office | 250-785-0862 |
| Northern Vac Services | Fort St. John, BC | Office | 250-785-5435 |
| Tidy Trucking | Fort St. John, BC | Office | 250-785-7515 |

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|----------------------------|--|--|----------------|
| 3.10.6 HELICOPTERS | | | |
| Bailey Helicopters | 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 Emerg <i>(Western Canada)</i> | 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 |
| Elevation Helicopters Ltd. | Grande Prairie | Main | 780-933-3841 |
| Gemini Heli Ltd. | Chetwynd, Grande Cache, Grande Prairie, High Level | Main | 780-539-4354 |
| Sequoia Helicopters | Lac La Biche, | Main | 780-404-1820 |
| | Red Earth / Slave Lake | Main | 780-805-6846 |
| | Whitecourt | Main | 780-204-8557 |
| Valley B Aviation | Manning, AB | Main | 780-836-4309 |
| Yellowhead Helicopters | Fort St. John, Hinton, Prince George | Main | 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 [REDACTED] | 24-Hour | 403-342-1050 |
| | Equipment: fully automated ignition systems (stationary, trailer mounted and flarepit) Services: NO IGNITION SERVICES. Set up / demobilization on drilling sites, equipment operating training | | |
| Firemaster Oilfield Services Inc. | Equipment Location: - Blackfalds (for central/south AB) - Grande Prairie (for central/north AB & BC) Best ETA to Area: approximately [REDACTED] | 24-Hour | 877-342-3473 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|--|---|------------------|--------------|
| 3.10.7 IGNITION SERVICES (VAPOR PLUME) | | | |
| ** CONTACT Service Provider to get accurate Staging Area ETA ** | | | |
| | Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Senior Hands | | |
| Safety Boss Services | Equipment Location: - Edmonton, Fort St. John Best ETA to Area: approximately ██████████ | 24-Hour | 800-882-4967 |
| | Equipment: safety flares & handheld pistols loaded onto H2S safety trailers as req'd *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified personnel | | |
| Trojan Safety Services | Equipment Location: 90% in Grande Prairie ETA to Area: approximately ██████████ | 24-Hour FSJ | 250-785-9557 |
| | Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Safety Supervisors | 24-Hour GP | 780-567-3440 |
| | | Sylvan Lake | 403-309-3025 |
| United Safety Ltd. | Equipment Location: - Fort McMurray, Fort Saskatchewan, Fort St. John, Grande Prairie, Lloydminster Best ETA to Area: approximately ██████████ | 24-Hour | 800-432-1809 |
| | Equipment: H2S safety trailers equipped w/ignition safety flares & hand held flare pistol *no remotely activated equipment Services: ignition services - trailers dispatched with ignition certified Safety Supervisors Location (Equipment): Grande Prairie, Fort Saskatchewan, Fort St. John, Fort McMurray, Lloydminster | | |

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|--|---|---------------------|----------------|
| 3.10.8 SAFETY SERVICES | | | |
| Brogan Safety - SO ₂ monitors, etc | Dawson Creek, Fort St. John, Grande Prairie, Whitecourt | Grande Prairie | 780-539-9004 |
| | | Whitecourt | 780-396-1005 |
| 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 |
| | | 24-Hour Sylvan Lake | 403 309-3025 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|-------------------------------|----------|------------------|----------------|
| 3.10.8 SAFETY SERVICES | | | |
| 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 Hours | 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 |
| | | Grande Prairie | 780-835-7016 |
| | | 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" & "9" | | | |
| 24-HOUR EMERGENCY CONTACT 1-866-541-8888 | | | |
| <i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i> | | | |
| Coop "8" | | | |
| Regional Custodian | Equipment Location Husky Oil Operations Yard | Office | 780-956-8052 |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| COMPANY | LOCATION | TELEPHONE NUMBER | |
|---|--|------------------|--------------|
| 3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP “8” & “9” 24-HOUR EMERGENCY CONTACT 1-866-541-8888 <i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i> | | | |
| Coop “8” | | | |
| <i>Primary Contact:</i> Cenovus James Barnhill | Rainbow Lake SE 10-10-109-08 W6M | Cell | 780-956-1814 |
| Co-op Custodian <i>Primary Contact:</i> Muzzy’s Contracting Bruce Muzichuk | Equipment Location 1072 Aspen Drive Zama City, AB Directions: Call Bruce Muzichuk | 24-Hour | 780-926-9797 |
| Coop “9” | | | |
| Regional Custodian <i>Primary Contact:</i> North River Midstream Kaylin Salanski | Equipment Location 13217 Westcoast Frontage Charlie Lake, BC V0C 1H0 Mile 53 Alaska Hwy | 24-Hour | 250-262-3446 |
| | | Office | 250-919-7282 |
| Co-op Custodian <i>Primary Contact:</i> Troyer Ventures Ltd. | Equipment Location 4850 - 46 Avenue Fort Nelson, BC V0C 1R0 | 24-Hour | 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 | PUBLIC NOTIFICATIONS | 1 |
| 4.1 | NOTIFICATION PROCEDURES | 1 |
| 4.1.1 | Telephone Callers | 1 |
| 4.1.2 | Automated Public Notification System (Not Applicable) | 1 |
| 4.2 | RECEPTION CENTRE(S) | 1 |
| 4.3 | RESIDENT / ORGANIZATION INFORMATION | 1 |
| 4.4 | SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE | 1 |
| 4.4.1 | Locating Transients and Recreational Users | 1 |
| 4.4.2 | Isolation of EPZ Procedures | 1 |
| 4.5 | SCHOOLS DIVISION(S) / SCHOOL(S) | 2 |
| 4.6 | INDUSTRIAL OPERATOR(S) | 2 |
| 4.7 | TRAPPERS / GUIDE OUTFITTERS | 3 |
| 4.8 | GRAZING LEASE(S) / RESERVE(S) AND OTHER LAND USE DISPOSITIONS | 4 |
| 4.9 | FOREST MANAGEMENT AREA(S) | 4 |
| 4.10 | FIRST NATIONS / INDIGENOUS NATIONS | 4 |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

