



Plan

Alberta Mainline Operating Area Emergency Response

EM-PLAN-0004

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2018-06-14

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1.0 Purpose

This Area specific Emergency Response Plan (ERP) provides the specific information relevant to locations and facilities within this operating area and is a complement document to the Alliance Pipeline Emergency Response Plan. The area plan(s) describes:

- Pipeline and facility characteristics
- Emergency Official contact information
- Facility Locations
- Emergency Response equipment

The Plan is part of the Emergency Management Program and is aligned with Alliance Pipeline's Integrated Management System (AIMS). It is planned, implemented, validated and reviewed by management.

2.0 Scope

The Alliance Emergency Management Program (of which this document falls under) is intended to prepare for an emergency, respond to and mitigate conditions during an emergency and recover from an emergency that could adversely affect the safety of the public, the workers, property, or the environment.

This plan applies to all Alliance Employee-Partners (contractors are specifically excluded as having a role during the Emergency activation and initial response phases of an event), and all of Alliance's operations in Canada and the United States as they relate to the preparation/mitigation, activation, and response phases in an emergency.

The scope of the Emergency Management area plan(s) include all of Alliance's above and underground pipeline assets and facilities.

3.0 Roles and Responsibilities

3.1 Document Owner

The Emergency Management Coordinator owns the Alberta Mainline Operating Area Plan and is accountable for:

- Ensuring that the plan is designed for its purpose and meets its desired objectives and legal requirements;
- Ensuring appropriate engagement of stakeholders who support/participate as part of the plan; and
- Approves changes to this plan and its related documentation

3.2 Additional Roles

The Area Manager for Alberta Mainline Operating Area and the area administrative assistant are responsible for ensuring content is accurate.

3.3 Document Review Frequency

The review cycle for this process document is not to exceed 15 months

4.0 Alberta Mainline Operating Area

4.1 Area Overview

The Alberta Mainline operating area starts at KP 272.37 near Fox Creek, AB and proceeds to Mainline KP 835.95 at the Alberta/Saskatchewan border, including lateral tie-in points. The first 65.97 km (from Mainline KP 272.37 to KP 338.34) is 42" mainline pipe with the remainder being 36" pipe. The mainline pipe has the following specifications:

- Diameter 1067 mm (42") & 914 mm (36")
- Operating Pressure 8274 kPa (1200 psi) & 12 000 kPa (1740 psi)
- Thickness 0.621" (14.275 mm)
- Rich Gas System Up to 44.2 MJH/m³ (up to 1188 btu/cf)

The Alberta Mainline Area has the following compressor stations:

- 3A - Windfall Compressor Station, Windfall, AB
- AB47 - Carson Creek Compressor Station, AB(set for de-activation Summer 2018)
- AB48 - Whitecourt Compressor Station, AB
- 5A - Morinville Compressor Station, Morinville, AB
- 7A - Irma Compressor Station, Irma, AB

Alliance's Alberta Mainline Area includes the following counties/municipalities:

- **MD of Greenview No. 16: Fox Creek Lateral, Kaybob Lateral, Two Creeks Lateral and Mainline KP 295.19 to KP 333.69**
- **Woodlands County: Two Creeks Lateral, West Whitecourt Lateral, Kaybob North Lateral, Edson Lateral, Carson Creek Lateral, Whitecourt Lateral and Mainline KP 333.69 to KP 405.22**
- **Yellowhead County: Kaybob South Lateral and Edson Lateral**
- **Lac Ste. Anne County:** Paddle River Lateral and Mainline KP 405.22 to KP 495.21 and KP 498.64 to KP 499.35
- **County of Barrhead No. 11:** Mainline KP 495.21 to KP 498.64
- **Sturgeon County:** Mainline KP 499.35 to KP 560.70. **NOTE: From Mainline KP 500.8 to KP 510.7 is Alexander First Nation Land**
- **City of Fort Saskatchewan:** Fort Saskatchewan Lateral and Mainline KP 560.70 to KP 563.83
- **Strathcona County:** Mainline KP 563.83 to KP 578.46
- **Lamont County:** Mainline KP 578.46 to KP 630.90
- **County of Minburn No. 27:** Mainline KP 630.90 to KP 670.86 and KP 684.21 to KP 685.84
- **Beaver County:** Mainline KP 670.86 to KP 684.21 and KP 685.84 to KP 703.34
- **MD of Wainwright No. 61:** Mainline KP 703.34 to KP 807.33
- **MD of Provost No. 52:** Mainline KP 807.33 to KP 835.95

