



Canadian Natural

CANADIAN NATURAL RESOURCES LIMITED

GRIZZLY VALLEY / HIDING CREEK 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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November 28, 2025

Canadian Natural Resources Limited
24 Hour Emergency Number

1-888-878-3700



EMERGENCY RESPONSE PLAN

Grizzly Valley / Hiding Creek Field

Revision 0-1 | April 2, 2026

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)
2026/04/02	0-1	Made changes to the following pages: <ul style="list-style-type: none"> • Before Table of Contents Page i Area Overview: Added "Sour" to [redacted] description • Section 5.2.3: Updated [redacted] Facility EPZ and H2S Release Volume 	N		
2025/11/28 [redacted]	0-0	<p><u>ERP Restructuring</u></p> <ul style="list-style-type: none"> • New ERP to update and integrate five existing ERPs or assets thereof, into one manual where common resources under same Foreman are utilized: <ul style="list-style-type: none"> • [redacted] • [redacted] • [redacted] • [redacted] • All assets, public and contact information updated and combined where applicable • Residents contacted / information updated • Maps revised to reflect all changes 	N		

MANAGEMENT OF CHANGE PROTOCOL

Annual updates are indicated by a full, consecutive 'revision' number before the dash (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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EMERGENCY RESPONSE PLAN

Grizzly Valley / Hiding Creek Field

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The Grizzly Valley / Hiding Creek Field ERP is supplemental to Canadian Natural's Corporate (Core) Emergency Response Plan and covers the following:

AREA NAME	LOCATION	DESCRIPTION	REGULATOR ERP ID
CER Regulated Pipeline		Natural Gas Pipeline	
CER Regulated Pipeline		Natural Gas Pipeline	
CER Regulated Pipeline		Natural Gas Pipeline	
CER Regulated Pipeline			
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CER Regulated Pipeline			
CER Regulated Pipeline			

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ALL HAZARDS IDENTIFICATION TABLE

Completed By: Area Field Operations & Emergency Management Tech

POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT (Low / Med / High)	MITIGATION MEASURES AVAILABLE	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		Fundamental Reference Materials as utilized in these management systems: • Safety • Emergency Management • Integrity • Security • Environmental Protection • Damage Prevention	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			Additional mitigations listed below, specific to potential hazard	
						CONTROLS / EQUIPMENT / RESOURCES	
<input checked="" type="checkbox"/> Hydrogen Sulphide (H ₂ S) Release	YES	YES	YES	YES	MED	<input checked="" type="checkbox"/> Personal Gas Monitor <input checked="" type="checkbox"/> Portable Gas Detector <input checked="" type="checkbox"/> SCBA <input checked="" 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 checked="" 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 – shovels, axes, picks, water packs <input type="checkbox"/> Other:	



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POTENTIAL HAZARD	HAZARD IMPACTS:				RANK HAZARD IMPACT <i>Low / Med / High</i>	MITIGATION MEASURES AVAILABLE <i>Fundamental Reference Materials as utilized in these management systems:</i> • Safety • Emergency Management • Integrity • Security • Environmental Protection • Damage Prevention Additional mitigations listed below, specific to potential hazard	
	PUBLIC	ENVIRONMENT		COMPANY ASSETS		CONTROLS / EQUIPMENT / RESOURCES	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			ACTIVE MITIGATIONS	
<input type="checkbox"/> Large Chemical Storage Hazards (CEPA – E2) <input type="checkbox"/> (large active storage vessels for NGLs, LPGs, LNGs, condensate, crude oil, hydrochloric acid, pentanes, etc.)	n/a	n/a	n/a	n/a	n/a	<input type="checkbox"/> Firefighting Equipment – <i>shovels, axes, picks, water packs</i> <input type="checkbox"/> Fire Extinguishers <input type="checkbox"/> Industrial Firefighters <input type="checkbox"/> Roadblock Kit(s) <input type="checkbox"/> Communication Plans – Public / Media <input type="checkbox"/> Ignition Resources – Equipment <input type="checkbox"/> Ignition Resources – Service Provider <input type="checkbox"/> Evacuation Zone <input type="checkbox"/> Evacuation Procedures <input type="checkbox"/> ESD (Automatic Valves) Procedures <input type="checkbox"/> SCADA ESD	
<input checked="" type="checkbox"/> Petroleum Release / Spill <input checked="" type="checkbox"/> (on land or in water, includes all types of petroleum spills, gas releases, flammable vapours releases)	YES	YES	YES	YES	MED	<input checked="" type="checkbox"/> SCADA ESD <input checked="" type="checkbox"/> CiNQ – Environment Conventional – Thermal Intranet Site: <i>spill reporting procedures / docs</i> <input checked="" type="checkbox"/> TDG / LPG Emergency Responsibilities (<i>Guideline 10, Corporate ERP</i>) <input checked="" type="checkbox"/> WCSS / Other Spill Cooperative Manual <input checked="" type="checkbox"/> WCSS / Other Water Control Point Location(s) <input checked="" type="checkbox"/> Boom(s) <input checked="" type="checkbox"/> Absorbent Material <input checked="" type="checkbox"/> Roadblock Kit(s) <input checked="" type="checkbox"/> Proper PPE <input checked="" type="checkbox"/> Communication Plans – Public / Media <input checked="" type="checkbox"/> Other: <i>CNRL Spill Response Trailer, FSJ Office</i>	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		<i>Fundamental Reference Materials as utilized in these management systems:</i> • Safety • Emergency Management • Integrity • Security • Environmental Protection • Damage Prevention	
		LAND USE AREAS	WILDLIFE / LIVESTOCK			Additional mitigations listed below, specific to potential hazard	
						CONTROLS / EQUIPMENT / RESOURCES	
<input checked="" type="checkbox"/> Asset Fire	YES	YES	YES	YES	LOW	<input checked="" type="checkbox"/> Firefighting Equipment – <i>shovels, axes, picks, water packs</i>	<input checked="" type="checkbox"/> Fire Extinguishers
						<input checked="" type="checkbox"/> Fire Detection System (facilities)	<input checked="" type="checkbox"/> Roadblock Kit(s)
						<input checked="" type="checkbox"/> Communication Plans – Public / Media	<input checked="" type="checkbox"/> Evacuation Procedures
						<input checked="" type="checkbox"/> ESD Procedures	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Wildfire <i>(can include grassfires, forest fires)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	n/a <i>(municipal / provincial jurisdiction)</i>	YES	HIGH <i>(SMS Procedure 22.06)</i>	<input checked="" type="checkbox"/> ESD Procedures	<input checked="" type="checkbox"/> Firefighting Equipment – <i>shovels, axes, picks, water packs</i>
						<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	n/a <i>(hazards contained within lease boundaries)</i>	n/a <i>(hazards contained within lease boundaries)</i>	n/a <i>(hazards contained within lease boundaries)</i>	YES	LOW	<input checked="" type="checkbox"/> 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 WHMIS 2015</i>	
<input checked="" type="checkbox"/> Company Facility Isolation <i>(if access roads closed)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	n/a <i>(not EPZ related)</i>	YES	LOW	<input checked="" type="checkbox"/> Shelter / Evacuation Procedures	<input type="checkbox"/> Other Transportation Available – e.g. <i>snowmobile, ATV, helicopter, boat, etc.</i>
						<input checked="" type="checkbox"/> Area Work Alone Procedures	<input checked="" type="checkbox"/> Communication Plans
						<input type="checkbox"/> Other:	



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	PUBLIC	ENVIRONMENT		COMPANY ASSETS		Fundamental Reference Materials as utilized in these management systems: • Safety • Emergency Management • Integrity • Security • Environmental Protection • Damage Prevention	
		LAND USE	WILDLIFE / LIVESTOCK			Additional mitigations listed below, specific to potential hazard	
						CONTROLS / EQUIPMENT / RESOURCES	
<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 checked="" type="checkbox"/> 2-Way Radios	<input checked="" type="checkbox"/> 2-Way Radios – Service Provider
						<input checked="" type="checkbox"/> Internal Communications / 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"/>	<input type="checkbox"/>



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1 SITE-SPECIFIC DISTRIBUTION LIST