4 PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES

4.1.1 TELEPHONE CALLERS

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

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

4.1.2 AUTOMATED PUBLIC NOTIFICATION SYSTEM (NOT APPLICABLE)

****NOT APPLICABLE FOR THIS AREA****

4.2 RECEPTION CENTRE(S)

Reception Centre options are listed below. The Reception Centre selected will be based on the site of the emergency and the safest route for evacuating residents out of the Emergency Planning Zone.

| RECEPTION CENTRE | LOCATION | TELEPHONE NUMBER | |
|----------------------|--|------------------|--------------|
| Noralta Motor Inn | 101 Rainbow Drive E Rainbow Lake AB T0H 2Y0 | 24-Hour | 780-956-5665 |
| Northern Grand Hotel | 9830 – 100 Avenue Fort St. John BC V1J 1Y5 | 24-Hour | 250-787-0521 |

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. As an alternative to the hard copy versions, this information may also be accessed by authorized users via the ERPlanning web-based application at [REDACTED].

4.4 SPECIAL CONSIDERATIONS FOR EMERGENCY RESPONSE

4.4.1 LOCATING TRANSIENTS AND RECREATIONAL USERS

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

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

4.4.2 ISOLATION OF EPZ PROCEDURES

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

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

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

4.5 SCHOOLS DIVISION(S) / SCHOOL(S)

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

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

4.6 INDUSTRIAL OPERATOR(S)

If an industrial operator is the first person to identify a problem or emergency involving Canadian Natural Facilities, their response will be to notify Canadian Natural immediately. If Canadian Natural personnel are the first people to identify a



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

problem or an emergency, they will immediately notify all industrial operators within the determined EPZ. Whether or not assistance will be given by neighbouring industrial operators will depend on the resources of the company at the time. The following companies operate in the Emergency Planning Zone.

| INDUSTRIAL OPERATOR NAME | OPERATIONS DESCRIPTION | TELEPHONE NUMBER | |
|---|--|-------------------|----------------|
| Calpine Canada Resources Company | Oil and Gas Operations | Office/ 24 Hour | 403-290-4100 |
| Cenovus Energy Inc. | Oil and Gas Operations | 24 Hour Emergency | 1-877-458-8080 |
| ConocoPhillips Canada Resources Corp. | Oil and Gas Operations | 24 Hour Emergency | 403-233-4000 |
| Dejour Energy (Alberta) Ltd. | Oil and Gas Operations | 24 Hour Emergency | 403-264-4737 |
| Harvest Operations Corp. | Oil and Gas Operations | 24 Hour Emergency | 1-800-760-2826 |
| Northriver Midstream Operations GP Inc. | Oil and Gas Operations | 24 Hour Emergency | 1-844-667-8477 |
| Orphan Planning & Restoration (BCER Orphan Site Reclamation Fund) | If well(s) in area are assigned as orphans, EMAIL PIP to orphanrestoration@bc-er.ca | | |
| | Wells | 24-Hour Emergency | 1-800-663-3456 |
| Orphan Well Association (OWA) AB | If well(s) in area are assigned to OWA, EMAIL PIP to info@orphanwell.ca | | |
| | Wells | 24-Hour Emergency | 1-844-440-0144 |
| Pembina Pipelines | Oil and Gas Operations | 24-Hour | 1-800-360-4706 |
| Plateau Pipeline Ltd. | Oil and Gas Operations | 24-Hour Emergency | 1-800-360-4706 |
| TAQA North Ltd. | Oil and Gas Operations | Office/ 24 Hour | 403-724-5000 |
| Tourmaline Oil Corp. | Oil and Gas Operations | 24-Hour Emergency | 1-877-504-4252 |
| TC Energy <i>Aka. Nova Gas Transmission</i> | If TC Energy is an operator in the area, EMAIL PIP to [REDACTED] | | |
| | Pipelines in area | 24-Hour Emergency | 1-888-982-7222 |