4.2 First Responders¹

First Responder	Location	24-Hour Emergency #	Admin Number
Ambulances			
Lac Ste Anne County	Parkland County, AB	911	780-785-3411
County of Barrhead No. 11	Parkland County, AB	911	780-674-3331
Sturgeon County	Parkland County, AB	911	780-939-4321 or 780-498-9847 24hr.
City of Fort Saskatchewan	Sherwood Park, AB	911	780-467-5216
Strathcona County	Sherwood Park, AB	911	780-467-5216
Lamont County	Sherwood Park, AB	911	780-467-5216
County of Minburn No. 27	Sherwood Park, AB	911	780-467-5216
	Wainwright, AB	911	780-842-4454
Beaver County	Sherwood Park, AB	911	780-467-5216
MD of Wainwright No. 61	Wainwright, AB	911	780-842-4454
MD of Provost No. 52	Wainwright, AB	911	780-842-2434
STARS Air Ambulance, Emergency Line Centre If using a cellular - Alberta	Alberta If using a cellular	1-888-888-4567 #4567 or *4567 ²	
	Morinville Site ID Number	1617	
	Irma Site ID Number	21	
	Windfall Site ID Number	1626	
Fire Departments			
Lac Ste Anne County	Parkland County, AB	911	780-968-8400
County of Barrhead No. 11	Parkland County, AB	911	780-968-8400
Sturgeon County	Parkland County, AB	911	780-968-8400
City of Fort Saskatchewan	Sherwood Park, AB	911	780-467-5216
Strathcona County	Sherwood Park, AB	911	780-467-5216
Lamont County	Sherwood Park, AB	911	780-467-5216
County of Minburn No. 27	Sherwood Park, AB	911	780-467-5216
	Wainwright, AB	911	780-842-3381

¹ If you dial 911, you will reach the emergency operator only for the area from which you are dialling.

² #4567 is only available from Telus Mobility or Rogers Wireless. Bell Mobility customers must use the toll-free number.

First Responder	Location	24-Hour Emergency #	Admin Number
County of Beaver No. 9	Sherwood Park, AB	911	780-467-5216
MD of Wainwright No. 61	Wainwright, AB	911	780-842-3381
MD of Provost No. 52	Wainwright, AB	911	780-842-3381
Police Departments			
Lac Ste Anne County RCMP	Mayerthorpe, AB	911	780-786-2800
County of Barrhead No. 11 RCMP	Barrhead, AB	911	780-674-4848
Parkland County RCMP ³	Stony Plain, AB	911	780-963-2217
Sturgeon County RCMP	Morinville, AB	911	780-939-4520
City of Fort Saskatchewan	Fort Saskatchewan, AB	911	780-992-6100
Strathcona County RCMP	Fort Saskatchewan, AB	911	780-467-7749
	Sherwood Park, AB	911	780-467-7749
Lamont County RCMP	Fort Saskatchewan, AB	911	780-467-7749
	Vegreville, AB	911	780-632-2155
	Sherwood Park, AB		780-467-5216
County of Minburn No. 27 RCMP	Vegreville, AB	911	780-632-2155
County of Beaver No. 9 RCMP	Tofield, AB	911	780-662-3353
MD of Wainwright No. 61 RCMP	Wainwright, AB	911	780-842-4463
MD of Provost No. 52 RCMP	Provost, AB	911	780-753-2214
Northern Alberta OCC RCMP	Edmonton, AB	911	780-412-5300

District	Location	24-Hour Emergency #	Office #
MD of Greenview No. 16	Fox Creek, AB	911	780-538-0401 (Ambulance) 780-538-0390 (Fire) 780-622-3740 (RCMP)
Woodlands County	Parkland County, AB	911	780-723-3137 (Ambulance) 780-778-2311 (Fire) 780-778-5454 (RCMP)
Yellowhead County	Edson, AB	911	780-723-3137 (Ambulance/Fire) 780-723-8800 (RCMP)
Lac Ste Anne County	Parkland County, AB	911	780-786-2800
Northern Alberta OCC RCMP	Edmonton, AB	911	780-412-5300

³ The pipeline does not pass through Parkland County; however, because of proximity, the Stony Plain RCMP has been included.