1.1 INTERNAL COPIES

COPY #	RECIPIENT	POSITION	LOCATION	* CONFIDENTIAL INFORMATION INCLUDED (✓)
1	[REDACTED]	Foreman (BC)	Fort St. John Office	✓
2	[REDACTED]	Assistant Foreman (BC)	Fort St. John Office	✓
3	[REDACTED]	Assistant Foreman (BC)	Fort St. John Office	✓
4	[REDACTED]	Foreman (AB)	[REDACTED]	✓
5	[REDACTED]	Foreman (AB)	Truck	✓
6	[REDACTED]	Assistant Foreman (AB)	[REDACTED]	✓
7	[REDACTED]	Assistant Foreman (AB)	Truck	✓
8	[REDACTED]	Operations Superintendent (BC)	FSJ Office	✓
9	[REDACTED]	Area Superintendent (AB)	Grande Prairie Office	✓
10	[REDACTED]	Manager, Fort St. John Field Operations	Calgary Office	
Electronic (CiNQ)	[REDACTED]	Manager, NW Alberta Field Operations	Calgary Office	
11	Designated Incident Command Post	Designated Incident Command Post	Fort St. John Office	
12	Designated Incident Command Post	Designated Incident Command Post	Grande Prairie Office	
Electronic (CiNQ)	[REDACTED]	Safety & Compliance Coordinator (BC)	Fort St. John Office	
Electronic (CiNQ)	[REDACTED]	Safety & Compliance Coordinator (AB)	Grande Prairie Office	
Electronic (CiNQ)	[REDACTED]	Environmental Field Coordinator (BC)	Fort St. John Office	
Electronic (CiNQ)	[REDACTED]	Environmental Field Coordinator (AB)	Grande Prairie Office	
13	[REDACTED]	Surface Landman (BC)	Fort St. John Office	✓
14	[REDACTED]	Area Landman (AB)	St. Albert Office	✓
15	[REDACTED]	Facility	[REDACTED]	
16	[REDACTED]	Facility	[REDACTED]	
17	[REDACTED]	Facility	[REDACTED]	
18	[REDACTED]	Facility	[REDACTED]	
19	[REDACTED]	Facility	[REDACTED]	
20	[REDACTED]	[REDACTED]	[REDACTED]	
21	[REDACTED]	[REDACTED]	[REDACTED]	



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COPY #	RECIPIENT	POSITION	LOCATION	* CONFIDENTIAL INFORMATION INCLUDED (✓)
22	Calgary Emergency Operations Centre (EOC)		[REDACTED]	✓
*(x15)	ERP Map(s) for Roadblock Kit(s)		[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	
			[REDACTED]	

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



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1.2 EXTERNAL COPIES

COPY #	RECIPIENT	ORGANIZATION	LOCATION
23	CER – Hard Copy	Canada Energy Regulator	517 – 10 th Avenue SW Calgary, AB T2R 0A8
Flashdrive	CER – Electronic Copy		
24	Emergency Response and Safety Inspector	British Columbia Energy Regulator	COURIER: 6534-100 th Avenue Fort St. John BC V1J 8C5
eSubmission	British Columbia Energy Regulator	British Columbia Energy Regulator	
Email	Manager of Community Services	Peace River Regional District	
Email	Regional Fire Chief	Municipal District of Greenview	
Email	Director of Protective Services / Fire Chief	District of Tumbler Ridge	
Email	Regional Fire Service Chief	County of Grande Prairie	
Email	North Zone Manager, Environmental Public Health	AHS – North Zone	

Flashdrive	Electronic copy on flashdrive
eSubmission	Electronic copy submitted via British Columbia Energy Regulator's online submission portal
Email	Electronic copy provided by email

CONFIDENTIALITY DISCLAIMER

In addition to the above, 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, also excluding confidential information, can be found on the corporate website:

<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

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2 GENERAL INFORMATION

2.1 INTRODUCTION AND SUMMARY

2.1.1 FACILITY - GENERAL INFORMATION LOCATION

FACILITY	LOCATION	PHONE NUMBER	DESCRIPTION
CNRL FACILITIES			
			24 Hour
			Main Office. People on site at night.
			Main Office. 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
			Main Office. 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
			Camp Phone
			Main Office
			Main Office
			Main Office 1-2 personnel make daily visits. (This is NOT manned 24 hours.)
			Main Office
			Main Office
			Main Office
			Main Office
			Main Office
			Main Office
MUTUAL AID: SUKUNKA NATURAL RESOURCES INCORPORATED (SNRI) FACILITIES			
			Main Office
			Conference Room
			Main Office
			Control Room
			Emergency Response Room
			Lunch Room
			Control Room

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



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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	Same as above	
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



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2.1.4 GENERAL LAND USE AND POPULATION DENSITY

Local Municipality	
Area Land Use	Oil and gas, hunting, trapping, guiding, ranching, mining, residential, recreational

POPULATION DENSITY (WITHIN EPZ)		
NUMBER	TYPE	DESCRIPTION
33	Residences	See Section 4
99	Businesses / Organizations	See Section 4
9	Public Facilities / Recreational Areas	See Section 4
26	Trappers / Guide Outfitters	See Section 4
1	Grazing Leases / Reserves	See Section 4
0	Forest Management Areas	See Section 4
7	First Nations	See Section 4
Many	Lakes / Rivers	
2	Public Highways	
5	Other	-



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2.1.5 EMERGENCY & ROADBLOCK EQUIPMENT

2.1.5.1 Emergency Equipment

TYPE	QUANTITY	LOCATION / NOTES
Burn Kit		
Eye Wash Station – 1 litre bottle		
Eye Wash Station – 15 min flow		
First Aid Kit		
First Aid Room		
First Aid Station		
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)		
Handheld Fire Extinguisher		
Ignition Equipment		
Personal Gas Monitor		
Portable Gas Detector		
Portable Spill Response Kit		
Self-Contained Breathing Apparatus (SCBA)		
Spill Response Trailer		
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)		

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 [REDACTED] (BC)

2.1.6.1.2 [REDACTED] (BC)

2.1.6.1.3 [REDACTED] (AB)

2.1.6.1.4 [REDACTED] (AB)

IN CASE OF EMERGENCY, CALL 9-1-1

Local RCMP Detachments

The local RCMP detachments of [REDACTED]:

- 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 Alberta Health Services

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.

2.1.6 EXTERNAL EMERGENCY RESPONSE PLANS / MUTUAL AID (CONTINUED)

2.1.6.2 External Emergency Response Plans: Local Health Services (continued)

2.1.6.2.2 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



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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.

CNRL Subsidiary Companies Mutual Aid

Sukunka Natural Resources Inc. (SNRI) is a subsidiary of the Canadian Natural and owns assets in the area that are not covered by this ERP. Should an emergency occur SNRI will provide assistance, aid and available resources as required.