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 | NAME | CONTACT NUMBER | COMMENTS / NOTES |
|-----------------|------------|----------------|------------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| REGISTERED AREA | 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 |
|-----------------|--------------|----------------|------------------|
| N/A | | | |

4.9 FOREST MANAGEMENT AREA(S)

| REGISTERED AREA | CONTACT NAME | CONTACT NUMBER | COMMENTS / NOTES |
|-----------------|--------------|----------------|------------------|
| N/A | | | |

4.10 FIRST NATIONS / INDIGENOUS NATIONS

All direct communication on behalf of Canadian Natural with First Nations / Indigenous Nations will be undertaken by the applicable Surface Landman.

| 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. | | | |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

LOCAL INDIGENOUS NATION / BAND

| NAME | CONTACT | TELEPHONE NUMBER | DESCRIPTION |
|------------|------------|------------------|-------------|
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

SECTION 5: GATHERING SYSTEM INFORMATION

| | | |
|-------|--|---|
| 5.1 | FACILITY INFORMATION..... | 1 |
| 5.1.1 | Facility Summary..... | 1 |
| 5.1.2 | Emergency Control Systems..... | 4 |
| 5.2 | FACILITY, PIPELINE AND WELL INFORMATION | 5 |
| 5.2.1 | Asset List Legend..... | 5 |
| 5.2.2 | Facility Release Rates and Emergency Planning Zones..... | 5 |
| 5.2.3 | Pipeline Release Volumes and Emergency Planning Zones..... | 6 |
| 5.2.4 | Well Release Rates and Emergency Planning Zones | 6 |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

5 GATHERING SYSTEM INFORMATION

5.1 FACILITY INFORMATION

5.1.1 FACILITY SUMMARY

| | |
|-------------------|-------------------|
| FACILITY NAME | MEARON [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|------------------------|
| FACILITY NAME | RING BORDER [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|------------------|
| FACILITY NAME | GUTAH [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|---------------------|
| FACILITY NAME | LADYFERN [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|------------------|
| FACILITY NAME | GUTAH [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|---------------------|
| FACILITY NAME | LADYFERN [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|------------------|
| FACILITY NAME | DRAKE [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|--------------------------|
| FACILITY NAME | KAHNTAH RIVER [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|--------------------|
| FACILITY NAME | ZAREMBA [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|--------------------------|
| FACILITY NAME | KAHNTAH RIVER [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | RING [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY CODE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | DAHL [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | DAHL [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

| | |
|-------------------|-----------------|
| FACILITY NAME | DAHL [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |



Canadian Natural

EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

| | |
|--------------------------|------------------|
| FACILITY NAME | GUTAH [REDACTED] |
| FACILITY TYPE | [REDACTED] |
| FACILITY LICENSE | [REDACTED] |
| LEGAL DESCRIPTION | [REDACTED] |

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 | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| HPSD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] |

| TYPE | LOCATION | NOTES |
|----------------|------------|------------|
| ALBERTA | | |
| ESD | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] |
| ESD / CV | [REDACTED] | [REDACTED] |
| ESD | [REDACTED] | [REDACTED] |



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

5.2 FACILITY, PIPELINE AND WELL INFORMATION

5.2.1 ASSET LIST LEGEND

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

5.2.2 FACILITY RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No facility information required for this plan



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

5.2.3 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES

CER REGULATED PIPELINES:

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

NOTES: • Pipelines are sorted by From Location

| Provincial LICENSE --- CER Order Number | Line | Licensee | Sub | Stat | From Location | From (Fac) | To Location | To (Fac) | OD (mm) | WT (mm) | MOP (kPa) | H ₂ S (mol / kmol) | Length (km) | H ₂ S Rel Vol (m ³) | Set EPZ (m) |
|---|------|----------|-----|------|------------------|---------------|----------------|-------------|------------|------------|--------------|-------------------------------------|----------------|--|-------------------|
| | | | | | | | | | | | | | | | N/A |
| | | | | | | | | | | | | | | | 980 |
| | | | | | | | | | | | | | | | 980 |
| | | | | | | | | | | | | | | | 980 |
| | | | | | | | | | | | | | | | 980 |
| | | | | | | | | | | | | | | | 980 |

5.2.4 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No well information required for this plan



EMERGENCY RESPONSE PLAN

Ring Border / Ladyfern Field

Revision 10-0 | March 31, 2025

24-Hour Emergency 1-888-878-3700

SECTION 6: MAPS & PUBLIC INFORMATION PACKAGE

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

6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 SITE SPECIFIC ERP MAP

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

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

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

6.2 PUBLIC INFORMATION PACKAGE

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

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