District	Location	24-Hour Emergency #	Office #
STARS Air Ambulance	Alberta From cellphone ⁴	1-888-888-4567 #4567 or *4567	1-888-888-4567
	Windfall Site ID Number	1626	

4.3 Area Contacts

Main	On-Call Pager/Phone	Fax	Additional
780-706-4180	N/A	780-939-6534	Two voice lines and video conferencing are available.

Consult the Emergency Contacts – Internal (<http://corpdm/getdoc/967186>) for APL Employee Partner contact info including cell and satellite numbers.

4.4 Windfall Compressor Station 3A

Main	Fax	Additional
[REDACTED]	[REDACTED]	Three voice lines are available.

Windfall Compressor Station 3A is located at Mainline KP 338.41 [REDACTED]. The 42" mainline terminates at the Compressor Station and the 36" mainline begins. The 6" Two Creeks lateral line and the 24" Edson lateral line tie-in at the Compressor Station.

The compressor facility is a triple unit station. There are 13 buildings located within the Compressor Station fenced area. There is a motor control centre (MCC)/control building, a utility building, three compressor buildings, three local control module buildings, three fuel gas buildings, Warehouse and a shop. There is also an office on site for APL operations personnel. Additionally the site contains a 14MW NR Green waste heat generating station. The mainline enters at the southwest corner of the facility and exits at the southeast corner. The station blowdown and relief valves are located in the southeast corner of the facility.

For pigging purposes, CS 3A has the following receivers and launchers:

6" receiver for the Two Creeks lateral

24" receiver for the Edson lateral

42" Receiver for the mainline pipe

36" launcher for the mainline pipe

GPS Coordinates for Windfall Compressor:

NW Corner: [REDACTED]
[REDACTED]

STARS Site # for Windfall Compressor Station:

1626

⁴ #4567 is only available from Telus Mobility or Rogers Wireless. Bell Mobility customers must use the toll-free number.

4.5 Carson Creek Compressor Station AB47

Main	Fax
[REDACTED]	[REDACTED]

Carson Creek Compressor Station AB47 is located at LS 16-15-61-12 W5M. The Compressor Station is an unmanned, double unit station. There are 5 buildings located within the compressor station fenced area: two compressor buildings, a control building, a utility building, and a measurement building. There is also a 3-sided oil storage shelter and an aboveground liquid dump tank on site. The tie-in consists of a small fenced valve yard with valve shut off wheel, and a blowdown point.

GPS Coordinates for Carson Creek Compressor:

NW Corner: [REDACTED]
[REDACTED]

4.6 Whitecourt Compressor Station AB48

Main	Fax
[REDACTED]	[REDACTED]

Whitecourt Compressor Station AB48 is located at [REDACTED]. The Compressor Station is an unmanned, double unit station. There are 5 buildings located within the compressor station fenced area: two compressor buildings, a control building, a utility building, and a measurement building. There is also an aboveground liquid dump tank on site. The tie-in consists of a small fenced valve yard with valve shut off wheel, and a blowdown point.

GPS Coordinates for Whitecourt Compressor:

NW Corner: [REDACTED]
[REDACTED]

4.7 Morinville Compressor Station 5A

Main	Fax	Additional
[REDACTED]	[REDACTED]	Five voice lines are available.

Compressor Station 5A is located at Mainline KP 531.19 [REDACTED]. The Compressor Station is a single unit/dual stage compressor. There are five buildings located within the Compressor Station fenced area: a station control building and the utility building which are joined, a fuel gas building, a compressor building, Cold storage and a shop. The mainline enters at the southwest corner of the facility and exits at the southeast corner. The south end of the facility has a station blowdown.