OPERATOR	ERP NAME	EMERGENCY NUMBER

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 #

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 #



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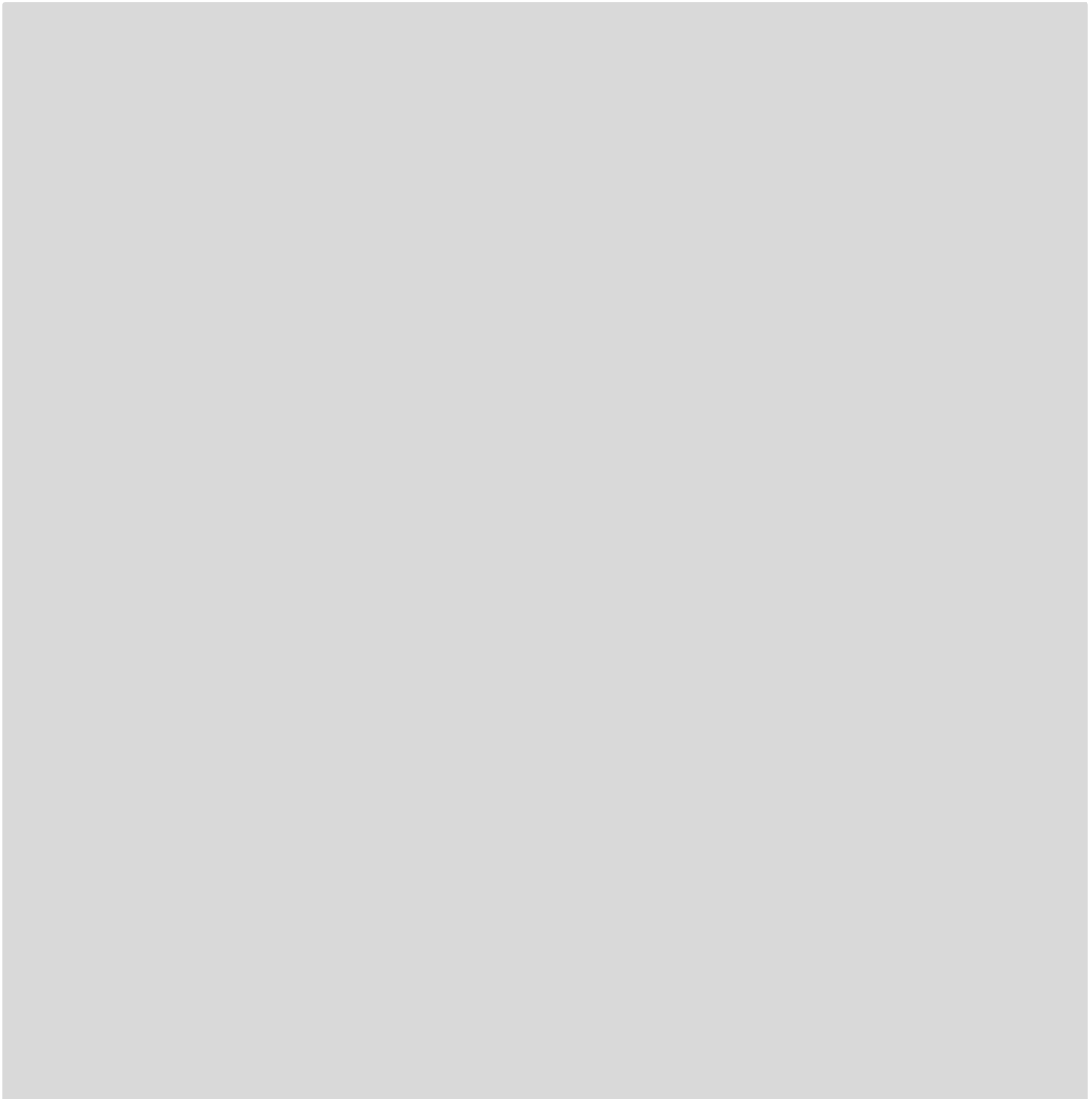
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2.1.7 DRIVING DIRECTIONS AND MAP

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 to:





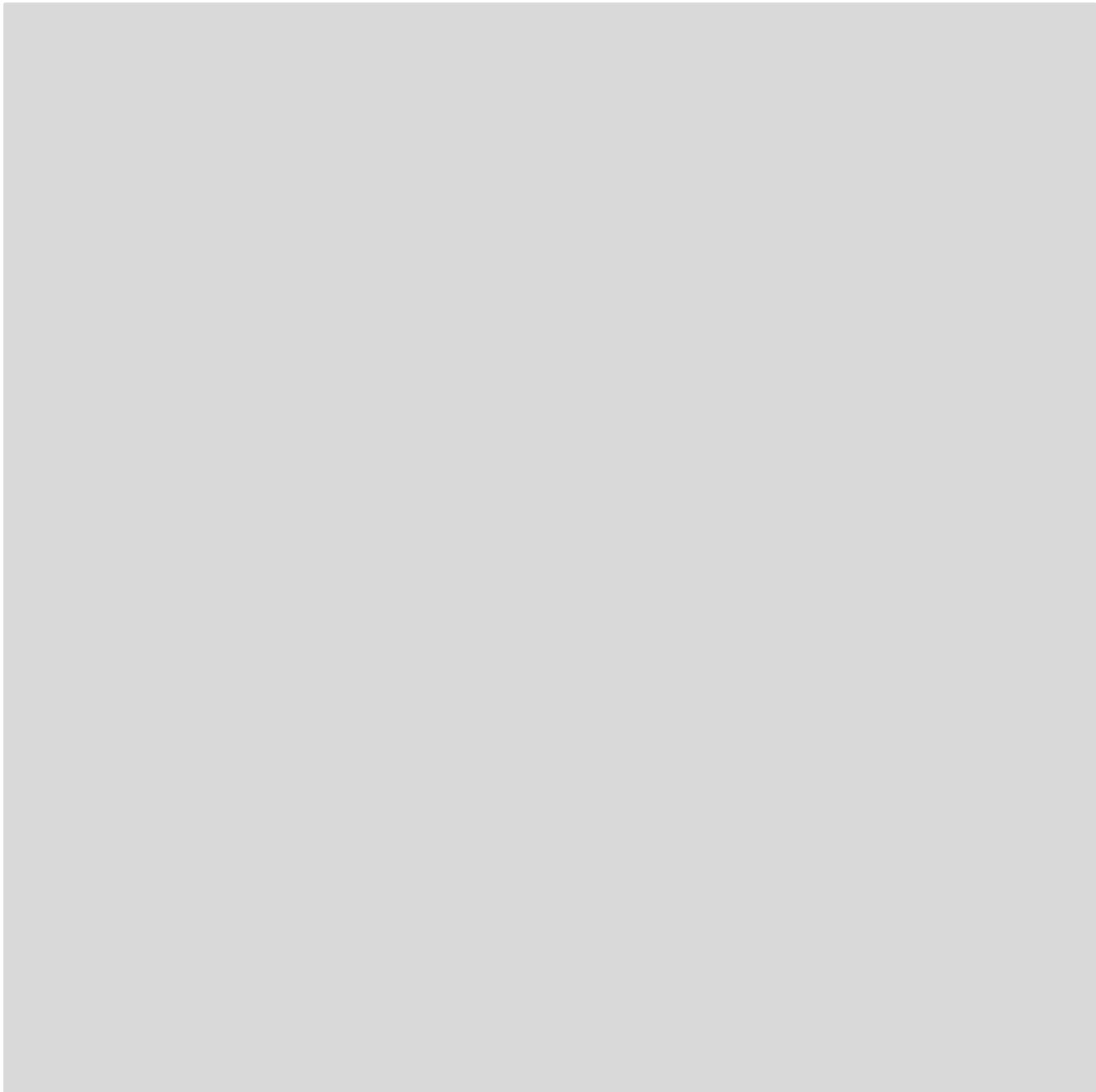
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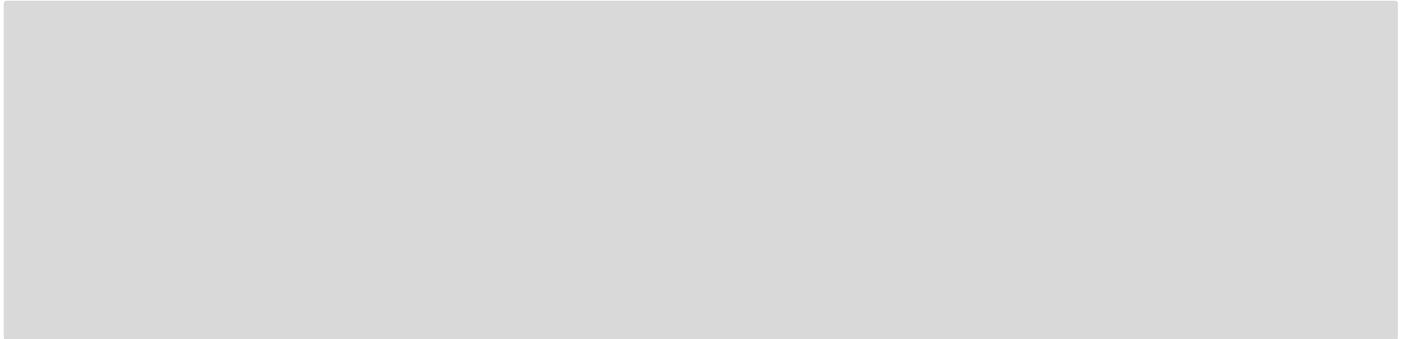
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2.1.7.2 Proximity To Nearest Urban Centre



2.1.7.3 Latitude and Longitude Coordinates

FACILITY	LATITUDE (N)	LONGITUDE (W)