GPS Coordinates for Morinville Compressor:

NW Corner: [REDACTED]
[REDACTED]

STARS Site # for Morinville Compressor Station:

1617

4.8 Irma Compressor Station 7A

Main	Fax	Additional
[REDACTED]	[REDACTED]	Two voice lines are available.

Compressor Station 7A is located at Mainline KP 721.45 [REDACTED]. The Compressor Station is a Single unit/dual stage compressor. There are four buildings located within the compressor station fenced area: a station control building and the utility building which are joined, a maintenance shop, a fuel gas building and a compressor building. There is also a barrel storage unit on site. The mainline enters at the northwest corner of the facility and exits at the southwest corner. The south end of the facility has a station blowdown.

36" Pig Receiver

36" Pig Launcher

GPS Coordinates for Irma Compressor:

NW corner: [REDACTED]
[REDACTED]

STARS Site # for Irma Compressor Station: 21

4.9 Paddle River Compressor Station AB49 (Decommissioned)

The Paddle River station has been decommissioned and demolished as of September 1, 2013. The only above ground facilities remaining on the site are the Paddle River lateral Piggings skid launcher and the interconnect line from the plant. Both of these lines have been completely purged of Natural gas and currently have a Nitrogen blanket of 20PSI each. The facility will continue to be monitored by the area for environmental impacts from weeds etc. as well as monitoring the blanket pressure on the above mentioned lines for integrity reasons.

GPS Coordinates for Paddle River Compressor:

NW corner: [REDACTED]
[REDACTED]

4.10 Customer owned facilities- Station Overview

AB43 McLeod river meter site is owned, operated, and maintained by [REDACTED] and as such any emergency in or originating from the facility will be [REDACTED] responsibility. Alliance Pipeline is sole owner, operator, and maintainer of the side valve facility and as such, is fully responsible for any emergency response within or originating from this facility. In view of Alliance Pipeline's limited access and responsibility at this facility, it is anticipated that [REDACTED] will be fully responsible for any emergency response in the absence of the mutual aid agreement.

AB50 is owned and operated by [REDACTED]. Alliance Pipeline supplies maintenance as contract support for this facility and as such all emergency response within or originating from the facility is responsibility of [REDACTED].

Alliance Pipeline is sole owner for side valve facilities and as such, fully responsible for any emergency response within or originating from this facility.

AB39 is owned, operated and maintained by [REDACTED] and as such any emergency in or originating from the facility will be [REDACTED] responsibility. In view of Alliance Pipeline's limited access and responsibility at this facility, it is anticipated that [REDACTED] will be fully responsible for any emergency response in the absence of the mutual aid agreement. Alliance Pipeline is sole owner for side valve facilities and as such, fully responsible for any emergency response within or originating from these facilities

AB63 is owned, operated and maintained by [REDACTED] and as such any emergency in or originating from the facility will be [REDACTED] responsibility. In view of Alliance Pipeline's limited access and responsibility at this facility, it is anticipated that [REDACTED] will be fully responsible for any emergency response in the absence of the mutual aid agreement. Alliance Pipeline is sole owner for side valve facilities and as such, fully responsible for any emergency response within or originating from these facilities

AB64 is owned, operated and maintained by [REDACTED] and as such any emergency in or originating from the facility will be [REDACTED] responsibility. In view of Alliance Pipeline's limited access and responsibility at this facility, it is anticipated that [REDACTED] will be fully responsible for any emergency response in the absence of the mutual aid agreement. Alliance Pipeline is sole owner for side valve facilities and as such, fully responsible for any emergency response within or originating from these facilities

4.11 Waste Heat Facilities Overview

NRGreen Power's Chickadee creek waste heat facilities are operated by Alliance Pipeline. The cyclo-pentane and thermal oil are closed loop systems. Leaks and low levels detected by our sensors will cause an alarm to be sent to the HMI and Gas Control. In the unlikely event of an undetected leak, our current site containment will prevent any liquids from exiting the site as the system is within our site perimeter. The system is sloped towards our current drainage ditch which runs inside our fence. This ditch directs all run-offs into the on-site retention pond. The on-site retention will contain the entire volume of both the pentane and thermal oil systems.

This project will have cyclo-pentane gas monitors placed at strategic points where a cyclo-pentane leak may occur. Should any of these monitors detect a leak; the system can shut down immediately. Leak detection information will be monitored from both the compressor station as well as Gas Control in Calgary. The waste heat system can be shut down manually on site or remotely by an operator or Gas Control, if required. The EPZ for waste heat is 800 m.

4.12 Fort Saskatchewan Meter Station Overview

The Ft Saskatchewan facility receives natural gas liquid products from various producers in the Ft Saskatchewan area. The product arrives via 4 different interconnecting pipelines and it is either pumped or diverted into a common header, which connects into the Ft Saskatchewan lateral pipeline (10 inch), taking it into the Alliance mainline.

1. AB52 received liquid product from [REDACTED]. The product is metered on site and diverted into the common header and enters the Ft Saskatchewan lateral.
2. AB53 is an offsite metering facility and the liquid product arrives into the Ft. Saskatchewan facility from [REDACTED]. It then passes through a pigging launcher skid and into the Ft Saskatchewan lateral.

3. AB55 received product from either [REDACTED] This product is metered then pumped by Pump 300 and/or pump 350 into the Ft Saskatchewan lateral.

A release of High Vapor Pressure Liquid (HVP) can be a very dangerous situation. The vapor “plume” may look like a thin fog with a slight “propane” smell. The vapor is heavier than air and can follow ditches or trenches for hundreds of meters to an ignition source. With the prevailing west winds at this site a plume would most likely flow to the main access road.

It is important to note that a large percentage of massive pipeline releases ignite simply from the energy of the initial release event. If it does not ignite immediately, an ignition source (e.g., a vehicle) within the area between the upper and lower flammable limits of the gas has will ignite the cloud.

It is recommended that, during the time of a breach, individuals at the Fort Saskatchewan Meter Station egress the site or, if not able to do so, to seek shelter. Additionally, if an operator was responding to an alarm, then he/she should park the vehicle at a safe distance away, based on his/her assessment of the incident and cautiously approach the station wearing personal protective equipment and gas monitoring equipment.

Employee-partners responding to an emergency at the Fort Saskatchewan Meter Station should keep the following in mind:

- DO NOT IGNITE THE VAPOUR CLOUD
- Depressurize piping to flare via ESD pushbutton if release uncontrollable and facility has not ESD'd automatically.
- If there is a high gas concentration (20% LEL) detected in the pump building the PLC program will initiate the exhaust fans to start, therefore ventilating the building.
- If there is a Hi Hi gas concentration (40% LEL) detected in the pump building the PLC program will initiate a station ESD which will shut down pumps P300 and P350, close valves ESDV100/200/380, and open valves BDV381/382/383 which evacuates all product within the ESDV valves to the flare system. Request assistance with isolation from Gas Control as required.
- Request Gas Control contact CSO to isolate flow, including closing of their manual valves upstream of our facility.
- Strobe on site indicates an alarm condition is present.
- Sample inside building for LEL and O2 levels before entering through the access port in the main doors.
- If safe to do so, enter pump building.
- Look for frosted pipes or pools of liquid.
- Average gas inlet pressure 1400 psi, although this value is variable

4.13 Common Stream Operators (CSO) (AB36 to AB-64)

Lateral	Producer	Facility	24-Hour Emergency
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

AB36- is owned, operated, monitored and maintained solely by Alliance Pipeline Ltd. Alliance pipeline is responsible for any emergency response at this fa

Lateral	Producer	Facility	24-Hour Emergency
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

4.14 Common Stream Operators (CSO) AB52- AB55)

Lateral	Producer	Facility	Site Phone/Fax	24-Hour Emergency
[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]