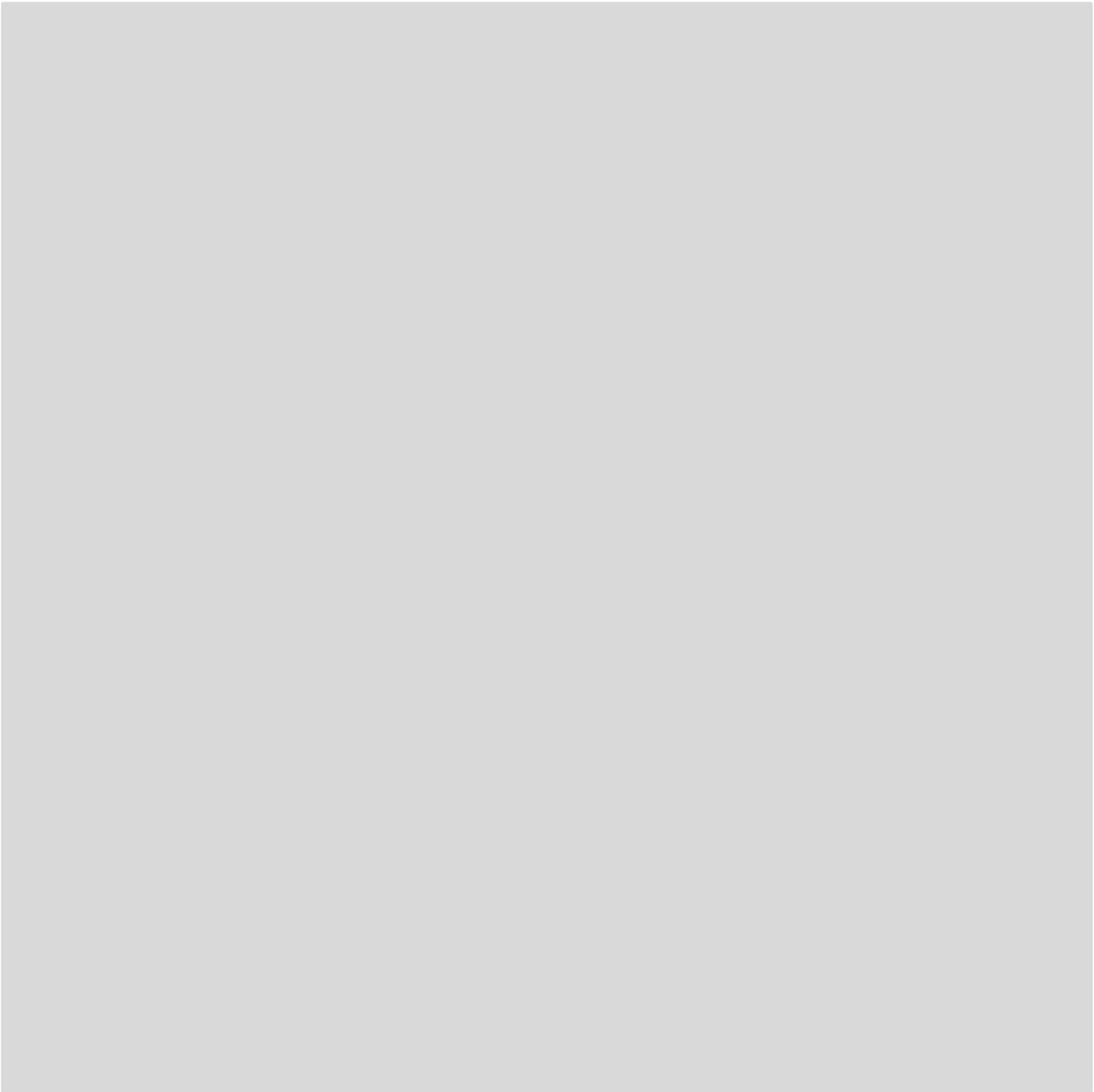
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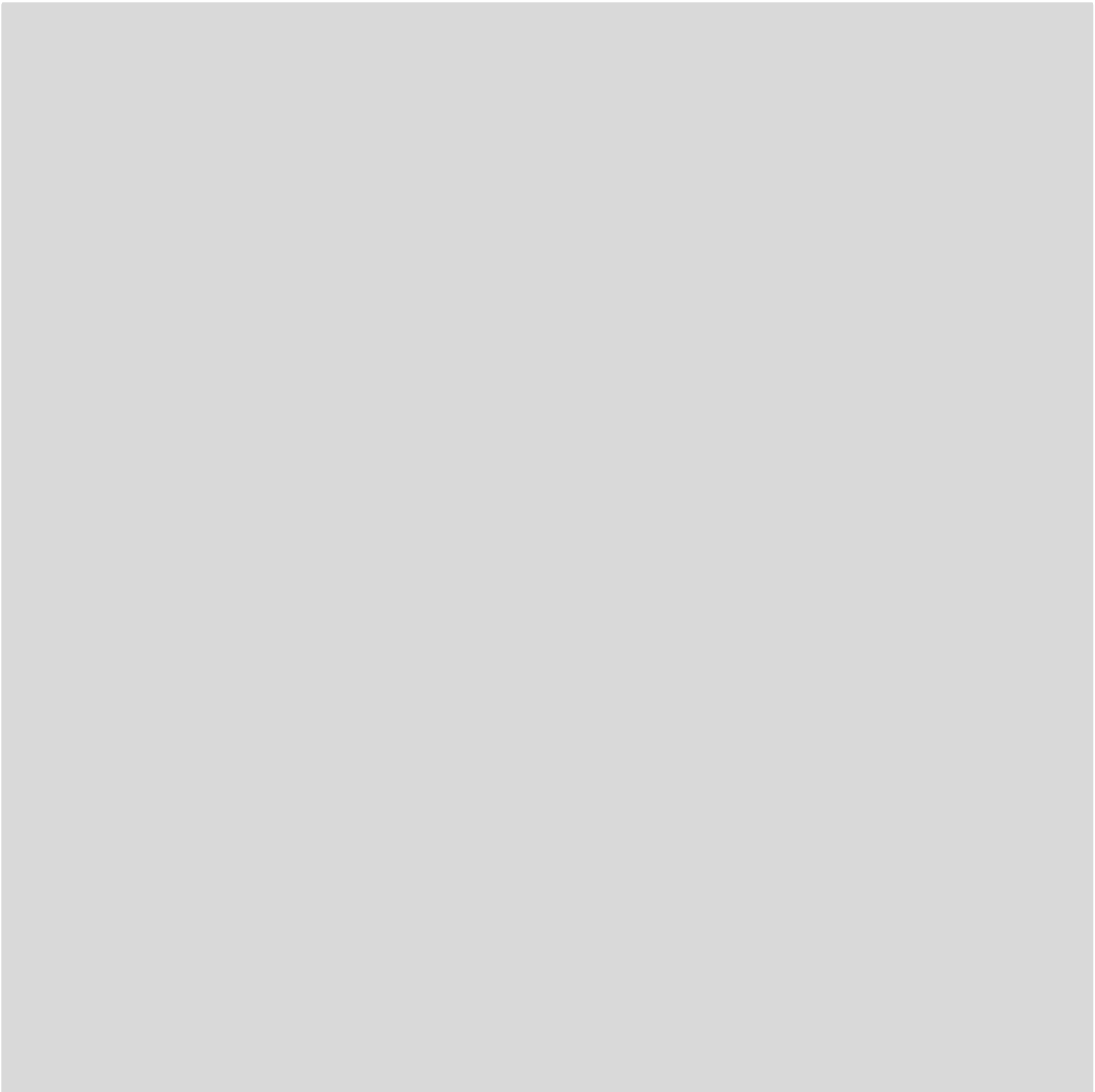
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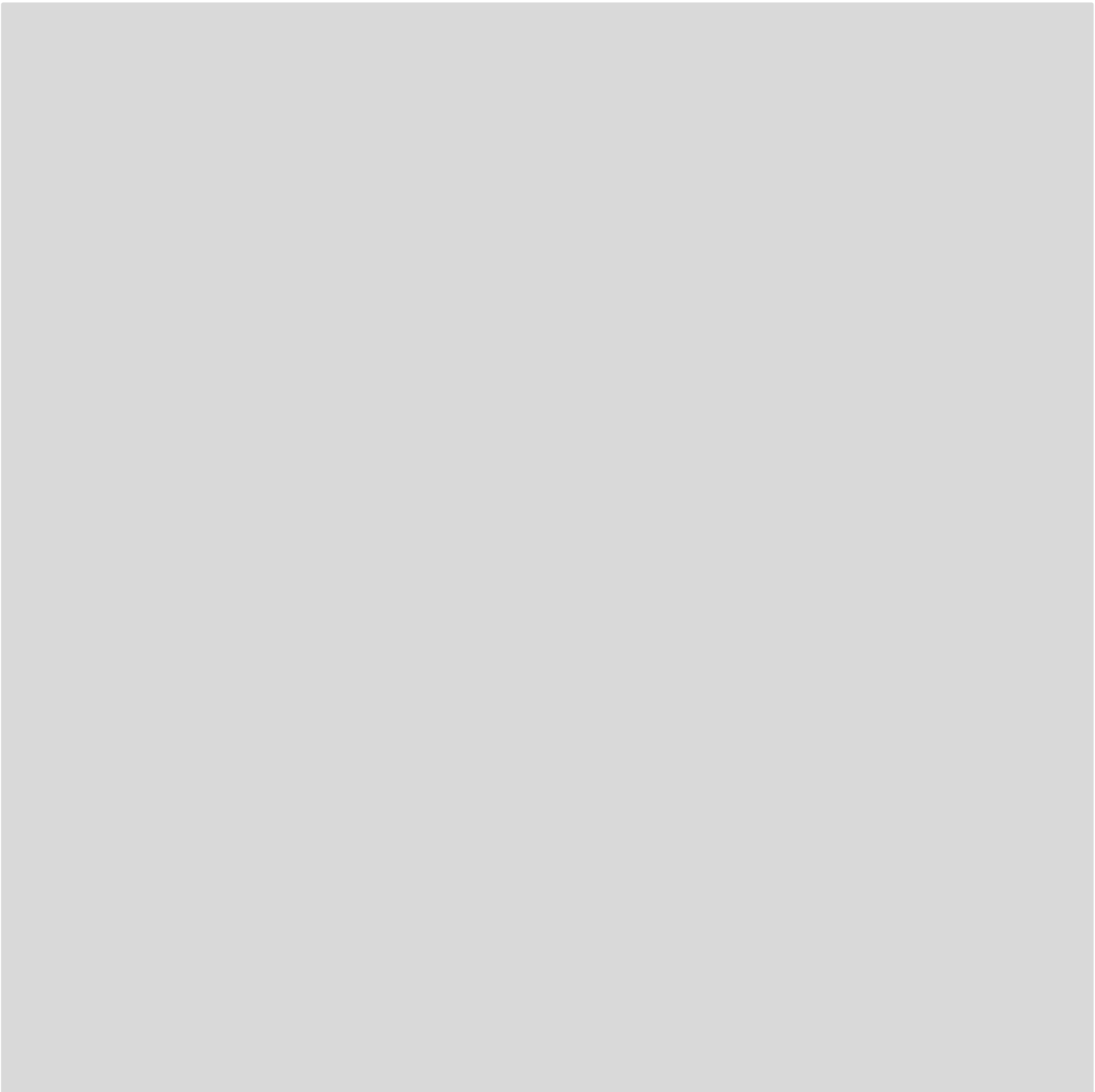
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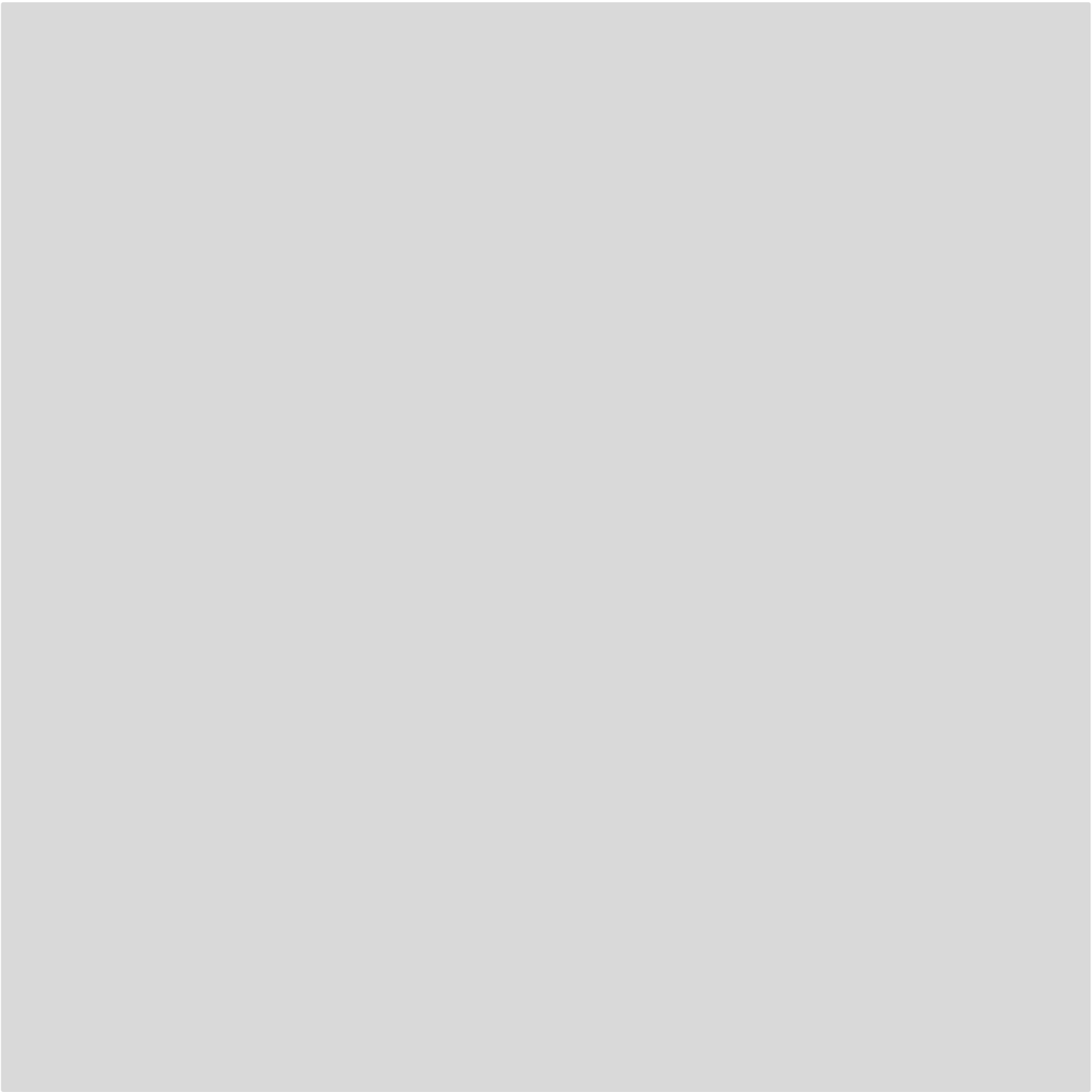
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2.2 EMERGENCY DETECTION, NOTIFICATION AND CONFIRMATION SYSTEMS