4.15 Local External Contacts

4.15.1 Alberta Local Authorities

Organization	Location	Daytime	24-Hour
MD of Greenview No. 16	Valleyview	1-866-524-7608	780-524-7600
Woodlands County	Whitecourt	-	780-778-8400 1-888-870-6315
Yellowhead County	Edson	780-723-4800 1-800-665-6030	780-723-3137
Lac Ste. Anne County	Sangudo	780-785-3411 1-866-880-5722	-
Barrhead County	Barrhead	780-674-3331	-
Sturgeon County	Morinville, AB	780-939-4321	780-498-9847
Strathcona County	Sherwood Park, AB	780-464-8111	-
City of Fort Saskatchewan	Fort Saskatchewan, AB	780-992-6200	-
Lamont County	Lamont, AB	780-895-2233	-

Organization	Location	Daytime	24-Hour
County of Minburn No. 27	Vegreville, AB	780-632-2082	-
Beaver County	Ryley, AB	780-663-3730	-
MD of Wainwright No. 61	Wainwright, AB	780-842-4454	-
MD of Provost No. 52	Provost, AB	780-753-2434	-

4.15.2 Wildfires

The AM Mainline (formerly Whitecourt operating area) is part of the Woodlands SRD Management Area in Alberta, which has specific guidelines for reporting a wildfire in the area:

1. If you detect a wildfire, immediately contact the nearest SRD office and company personnel. Dial 310-FIRE (3473).
2. When reporting a wildfire use the current Wildfire Reporting Form: <http://srd.alberta.ca/Wildfire/documents/310-Fire-ReportForm.pdf>
3. If safe to do so, take immediate suppression action. Use as many local resources reasonably and lawfully available to the company as required to contain the fire.

4.15.3 Alexander First Nation

Name	Position	Daytime
	Main Office Number	
	Director Health Services Emergency Response Team Lead	
	Industrial Relations Corp, aka IRC	
	Chief, Alexander	
	Elders Lodge	

NOTE: Land, ROW & Corridor Management has established relationships with Aboriginal groups and should be the point of contact for Alliance. Consult the Liaison representative in the Land, Right of way, and corridor department before contacting the First Nation community.

4.16 Edmonton Area Pipeline and Utility Operators Committee (EAPUOC)

Alliance is not a member of any mutual aid groups in the Alberta Mainline area, other than the EAPUOC. The primary rationale for Alliance's association with EAPUOC is to develop and maintain industry contacts. EAPUOC has an IVR (Interactive Voice Response) system—a web-based "fan-out" system that member companies can use to distribute messages to each other, ranging from operations messages (e.g., work in the Edmonton area that might result in odor complaints) to actual emergencies.

Edmonton Area Pipeline and Utility Operators Committee (24 hours): [REDACTED]

4.17 Mainline Block Valves

There are 18 Alberta area mainline block valves located approximately 35 km (20 miles) apart. Each valve will automatically close if there is a pressure reduction. A Supervisory Control and Data Acquisition (SCADA) system monitored by Alliance’s Gas Control can close the valves remotely.

The mainline block valves located within the Alberta Mainline Area are listed on the following table. The map section of this plan contains a map for each block valve showing directions to the appropriate valve.

Table 1: Alberta Mainline Area Mainline Block Valves

Valve Station Number	Valve Number	KP	LS	GPS	
				Lat	Long
MLV #2-4	M002-MBV-1040	303.64	[REDACTED]	[REDACTED]	[REDACTED]
WindfallMLV #3A	M003-MBV-1000	338.4	[REDACTED]	[REDACTED]	[REDACTED]
MLV #3-1	M003-MBV-1010	367.96	[REDACTED]	[REDACTED]	[REDACTED]
MLV #3-2	M003-MBV-1020	397.62	[REDACTED]	[REDACTED]	[REDACTED]
SangudoMLV #4B	M004-MBV-1000	432.49	[REDACTED]	[REDACTED]	[REDACTED]
MLV #4-1	M004-MBV-1010	467.79	[REDACTED]	[REDACTED]	[REDACTED]
MLV #4-2	M004-MBV-1020	503.39	[REDACTED]	[REDACTED]	[REDACTED]
MorinvilleMLV #5A	M005-MBV-1000	531.19	[REDACTED]	[REDACTED]	[REDACTED]
MLV #5-1	M005-MBV-1010	552.12	[REDACTED]	[REDACTED]	[REDACTED]
MLV #5-2	M005-MBV-1020	571.75	[REDACTED]	[REDACTED]	[REDACTED]
MLV #5-3	M005-MBV-1030	590.90	[REDACTED]	[REDACTED]	[REDACTED]
MundareMLV #6B	M006-MBV-1000	623.45	[REDACTED]	[REDACTED]	[REDACTED]
MLV #6-1	M006-MBV-1010	655.8	[REDACTED]	[REDACTED]	[REDACTED]
MLV #6-2	M006-MBV-1020	688.55	[REDACTED]	[REDACTED]	[REDACTED]
Irma MLV #7A	M007-MBV-1000	721.45	[REDACTED]	[REDACTED]	[REDACTED]
MLV #7-1	M007-MBV-1010	754.28	[REDACTED]	[REDACTED]	[REDACTED]
MLV #7-2	M007-MBV-1020	788.18	[REDACTED]	[REDACTED]	[REDACTED]
Provost MLV #8B	M008-MBV-1000	818.15	[REDACTED]	[REDACTED]	[REDACTED]

4.18 Lateral Tie-In Valves

There are lateral tie-in valves located within the Alberta Mainline Area. The map section of this plan contains maps for lateral tie-in points showing directions to the appropriate valve.

Table 2: Alberta Mainline Lateral Tie-In Valves

Lateral Station Number	KP	LS	GPS	
			Lat	Long
LTV #FSA (Fort Saskatchewan)	561.14	[REDACTED]	[REDACTED]	[REDACTED]
LTV #BGS (Bigstone)	272.39	[REDACTED]	[REDACTED]	[REDACTED]
LTV #KYB (Kaybob)	295.20	[REDACTED]	[REDACTED]	[REDACTED]
LTV #FXC (Fox Creek)	295.20	[REDACTED]	[REDACTED]	[REDACTED]
LBV #EDA-1	22.37 on Edson A lateral	[REDACTED]	[REDACTED]	[REDACTED]

Lateral Station Number	KP	LS	GPS	
			Lat	Long
LBV #EDA-2	40.508 on Edson B lateral	[REDACTED]	[REDACTED]	[REDACTED]
LBV #EDB-3	73.866 on Edson B lateral	[REDACTED]	[REDACTED]	[REDACTED]
LBV #EDB-4	101.670 on Edson Lateral at AB44	[REDACTED]	[REDACTED]	[REDACTED]
LTV #TWC (Two Creeks)	338.34	[REDACTED]	[REDACTED]	[REDACTED]
LTV #CRC (Carson Creek)	375.23	[REDACTED]	[REDACTED]	[REDACTED]
LTV #WTC (Whitecourt)	386.33	[REDACTED]	[REDACTED]	[REDACTED]
LTV #PDR (Paddle River)	422.16	[REDACTED]	[REDACTED]	[REDACTED]
Ab-63 Heavy Sound	303.194	[REDACTED]	[REDACTED]	[REDACTED]
AB-64 Silver Creek	22.354 Edson A Lateral	[REDACTED]	[REDACTED]	[REDACTED]
AB-39 Grizzly Junction	12.538 Kaybob North Lateral	[REDACTED]	[REDACTED]	[REDACTED]

4.19 Environmental Considerations

The Alberta Mainline operating area includes native and disturbed Dry Mixedwood, Central Mixedwood and Central Parkland forest between Fox Creek and Vegreville. Significant environmental features include the Athabasca, North Saskatchewan, Sakwatamau, Pembina and Sturgeon river valleys and the key wildlife habitats that these valleys typically provide.

The environmentally sensitive areas identified by Alliance are available from our Environmental department in Calgary or Eden Prairie to ensure that the environment is considered when the field team develops an action plan. If an incident occurs in an environmentally sensitive area or has the potential to cause adverse environmental effects, the Incident Commander will contact the Planning Section Coordinator.