PRESENT AT FACILITIES	TYPE	DESCRIPTION
Y	24-Hour Emergency Telephone Number	A 24-hour emergency number is posted at all facilities and pipeline crossings. Any operator, landowner or citizen can call to notify Canadian Natural of an emergency situation. On-call Canadian Natural personnel will take appropriate actions to manage the emergency.
Y	SCADA System	Supervisory Control and Data Acquisition (SCADA) – Electronic monitoring equipment on wells throughout the gathering system will transmit signals to a central control panel. SCADA systems trigger alarm and call-out systems and may have ESD capabilities.
Y	Alarm and Call-out Process	System monitoring equipment throughout facilities will trigger an alarm to a call-out system to notify applicable operators.
Y	Aerial Surveillance	Pipelines may be surveyed on a regular basis to detect leaks.
Y	Landowner Complaint System	Landowners with concerns, or who have identified potential problems, can call the facility directly or the 24-hour emergency number.
Y	Operator Inspections	Operators do regular inspections of pipelines, wells and facilities and will report any abnormality they detect.
Y	24-Hour Manned Stations	Some Canadian Natural facilities are monitored 24 hours a day.
Y	H ₂ S Monitors – Continuous	Continuous H ₂ S monitoring equipment is strategically located at all sour facilities. Monitors are calibrated at regular intervals and are designed to activate a call-out procedure to operational personnel if H ₂ S levels are detected at the facility. If H ₂ S levels reach a predetermined level, the system is designed to activate the Emergency Shutdown (ESD) and shut down the facility.
Y	Gas Monitors – Handheld	Canadian Natural personnel are equipped with personal H ₂ S / LEL monitors for early detection.
Y	Gas Detection Equipment	Continuous Combustible Gas Detectors are located throughout the facility. The detectors alarm at 20% lower explosion limit (LEL). At 40% LEL, the detectors engage a facility shut down.
Y	Fire Detection Equipment	An ultraviolet fire detection system, “Fire Eyes,” may be installed throughout facilities.
Y	Leak Detection System	Continuous monitoring systems are installed on several pipeline systems, including but not limited to water injection, oil emulsion and ESD risers. These systems can be based on different methodologies such as pipeline or differential pressure, pressure rate of change (ROC), flow rate imbalance, ROW monitoring, etc.