4.20 Emergency Response Equipment –Field Deployment

The following equipment is readily available for an emergency and is either in each vehicle intended for use in an emergency or in office/facility locations. The Area Manager is responsible for ensuring that all supplies and equipment are stocked, replenished, current, complete and ready for emergency response.

Response Vehicles – Tools and Equipment:

- Phone - Cellular
- Phone - Satellite
- iPad (Emergency Response App)
- Laptop Computer (GIS & Mapping Apps)
- PPE – (Hard hat, safety glasses, FRC, gloves, reflective vests and steel toe boots)
- Proper Ear/Hearing Protection for the task (i.e. venting)
- Company ID
- Quick Guides/ICS Forms, note pad, and pencil/pens
- Alliance “A” Key
- First Aid Kit
- Fire Extinguisher
- Caution Tape
- Vehicle triangles, warning lights, and/or road flares
- Vehicle flashing amber light (beacon)
- Flash Light
- Misc. hand tools (capable of removing bleed plugs)
- Binoculars

Station Available – Tools and Equipment:

- Gas Detector
- Closure Hub (Yale) and/or Flange removal tools (if not already provided for at valve sites)
- Line Locator/Prod Rod/Flags
- Pressure gauge (crystal)

Optional/Where Necessary – Tools and Equipment:

- Gas Detector
- Jump Start battery pack.
- Road Call Radio

4.21 Area Office Fire & Evacuation

4.21.1 If you discover a fire:

- Rescue anyone in immediate danger, if safe to do so.
- Confine the fire by closing doors. **Note: Do not lock doors.**
- Call the Fire Department (911). Tell them:
 - the building address, and
 - the location, type, and severity of the fire.
- Alert the occupants of an evacuation using Windfall site evacuation procedures
- **If the fire is small and you have been trained in extinguisher use, use a fire extinguisher to attempt to contain the fire.**
- Follow the Evacuation Procedure.

4.21.2 If you are trapped by fire or smoke:

- Close your door and leave it unlocked for the Fire Department.
- Dial 911 and tell them the building address and your exact location. Listen for instructions conveyed by the 911 Operator.
- Seal cracks around the door with fabric or wide tape.
- If smoke enters, move to the most protected area and crouch low. Wave a brightly colored object or sheet of paper in the window.

4.21.3 Evacuation

- Gather essential belongings and put on good walking shoes (if available). Do not go back to your office to retrieve any articles. Ensure that the log book is taken.
- Check all areas—washrooms, storage area, shops, warehouse, offices, meeting rooms—for persons and suspicious items, and close all doors behind you. **Note: If you cannot access the room, knock loudly and declare that an evacuation has been initiated.**
- Walk outside our front Gate to the (muster point) and account for Employee-Partners, contractors, and visitors.

4.22 Site Evacuation

Each Mainline compressor station has a unique document detailing site evacuation procedures and information about evacuation routes, muster points, and the location of emergency response equipment (first aid kits, fire extinguishers, etc.).

For Windfall Compressor Station, refer to EM-MANL-0011.

For Morinville Compressor Station, refer to EM-MANL-0004.

For Irma Compressor Station, refer to EM-MANL-0002.

5.0 Maps

Table 3: ERP Maps

ERP Map - AB Mainline Operating Area	[REDACTED]
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6.0 References

Title	Link
EM-PLAN-0012 Emergency Response Plan	[REDACTED]
EM-GUID-0008 Emergency Response Quick Guide	[REDACTED]
EM-GUID-0009 Reception Emergency Call Quick Guide	[REDACTED]
Emergency Contacts – Internal	[REDACTED]
EM-GUID-0004 Emergency Contacts – Services and Support	[REDACTED]
EM-GUID-0007 Emergency Regulatory Reporting	[REDACTED]

Revision History

Revision	Date	Summary of Changes	Checked by
00	2016-09-23	Moved to EM in Doc Control	[REDACTED]
01	2018-03-07	Updated Template, Equipment Lists, Contacts and Links	[REDACTED]
[02]	[YYYY-MM-DD]		
[03]	[YYYY-MM-DD]		