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2.3 COMMUNICATIONS

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

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. If more portable radios are required, contact service providers listed in Contract Services – Communications Rental Equipment
Land Line	There are land lines at the facilities – see Section 2.1.1

2.3.2 RADIO FREQUENCIES

2.3.2.1 CNRL South District Road Channels

	RX Frequency	RX Tone	TX Frequency	RX Tone	Name

2.3.2.2 CNRL Road Frequencies

Ch. No	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N



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2.3.2.3 CNRL [redacted] Voice Communication Channels

	RX Frequency	RX Tone	TX Frequency	RX Tone	Name

2.3.2.4 SNRI VHF Mobiles - [redacted]

Ch. #	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N

2.3.2.5 SNRI UHF Portables - [redacted]

Ch. No	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N



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2.3.2.6 BC RR Channels

Ch. No	RX Frequency	TX Frequency	QT/DQT Dec	QT/DQT Enc	Channel Name	Power	W/N
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2.3.2.7 Channels

NAME	RECEIVE NUMBER	TRANSMIT NUMBER
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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



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plans will guide initial emergency response actions while long term spill containment and recovery activities will be performed by established spill response consultants / providers contracted and directed by Canadian Natural. A list of these providers can be found in Contract Services in Section 3.

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

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

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

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

SECTION 3: CONTACTS AND TELEPHONE LISTS

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3.2	MANDATORY NOTIFICATIONS (SEE EMERGENCY NOTIFICATION DETAILS CHART)..	2
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3.4	WATER INTAKE CLOSURE CONTACTS	3
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3.6	EMERGENCY SERVICE NUMBERS	5
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3.8	MUNICIPAL GOVERNMENT CONTACTS	6
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3.10	CONTRACT SERVICES.....	7
3.10.1	Air Quality Monitoring (Mobile).....	7
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3.10.8	Safety Services	10
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3.10.10	Well Blowout Control.....	10
3.10.11	Western Canadian Spill Services (WCSS) Coop “9” (BC).....	11
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3 CONTACTS AND TELEPHONE LISTS

3.1 COMPANY EMERGENCY CONTACTS

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



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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
		https://apps.cer-rec.gc.ca/ers	
	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:

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"> Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator in conjunction with EM Team) Environment Canada notified by EMCR 	Province-Wide	For all emergencies 24-Hour Incident Reporting * For E2 Emergency Reporting only: <i>Single Window Information Management (SWIM)</i> https://ec.ss.ec.gc.ca	1-800-663-3456
Health Emergency Management BC (HEMBC)	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"> Written notice (Schedule 8) made via SWIM * ASAP by Environmental Coordinator in conjunction with EM Team) Environment Canada notified by AER 	Province-Wide	For all emergencies 24-Hour Incident Reporting * For E2 Emergency Reporting only: <i>Single Window Information Management (SWIM)</i> https://ec.ss.ec.gc.ca	1-800-222-6514

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NAME	LOCATION	TELEPHONE
ALBERTA		
Alberta Health Services • ask for "Emergency Disaster Management" on call	Province-Wide	
RCMP	Province-Wide	9-1-1

3.3 ROAD CLOSURE CONTACTS

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

	ROAD TYPE	AGENCY	TELEPHONE	
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 **



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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
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)



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NAME	LOCATION	TELEPHONE	
ALBERTA			
Alberta Health Services <i>* ask for "Emergency Disaster Management" on call</i>	Province-Wide		
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			
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

3.6 EMERGENCY SERVICE NUMBERS

SERVICE	LOCATION	TELEPHONE NUMBER	
BRITISH COLUMBIA			
NOTE: 9-1-1 does not work for all of BC			
		24-Hour	9-1-1
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

ALBERTA		ALL EMERGENCY SERVICES CALL 9-1-1	
RCMP			
Hospital			
Ambulance			
Fire Department			



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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	

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 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>	24-Hour	1-819-997-7887 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 Ottawa, ON	24-Hour Toll Free	1 613 995-0479 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 British Columbia	1 855 852-8320 1 866 845-6776	



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NAME	LOCATION	CONTACT INFORMATION	
Health Canada - <i>For emergencies where First Nations and Indigenous reserves are within the EPZ</i> Department of Indigenous Services Canada, Environmental Public Health Services First Nations & Inuit Health Branch	BC – FNIH First Nations Health Authority		
	BC – EMBC (fanout)		
	AB - Environmental Health Officer (EHO)		
Indigenous Services Canada (ISC) Aboriginal Affairs & Northern Development Canada	Toronto Office	Toll Free	1-800-567-9604
NAV Canada – Flight Info Centre (FIC) <i>To issue a NOTAM, have ready (if possible):</i> - GPS coordinates, height, time frame	Nation wide	Toll Free Call Centre	1-866-992-7433
Transport Canada (TC) See Section 3.7 TDG / LPG – Initial Incident Reporting Contacts	Nation wide	General Inquiries	1 866 995-9737

3.10 CONTRACT SERVICES

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.1 AIR QUALITY MONITORING (MOBILE)			
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			
Epscan Communications	Dawson Creek, Fort St. John	Dawson Creek	250-782-4142
		Fort St. John	250-787-9659
Cardinal Telecom (2000) Inc	Chetwynd	Main	250-788-3271
Petron Communications	Fort St. John	Fort St. John	250-782-3333
T & T Communications	Fort St. John	Main	250-785-0310



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SERVICE AREA	COMPANY	TELEPHONE NUMBER
3.10.4 DRONE / UAV OPERATORS		
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	1 866 538-9936
Western Canada	Altius Drone Service	780 937-5864
Western Canada	Maverick Inspection Ltd.	780 467-1606

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.5 FRESH WATER HAULING			
Avalanche Trucking Ltd	Tumbler Ridge <i>- potable & fresh water</i>	24 hr dispatch	250-242-4774
K P A Oilfield Services	Chetwynd, Tumbler Ridge <i>- fresh water</i>	Main	250-788-6933
Northern Vac Services	Chetwynd, Dawson Creek, Fort Nelson, Fort St. John, Tumbler Ridge <i>- potable & fresh water</i>	24 hr dispatch	250-785-5435

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
Yellowhead Helicopters	Fort St. John, Hinton, Prince George	Main	1-888-566-4401



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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: ██████████	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: ██████████	24-Hour	1-877-342-3473
	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: ██████████	24-Hour	1-800-882-4967
	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: ██████████	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: ██████████	24-Hour	1-800-432-1809
	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		



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.8 SAFETY SERVICES			
	Dawson Creek, Fort St. John, Grande Prairie, Whitecourt	Grande Prairie	780-539-9004
Firemaster Oilfield Services Inc.	BC, AB, SK	24-Hour	1-877-342-3473
HSE Integrated Ltd.	BC, AB, SK	24-Hour	1-888-346-8260
Safety Boss Services	BC, AB	24-Hour	1-800-882-4967
Trojan Safety Services	BC, AB, SK	24-Hour FSJ	250 785-9557
		24-Hour GP	780 567-3440
		24-Hour Sylvan Lake	403 309-3025
United Safety Ltd.	BC, AB	24-Hour	1-800-432-1809

COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.9 SPILL RESPONSE SERVICES (INLAND)			
Clean Harbors	North America	24-Hour	1-800-645-8265
Gen7 Environmental Solutions	AB, SK	24-Hour	780-542-3676
Goodlands Environmental	MB, SK	Main	204-634-2245
		After Hrs	306-482-8151
North Shore Environmental Consultants	BC, AB, SK (small scale)	24-Hour	1-855-700-6732
QM Environmental	BC, AB, SK, MB	24-Hour	1-877-378-7745
Matrix Solutions Inc.	BC, AB, SK, MB	Main	1-877-774-5525
Roy Northern Land and Environment	BC, AB	Fairview	780-835-2682
		FSJ	250-261-6644
		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



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COMPANY	LOCATION	TELEPHONE NUMBER	
3.10.11 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "9" (BC)			
24-HOUR EMERGENCY CONTACT 1-866-541-8888			
<i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
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 Hr	250-262-3446
		Phone	250-919-7282
Co-op Custodian <i>Troyer Ventures Ltd</i>	Equipment Location 4850 – 46 Avenue Fort Nelson, BC V0C 1R0	24 Hr	250-774-5332

3.10.12 WESTERN CANADIAN SPILL SERVICES (WCSS) COOP "5" (AB)			
24-HOUR EMERGENCY CONTACT 1-866-541-8888			
<i>** Refer to Section 2 Emergency Equipment subsection for Canadian Natural spill response trailers **</i>			
Regional Custodian <i>Primary Contact:</i> ARC Resources Ltd. (Grande Prairie) Ron Toly Additional Contact: Sandra Miller	Equipment Location 9402 117 St Grande Prairie, AB	24 Hr	250-219-8180
		Sandra Miller	587-202-0637
Co-op Custodian <i>Primary Contact:</i> ARC Resources Ltd. (south of Grande Prairie) Additional Contact: Sandra Miller	Equipment Location Archie Warehouse 07-04-64-05 W6 Directions: From Grande Prairie: Departing from the intersection of 68 Avenue and 108 Street (Hwy 40), travel 78 km south, turn left onto Archieway Road and travel .25 km through Security. Turn right at first exit into Warehouse parking lot.	24 Hr	587-343-5824
		Sandra Miller	587-202-0637
Co-op Custodian <i>Primary Contact:</i> Pembina Pipelines Additional Contact: Dwayne Jones	Equipment Location Pembina Valleyview Pump Station 12-10-69-22-W5M Directions: 12 km south of Valleyview, on Highway 43.	24 Hr	780- 524-3938 (Main) **Goes to Edmonton after hours. Ask for foreman on call **
		Dwayne Phone	780-524-3392 ext. 2844
		Dwayne Cell	780- 524-8877
Co-op Custodian <i>Primary Contact:</i> PGI Processing ULC Michael Doerksen	Equipment Location Fox Creek – Energy Transfer Canada – Kaybob Amalgamated Gas Plant 14-01-62-20-W5 Directions: Turn south at the Petro Canada Station in Fox Creek. Travel 7 km. Enter south gate.	24 Hr	780 622-6274
		Office	780 622-6250
		Cell	780 622-7358



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Co-op Custodian <i>Primary Contact:</i> Avenge Energy Services Inc	Equipment Location #21 Cessna Road, Airport Industrial Park Westhill Peace River, AB T8S 1S1 Directions: From Peace River Town, head west on #2, turn right (north) on Range Road 223, then left (west) on Cessna Road	24 Hr	780 617-0555
Co-op Custodian <i>Primary Contact:</i> Silver Peak Services Martin Danny	Equipment Location Grande Cache – 97 Street & Hoppe Avenue Directions: Northbound on Hwy 40 (100 Street in town) turn right (east) on Hoppe Avenue. Travel 1 km to 97 Street, turn left (north). Sea-Can is 200 meters north on right (east) side of road.	24 Hr	780 827-4776
		Cell	780 827-8739

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

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4 PUBLIC NOTIFICATIONS

4.1 NOTIFICATION PROCEDURES

4.1.1 TELEPHONE CALLERS

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

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


4.1.2 AUTOMATED PUBLIC NOTIFICATION SYSTEM

Canadian Natural and Sukunka Natural use Everbridge, an automated public notification system for areas within the EPZ that involve too many residences for Canadian Natural personnel to notify in a timely manner. This system is activated through **Canadian Natural's 24 Hour Emergency Number 1-888-878-3700**.

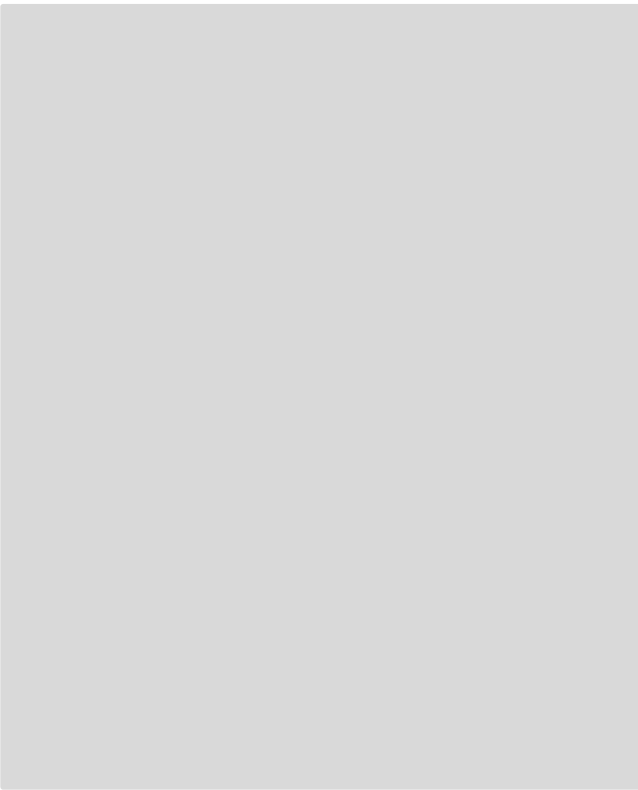
****IMPORTANT**

- *This system is used for both Canadian Natural North American operations and the Sukunka Natural - Pine River Gas Plant. Ensure to inform the dispatcher who is requesting the activation of the system*
- *Only the residents in the noted Insets in the ERP maps are included in the call out system. There may be other residents within the EPZ but outside the specified Inset that need to be contacted separately by an assigned Telephone Caller*
- *Residents within the Inset that have not provided a contact phone number will require dispatch of rovers for personal notifications.*

The following procedures will be used:

1. Prior to activating the call out system refer to the ERP map, draw the EPZ and identify:
 - a. The area/group within the EPZ to which you want to send the message:
 - 
 - b. The message to be relayed to the residents:
 - **Notification** – Level 1
 - **Shelter in Place** – Level 2 or 3
 - **Evacuation** – Level 2 or 3
 - **All Clear**
- * If giving the option of evacuation, provide the name and address of the **Reception Center** to be activated (see Section 4.2)

...continued on next page



4.1.2 AUTOMATED PUBLIC NOTIFICATION SYSTEM (continued)

- c. A contact number (as designated by Public Safety Supervisor) to provide to the dispatcher, for those residents who may require assistance.
 - d. An email address the dispatchers should send the final report to.
2. Call Canadian Natural's 24 Hour Emergency **1-888-878-3700**. Inform the dispatcher that you require the activation of Everbridge call out system. Dispatchers will activate the automated public notification as per their standard operating procedures.
 3. After the call-out, dispatchers will send the result report within 15 to 20 minutes, via e-mail. The report will include a summary of the contact name, delivery method, confirmation and the call result.
 4. Using the report, determine which residents did not confirm to have received the message, designate Telephone Caller for another attempt and have Rovers ready to dispatch.
 5. Once the emergency has been resolved, call 24 Hour Emergency dispatchers / or Telephone Callers to relay the All Clear message.

The following are the four (4) pre-recorded message choices that can be sent automatically by this system:

Notification – Level 1



* Press 1 to confirm receipt.

Shelter in Place – Level 2 or 3:



* Press 1 to confirm receipt.

Evacuation – Level 2 or 3:



* Press 1 to confirm receipt.

All Clear:



* Press 1 to confirm receipt.



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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	

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.



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- 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
Public roads up to mile 82 on Alaska Hwy	Notification only	BC Ministry of Transportation	See Section 3.3 Road Closure Contacts
Public roads from mile 82 north on Alaska Hwy	Notification only	BC Ministry of Transportation Highway Maintenance Contractor	See Section 3.3 Road Closure Contacts
Petroleum Development Roads	Dispatch roadblocks & notification only	BC Energy Regulator (BCER)	See Section 3.3 Road Closure Contacts
Forestry Roads	Dispatch roadblocks & notification only	Ministry of Forestry, Lands, Natural Resource Operations and Rural Development	Section 3.5 Provincial Government
Restricted Area	Fire Hazard (FH) Order	BC Energy Regulator (BCER)	Section 3.2 Mandatory Notifications
Restricted Area	Local State of Emergency	Peace River Regional District	Section 3.2 Mandatory Notifications
Navigable Water Courses	Closure	Peace River Regional District, RCMP / local police, local Search and Rescue	Section 3.6 Emergency Services
Railways	Closure	Transport Canada and Railway	Section 4.4.4 Isolating Railways
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

4.4.3 ARGO ROAD MAINTENANCE

Argo Road Maintenance is the primary highway maintenance contractor for the South Peace area, maintaining provincial highways in and around the EPZ including Highways [REDACTED]

If the emergency's EPZ extends across or restricts access and egress to provincial highways **contact immediately at Level 1** (to initiate their ERP / find & notify personnel)

24 HOUR EMERGENCY # 1-800-663-7623, ask for [REDACTED].

- Maintenance Operations: up to 7 days a week / 24 hrs a day, minimum of 2 people per shift
- [REDACTED]



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4.4.4 ISOLATING RAILWAYS – CN RAIL NOTIFICATION PROCEDURES

Early emergency notification at Level 1

CN Rail has one active rail subdivisions located in the EPZ:

_____ – used as required, primarily for hauling coal

This track runs through the EPZ between the locations listed below. It does not cross over any main roads only over a few lease roads that are marked with railroad crossing signs. There are no sub-mile mileage numbers at this time.

In an emergency where this railway may be impacted, call the 24 Hr Emergency # 1-800-465-9239 and:

- press option 1
- when prompted, ask for the Chief Dispatcher
- describe the emergency and location using the Subdivision name _____
- reference the sidings along the route
- ask the Chief Dispatcher to conference with the Train Master assigned to the area to determine:
 - if there are any trains in the area and
 - if there are any CN Rail personnel along the route

Siding(s)¹ along railroad that are located in EPZ:

Legal Location	Description	Status	Comments

¹ in rail terminology: a low-speed track section distinct from a running line or through route such as a main line or branch line or spur. It may connect to through track or to other sidings at either end

4.4.5 _____

4.4.6 _____



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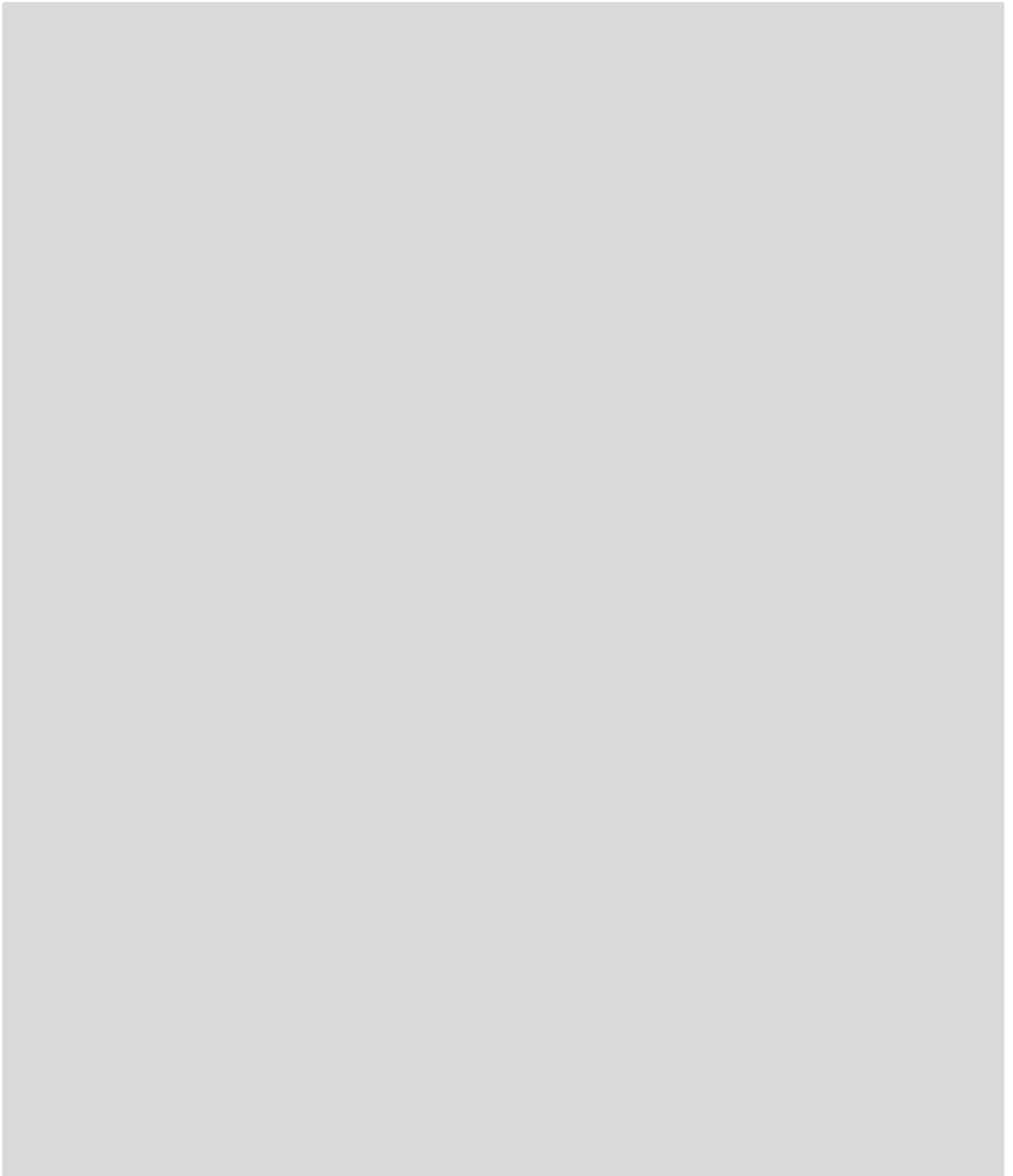
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4.4.7





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REGISTERED AREA	NAME	ADDRESS	TELEPHONE NUMBER



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LOCAL INDIGENOUS NATION / BAND			
NAME	CONTACT	TELEPHONE NUMBER	DESCRIPTION



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5 GATHERING SYSTEM INFORMATION

5.1 FACILITY, PIPELINE AND WELL INFORMATION

5.1.1 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						



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5.2 FACILITY INFORMATION

5.2.1 FACILITY SUMMARIES

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

Facility Name	
Facility Type	
Facility Code	
Legal Description	
Facility License Number	
Facility Description	

5.2.2 EMERGENCY CONTROL SYSTEMS

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



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5.2.4 PIPELINE RELEASE VOLUMES AND EMERGENCY PLANNING ZONES

5.2.4.1 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)
															100
															980
															980
															0
															100
															100
															980

5.2.5 WELL RELEASE RATES AND EMERGENCY PLANNING ZONES

NOTES: • No well information required for this plan



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6 MAPS & PUBLIC INFORMATION PACKAGE

6.1 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

6.2 SITE SPECIFIC ERP MAPS

Area maps showing the gathering systems, 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 Zones (EPZs) and the surrounding areas are included within this section.

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

The following ERP maps can be found after this section, in this order:

