



PIERIDAE ALBERTA PRODUCTION LTD.

FOOTHILLS RAM RIVER –

SOUTHERN FOOTHILLS

EMERGENCY RESPONSE PLAN

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Pieridae Alberta Production Ltd. is a wholly owned subsidiary of Pieridae Energy Limited.

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Site Specific Information

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Description of Operations

3.1 Description of Operations

3.1.1 Lead Regulatory Agency

The Lead Regulatory Agency for Central Alberta Business (CAB) is the Alberta Energy Regulator (AER).

3.1.1.1 Local Authority

The Local Authority are Clearwater County and MD of Bighorn.

3.1.2 Communications

RADIO EQUIPMENT / HELIPAD	
Intrinsically Safe Radios	
- Field Response Centres	- Roadblocks
- Response Personnel	- Air Monitors
- Rovers	
Land Lines	
- The Caroline Gas Plant Office has telephone lines and fax lines	
Cell Phones	
- Field Response Centres	- Roadblocks
- Response Personnel	- Air Monitors
- Rovers	
CAB Radio Frequencies	
Field Radio Frequencies- Limestone/Clearwater	
Channel "4"	
Transmit	165.78 MHZ
Receive	162.69 MHZ
Tone	103.5
Air to Ground Transmit/Receive	130.275
Field Radio Frequencies SPOG	
Channel "13"	
Transmit	172.575 MHZ
Receive	173.655 MHZ
Tone	103.5

Refer to Section **Section 4.3 Services / Equipment Contact Numbers** for companies who can provide Emergency Equipment.

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Description of Operations

3.1.3 Site Description of Operations

3.1.3.1 Overview of Operations

Pieridae Alberta Production Ltd. is operator / owner of a sour (H₂S) producing wells and pipelines in the Southern Foothills area. This area is composed of various gathering systems which include; Burnt Timber, Ricinus West, Wildhorse and the Ram River Plant.

3.1.3.2 Land Use/Terrain

There are numerous streams and water bodies within or intersecting the emergency planning zone. The primary waterbodies include: South James River, Tay River, Raven River, Red Deer River and Little Red Deer River.

Please refer to the map for a complete listing of waterbodies in the area.

3.1.3.3 Emergency Response Plan Area Reference Chart

Emergency Response Plan Area Reference Chart	
Supporting Plans	Pieridae Crisis Management Plan
The highest licensed H ₂ S concentration for the pipelines	46%
The highest licensed H ₂ S concentration for the wells	46.93%
H ₂ S Release Rates	0.8982 m ³ /s
H ₂ S Release Volumes	30,110m ³
Emergency Planning Zone (EPZ)	6,880 km
SO ₂ Action Zone (AZ)	Based on air monitoring
Incident Command Post (ICP)	Pieridae Caroline Plant 12-34-34-6 W5M
Staging Area for Resources	Tier/Level 1/2/3 – Determined by Incident Commander
Crisis Management Centre	Pieridae Calgary Office
Reception Centre	Canalta Inn 4406 - 41 Avenue, Rocky Mountain House, AB
	Cremona Hotel 106 - 2 Street W, Cremona, AB
	Kurt Browning Arena 5103 - 48 Avenue, Caroline, AB Contact: Debbie Northcott
	Lou Soppit Community Centre, 4733 - 54 Street, Rocky Mountain House, AB Contact: Rodger Smolnicky
	Nordegg Lodge 1 Stuart Street, Nordegg, AB Contact: Karen Baker
	Sundre Arena 1-101 2 Avenue NW, Sundre, AB

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Description of Operations

Emergency Response Plan Area Reference Chart	
	Super 8 Motel 11 Westside Drive, Cochrane AB
Roadblocks	To Be Determined at time of Incident
Air Monitoring Units	Tier/Level 1/2/3 – 1 Unit Mobilized and 1 Unit on Standby
Total Residences	7
Total Residents	+/- 1330
Other Structures / Surface Developments	There are 17 registered grazing allotments, 25 guide / outfitters and 16 registered traplines in the field area
Total Number of Structures / Surface Developments	There are 4 camps, 3 cabins, 3 petroleum facilities, 1 business, 2 fire lookout towers and 1 recreation area within the emergency planning zone.
Other	
Local Authority	Clearwater County MD of Bighorn
AER Field Office	Medicine Hat Field Centre Red Deer Field Centre
Health Authority	Alberta Health Services – Central Zone, Red Deer, AB Alberta Health Services – Calgary, AB

Refer to Section 4.4 Public for Stakeholder Information.

3.1.3.4 Density/Population

The Town of Sundre is located approximately 24 km east of the emergency planning zone and has a population of +/- 2,729.

The Town of Rocky Mountain House is located approximately 27 km east of the emergency planning zone and has a population of +/- 6,635.

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Description of Operations

3.1.3.5 Directions to Area

Highways 579, 584 and 591 run northeast / southwest through the emergency planning zone. Highways 40, and 734 run north / south through the emergency planning zone.

Southern Foothills – Burnt Timber Field Access

Directions to the Burnt Timber 12-18-30-07 W5M Gas Plant

To access the Burnt Timber 12-18 Gas Plant, from Highway 582 in Didsbury, AB:

Total distance approx. 88.2 km (50 minutes)

- Travel west on Highway 582 for 25.9 km.
- Turn south (left) onto Highway 22 and travel for 19.9 km.
- Turn west (right) onto Highway 579 and travel for 18.9 km.
- Turn northwest (right) onto Twp. Rd. 300A for 9.8 km.
- Turn left onto Twp. Rd. 302A and travel 10.1 km.
- Turn left at the T intersection and travel 3.6 km to the Burnt Timber Gas Plant 12-18-30-07 W5M.

To access the Burnt Timber 12-18 Gas Plant, from the intersection of Highways 27 and 760 in Sundre, AB:

Total distance approx. 39.2 km (30 minutes)

- Travel south on Highway 760 for 10 km.
- Turn west (right) and travel 1.2 km.
- Turn south (left) onto Rge. Rd. 53 and travel for 14.6 km
- Turn west (right) onto Twp. Rd. 304 and travel for 13.4 km. Continue on Twp. Rd. 304A for 12.8 km to reach the Burnt Timber Gas Plant 12-18-30-07 W5M

Directions to the Benjamin Well Site 16-28-28-08 W5M

To access the Benjamin 16-28 wellsite, from the intersection of Highway 1A and Highway 22 in Cochrane, Alberta: Total distance approx. 58.8 km (40 minutes)

- Travel northwest on Highway 1A for approximately 13.2 km.
- Turn north (right) on Highway 40 and travel northwest for approximately 43.8 km.
- Turn west (left) at the red gate onto the well access road and travel approximately 1.8 km to the Pieridae Benjamin 16-28 wellsite.

Directions to the Benjamin 12-08-29-07 W5M Compressor

To access the Benjamin 12-08 Compressor, from the intersection of Highway 1A and Highway 22 in Cochrane, Alberta: Total distance approx. 68.6 km (45 minutes)

- Travel northwest on Highway 1A for approximately 13.2 km.
- Turn north (right) onto Highway 40 and travel northwest for approximately 46.0 km.
- Turn east (right) on Highway 579 and travel for 9.4 km, passing the red gate to reach the 12-08 Benjamin Compressor.

To access the Benjamin 12-08 Compressor, from the intersection of Highway 22 and Highway 580 in Cremona, Alberta: Total distance approx. 49.9 km (50 minutes)

- Travel south on Highway 22 for approximately 4.6 km.
- Turn left onto Cordel East Road for 5.6 km to reach the Cordel Compressor Station 03-36-42-16 W5M.
- Turn west (right) on Highway 579 and travel for 39.7 km to the 12-08 Benjamin Compressor

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Description of Operations

Directions to the Ram River Plant 04-02-37-10 W5M

To access the Ram River Plant, from the intersection of Highway 752 and Highway 598 in Rocky Mountain House, Alberta: Total distance approx. 50.4 km (35 minutes)

- Travel southwest on Highway 752 for approximately 43.7 km to the Ram River turnoff.
- Turn south (left) onto a gravel access road and travel for approximately 6.7 km to the 04-02-37-10 W5M Ram River Plant.

To access the Ram River Plant, from Highway 54 in Caroline, Alberta:

Total distance approx. 90.4 km (1 hour)

- Travel southwest on Highway 591 and continue onto Highway 734 for approximately 65.6 km.
- Turn northeast (right) and continue on Highway 752 for 18.1 km.
- Turn south (right) and travel for 6.7 km to the Ram River Plant.

See Maps in Section 3.5.



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Site Specific Considerations

3.2 Site Specific Considerations

3.2.1 Site Evacuation

Authority

- In consultation with the Corporate Crisis Manager, the Incident Commander may evacuate non-essential personnel and public.
- If people are at risk, the Operations Section Chief has the authority to evacuate the area.
- The Operations Section Chief may decide to close roads.
 - RCMP must be contacted to when considering closure of public roads.

Guidelines

- Mandatory evacuation or sheltering of all non-essential and/or unprotected personnel and residents within the hazard area is required under the following situations:
 - Toxic gas release
 - Non-toxic flammable gas release
 - From the immediate hazard area (greater than 10 percent of the LEL of the released gas)
 - Fire/Explosion
 - If the situation is ongoing from any area directly impacted by the incident
 - Heavy smoke, extreme heat and structural damage caused by blast
 - Liquid Spills
 - From any area that is directly impacted by the incident. Drainage course and vapours released by the liquid must be taken into account.

Note: Wind and other factors may cause the hazardous area to change rapidly. Provide an area that allows for sudden changes in evacuation requirements.

Site Evacuation will be initiated by the Incident Commander, the Operations Section Chief or designate.

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Site Specific Considerations

3.2.2 Muster Points

The designated Muster Points (MP) are:

On-site Muster Points

MP #	Location	Personnel Most Likely to be Present
1	TBD	
2	TBD	

Off-site Muster Points:

These muster points should be used only in the event that On-site Muster Points cannot be safely accessed.

MP #	Location	Personnel Most Likely to be Present
1	TBD	
2	TBD	

If a designated muster area is inaccessible or unsafe for any reason, proceed to the nearest safe area and notify your Site Superintendent.

3.2.3 Emergency Alarms

In order to safely operate, field wellsites are equipped with ESD valves. Pipelines are equipped with LBVs. Wellsite ESDs and LBVs will automatically close in the event of an emergency.

Alarms and shutdowns are monitored 24/7 through the Caroline Control room and the on call operator is notified for response. A truck-to-truck radio system is in place for communications in the field with operators in the area.

Notification

Pieridae operators attend the wells and facilities regularly as well as monitor them via SCADA

3.2.4 Emergency Planning Area Overview - CAB

The emergency planning area is made up of Caroline, Limestone, Clearwater, Ram River, Tay River, Central Foothills and Southern Foothills well and pipeline emergency planning zones. Emergency shut-down valves are in place to isolate an emergency.

Four possible Reception Centres have been identified. The Reception Centre activated would be dependent on the location of the incident.

The surrounding area includes Grazing Leases, trapping/outfitting and farming operations and community grazing pastures.

There are several Secondary Highways and many range, township and Petroleum Development roads running through the various Emergency Planning Zones in the area.

The local authority office and the RCMP must be notified of any road closure. Pieridae must have RCMP approval prior to the closure of the secondary highways.

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Site Specific Considerations

The hydrocarbon liquid containers are registered with the Federal Government under the LPG Emergency Response Assistance Canada (LPG-ERAC). As a plan participant in LPG-ERAC, Pieridae would call upon the co-op to assist in controlling the source of a release from either of these containers in the event of an incident. A 1.6 km LPG Awareness Area surrounds the container. There are no residents within the LPG Awareness Zone.

3.2.5 Reception Centre

The Reception Centre is the location where Pieridae will address the needs of evacuated public.

It is located at a safe distance from the release source, outside the EPZ.

The Reception Centre will receive evacuees, help arrange for accommodation, exchange contact information, dispense expense claim forms, provide information updates & address issues identified by evacuees.

The Reception Centre will be located at one of the following: Lou Soppit Community Centre, Nordegg Lodge and PECO Inn - Lodgepole, AB (SW 01-27-46-14 W5M).

Refer to Section 4.2 for contact information.

Directions to Reception Centre – Canalta Inn	
From Pieridae Caroline Complex to Canalta Inn 4406 - 41 Avenue, Rocky Mountain House, AB	<ul style="list-style-type: none"> • Head north toward Range Rd 61, 1.9 km • Turn left onto Range Rd 61, 9.8 km • Turn left onto Township Rd 360: 3.3 km • Turn right onto Range Rd 63: 4 km • Turn left onto AB-22/AB-54 W: 4.9 km • Turn right onto AB-22: 25 km • Turn left onto AB-11 W/AB-22: 6.4 km • Turn left onto 45 St.: 300 m • Turn left onto 41 Ave.: 220 m
Directions to Reception Centre – Cremona Hotel	
From Pieridae Caroline Complex to Cremona Hotel 106 - 2 Street W, Cremona, AB	<ul style="list-style-type: none"> • Head north toward Range Rd 61, 1.9 km • Turn right onto Range Rd 61, 3.3 km • Turn left onto Township Rd 344: 4.9 km • Turn right onto AB-22: 16.4 km • Turn left onto AB-27 E: 12.5 km • Turn right onto AB-22: 27.1 km • Turn left onto Railway Ave. W/AB-580 E: 110 m
Directions to Reception Centre – Kurt Browning Arena	
From Pieridae Caroline Complex to Kurt Browning Arena, 5103 – 48 th Ave, Caroline, AB	<ul style="list-style-type: none"> • North on Rge Rd 6-1, 14 km • Turn left at 4-way stop • One block west
Directions to Reception Centre – Lou Soppit Community Centre	
From Pieridae Caroline Complex to Lou Soppit Community Centre 4733 - 54 Street, Rocky Mountain House, AB	<ul style="list-style-type: none"> • Head north toward Range Rd 61, 1.9 km • Turn left onto Range Rd 61, 9.8 km • Turn left onto Township Rd 360: 3.3 km • Turn right onto Range Rd 63: 4 km • Turn left onto AB-22/AB-54 W: 4.9 km • Turn right onto AB-22: 25 km • Turn left onto AB-11 W/AB-22: 8.8 km

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Site Specific Considerations

	<ul style="list-style-type: none"> • Turn left onto 53 Ave.: 92 m • Turn right onto 48 St.: 61 m
Directions to Reception Centre – Sundre Arena	
From Pieridae Caroline Complex to Sundre Arena, #1, 101 – 2 nd Ave NW, Sundre, AB	<ul style="list-style-type: none"> • South on Rge Rd 6.1, 3.4 km • East on Hwy 587, 6 km • South on Hwy 22, 21 km • East on Hwy 27, 3.5 km to traffic light • North on Center Street, two blocks • Turn West
Directions to Reception Centre – Super 8 Motel	
From Pieridae Caroline Complex to Super 8 Motel 11 Westside Drive, Cochrane AB	<ul style="list-style-type: none"> • Head north toward Range Rd 61, 1.9 km • Turn right onto Range Rd 61, 3.3 km • Turn left onto Township Rd 344: 4.9 km • Turn right onto AB-22: 16.4 km • Turn left onto AB-27 E: 12.5 km • Turn right onto AB-22: 67.6 km • Turn right onto Quigley Dr: 150 m • Turn left onto Westside Dr.: 220 m

3.2.6 Staging Area

A separate location may need to be established as a staging area if the ICP is not in close proximity to the incident site or does not have sufficient space to accommodate the response equipment.

3.2.7 Local Emergency Operations Centres

3.2.7.1 Incident Command Post (ICP)

Typically there is only one Incident Command Post (ICP) per incident. The ICP is established by the Incident Commander in the best location to manage the Incident.

The ICP

- is the location where primary command functions are performed.
- may be located with other facilities
- is normally not relocated
- should be large enough to provide adequate working room for assigned personnel
- should contain situation and resource status displays necessary for the incident
- is where arriving agency representatives are normally located.

Ideally, the ICP should be a pre-designated room that is kept in a ready state at all times. It should contain easy access (i.e., wall charts, handouts, etc.) to pertinent information. This includes, but is not limited to:

- ICS Form 201,
- Emergency Classification Criteria (as specified by the local regulator),
- First on the Scene Checklist,
- The Planning "P", and
- An area map.

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Site Specific Considerations

The ICP should also be equipped with:

- Multiple phone lines,
- Radios, and
- Vests identifying response functions for personnel.

The ICP may be located in an emergency response truck/trailer at or near the site, or at the Complex.

Mobile locations will be equipped with a copy of the Emergency Response Plan (ERP), breathing apparatus, gas detectors, phones and/or 2-way radios.

3.2.7.2 Crisis Management Centre Calgary

The Calgary Crisis Management Centre (CMC) serves as the meeting and working location of the Pieridae Crisis Management Teams (CMT).

The CMC is located in Pieridae's Calgary Office. The room is equipped with maps, computers, whiteboards, cellular phones, and telephones with additional outside lines and a fax machine.

There are also cabinets that contain copies of the Emergency Response Plan (ERP) and applicable maps.

3.2.8 ERP Community Involvement

The Caroline Emergency Response Committee worked through 1991 and 1992 to write the Caroline Complex Emergency Response Plan. The committee included local residents, Alberta Public Safety Services and Municipal representatives. Their biggest contribution was the creation of a 1-800 call down system for all industry complaints in the Caroline/Sundre Region through the creation of the Sundre Petroleum Operators Group (SPOG). Currently the SPOG Mutual Aid Committee continues to work with Pieridae on its emergency response plan, including IT support and participation in the annual mock exercise. Community members of the Sundre Petroleum Operators Group, Disaster Services, RCMP and other local industry members all participate in the annual mock exercise.

3.2.9 Mutual Aid Agreements / Understandings

Mutual aid is an agreement between 2 or more companies/agencies in an area outlining how they will assist each other in responding to an emergency. The agreement defines each responder's responsibilities for providing aid and support during an incident.

Mutual Aid agreements are in place with the member companies of the Sundre Petroleum Operators Group (SPOG) for the Caroline/Sundre Area.

3.2.10 Site Security

During an incident, roadblocks would be established to isolate the incident area and non-essential personnel would be removed from the area. Section 1.4.1 (Incident Commander), Section 1.4.3 (Safety Officer) and Section 1.4.9 (Site Safety) go into detail about assessing site security and include duties to accomplish this.

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Site Specific Considerations

3.2.11 *Potential Assessments*

This plan is applicable for all emergencies Southern Foothills may be involved with: H₂S and any other toxic gas release, fire, hazardous material spill, loss of pressure, explosion, injury accident/fatality, transportation incident, radioactive incident, natural hazards, or external event.

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Equipment Lists – Southern Foothills

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Equipment Lists

3.3 Equipment Lists

3.3.1 *Required Equipment and Hand Tools*

Description	Quantity Required
Ditch Hitch Tow Kit	1
Booster Cables 20'	1
#1 First Aid Kit	1
Emergency Flares (triangle reflectors 3 in a kit)	1
LED Flashlight	1
Ratchet Straps	2
Cell Phone Booster System	1
30lb Fire Extinguisher c/w Bracket	1
Pipe Wrench 18" Alum	1
Pipe Wrench 24' Alum	1
Crescent Wrench 12"	1
Crescent Wrench 15"	1
Vice Grips 10"	1
Pliers Water Pump 12"	1
Needle Nose Pliers 8"	1
Side Cutter Pliers 7"	1
14 piece Combination Wrench Set (3/8" to 1") 1	1
Hammer (Brass 5lb) 1	1
Hammer (Ball pean 2 lb) 1	1
Wire Brush 1	1
Pry Bar 16" 1	1
Allen Key Set (SAE) 1	1
Assorted 1/2" Drive Socket Set (3/8" to 1") 1	1
Assorted 3/8" Drive Socket Set (1/4" to 7/8") 1	1
Screwdriver Set 10 Piece 1	1
Long Handle Round Spade 1	1
Axe 1	1
Garden Rake 1	1
Baker Pump 1	1
Wajax 1	1
Cargo Net	1
Packing Puller 1	1
Two Way Radio for Vehicle 1	1



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Equipment Lists

3.3.2 *Incident Radio Communications Plan – ICS 205*

1. Incident Name:			2. Date/Time Prepared: Date: Time:				3. Operational Period: Date From: Time From:			Date To: Time To:
4. Basic Radio Channel Use:										
Zone Grp.	CH #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W MHZ	RX Tone/NAC	TX Freq N or W MHZ	TX Tone/NAC	Mode (A, D, or M)	Remarks
	4				162.69	103.5	165.78	103.5		Limestone/Clearwater
		Aircraft			130.275		130.275			Limestone/Clearwater Air to Ground
	13				173.655	103.5	172.575	103.5		SPOG
5. Special Instructions:										
6. Prepared by (Communications Unit Leader):				Name: _____				Signature: _____		
ICS 205			IAP Page _____		Date Time: _____					

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Technical Data – Southern Foothills

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3.4 Technical Data

3.4.1 CEPA Regulated Substance

There are no CEPA Regulated Substances stored at the Southern Foothills facility.

3.4.2 Emergency Planning Zone (EPZ) Summary

Refer to the following page.



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Technical Data

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Wells

H ₂ S Concentration (%)	H ₂ S Release Rate (m ³ /s)	Assigned Emergency Planning Zone (m)
0.67 - 46.90	0.0018 - 4.9938	20 - 1,290

Refer to Section 7: Technical Data for individual well H₂S release rate information.

Pipelines

H ₂ S Concentration (%)	H ₂ S Release Volume (m ³)	Assigned Emergency Planning Zone (m)
0.00 - 50.00	0 - 30,110	0 - 6,880

Refer to Section 7: Technical Data for individual pipeline H₂S release volume information.

Facilities

Assigned Emergency Planning Zone (m)
6,880

The EPZ assignment for the facility is based on the largest EPZ of any pipeline entering or exiting the facility. Specifically, Pipeline 44398, Line 4 has an EPZ of 6,880 m.



PERMIT TO PRACTICE	
BEHR INTEGRATED SOLUTIONS INC.	
RM SIGNATURE:	
RM APEGA ID #:	33224
DATE:	2021-03-12
PERMIT NUMBER: P008518	
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)	

12 Mar. 2021

PIERIDAE ALBERTA PRODUCTION LTD.
Pieridae Ram River Southern Foothills Well Asset

Licence #	Operator	UWI	Surface Location	Well Name	Status	Fluid	H ₂ S Conc. (%)	H ₂ S Release Rate (m ³ /s)	IIZ (m)	PAZ (m)	EPZ (m)
Clearwater Field											
123331	Pieridae Alberta Production Ltd.	100/05-01-036-13W5/3	14-36-035-13 W5M	MOBIL CLEARWATER 5-1-36-13	Flowing	Gas	0.90	0.0116	40	90	100
148511	Pieridae Alberta Production Ltd.	100/06-06-036-12W5/0	04-06-036-12 W5M	SHELL MOBIL 10 CLEARWATER 6-6-36-12	Flowing	Gas	0.76	0.0071	30	70	80
309264	Pieridae Alberta Production Ltd.	100/13-32-035-12W5/3	04-06-036-12 W5M	SHELL 13 CLEARWATER 13-32-35-12	Flowing	Gas	0.67	0.0072	30	70	80
134144	Pieridae Alberta Production Ltd.	100/02-12-036-13W5/0	03-12-036-13 W5M	SHELL CLEARWATER 2-12-36-13	Flowing	Gas	0.90	0.0141	40	100	110
217697	Pieridae Alberta Production Ltd.	100/11-12-036-13W5/0	03-12-036-13 W5M	SHELL 11 CLEARWATER 11-12-36-13	Flowing	Gas	0.86	0.0018	0	20	20
Limestone Field											
117327	Pieridae Alberta Production Ltd.	100/06-34-034-11W5/0	03-34-034-11 W5M	SHELL ET AL LIMESTONE 6-34-34-11	Pumping	Gas	2.23	0.0217	60	130	160
73673	Pieridae Alberta Production Ltd.	100/10-03-035-11W5/0	06-03-035-11 W5M	SHELL ET AL RICINW 10-3-35-11	Pumping	Gas	2.39	0.0100	40	90	100
71947	Pieridae Alberta Production Ltd.	100/03-08-035-11W5/0	05-05-035-11 W5M	IKM LIMESTN 3-8-35-11	Flowing	Gas	0.90	0.0169	50	110	130
Ram Field											
132071	Pieridae Alberta Production Ltd.	100/08-21-037-14W5/0	14-16-037-14 W5M	SHELL RAM 8-21-37-14	Flowing	Gas	10.19	0.2088	220	480	560
132071	Pieridae Alberta Production Ltd.	100/08-21-037-14W5/2	14-16-037-14 W5M	SHELL RAM 8-21-37-14	Flowing	Gas	1.95	0.0298	70	150	180
Ricinus Field											
381601	Pieridae Alberta Production Ltd.	100/14-06-035-08W5/0	14-06-035-08 W5M	IKM RICINUS 14-6-35-8	Suspended	Gas	30.03	-	-	-	-
39393	Pieridae Alberta Production Ltd.	100/11-18-036-09W5/0	11-18-036-09 W5M	IKM RICINUSW 11-18-36-9	Flowing	Gas	42.17	0.8785	510	1,100	1,290
37961	Pieridae Alberta Production Ltd.	100/07-13-036-10W5/0	07-13-036-10 W5M	IKM RICINUSW 7-13-36-10	Flowing	Gas	46.90	0.3583	310	670	780
51210	Pieridae Alberta Production Ltd.	100/09-24-036-10W5/0	10-24-036-10 W5M	TIDEWATER RICINUSW 9-24-36-10	Flowing	Gas	40.83	0.7514	460	1,010	1,180
36348	Pieridae Alberta Production Ltd.	100/06-25-036-10W5/2	06-25-036-10 W5M	IKM RICINUSW 6-25-36-10	Suspended	Gas	84.77	-	-	-	-
37781	Pieridae Alberta Production Ltd.	100/07-26-036-10W5/0	07-26-036-10 W5M	IKM RICINUSW 7-26-36-10	Flowing	Gas	44.08	0.2908	310	650	750
38785	Pieridae Alberta Production Ltd.	100/14-27-036-10W5/0	12-27-036-10 W5M	IKM RICINUSW 14-27-36-10	Pumping	Gas	43.13	0.3295	300	640	740
310959	Pieridae Alberta Production Ltd.	100/02-06-037-10W5/0	03-05-037-10 W5M	SHELL TAY RIVER RICINUSW 2-6-37-10	Flowing	Gas	34.00	4.9938	70	930	1,070
Wildcat Hills Field											
220062	Pieridae Alberta Production Ltd.	100/16-23-028-08W5/3	09-23-028-08 W5M	CANLIN WCATH 9-23-28-8	Suspended	Gas	2.20	-	-	-	-
148190	Cq Energy Canada Resources Partnership	100/16-28-028-08W5/2	16-28-028-08 W5M	TIDEWATER WCATH 16-28-28-8	Flowing	Gas	13.24	0.4965	360	800	930
305679	Cq Energy Canada Resources Partnership	103/16-28-028-08W5/2	16-28-028-08 W5M	TIDEWATER WCATH 16-28-28-8	Flowing	Gas	43.25	0.0150	60	120	140
Wildhorse Creek Field											
383364	Cq Energy Canada Resources Partnership	100/08-22-031-10W5/0	05-22-031-10 W5M	IKM WILDHCK 8-22-31-10	Suspended	Gas	7.59	-	-	-	-

Comments:

- The EPZs have been calculated in accordance with AER Directive 071 (February 2017) using the ERCBH2S V.1.20 computer model.

PIERIDAE ALBERTA PRODUCTION LTD.
Pieridae Ram River Southern Foothills Pipeline Asset

Area	Licence	Line	Segment	From Location	From Facility	From Valve	To Location	To Facility	To Valve	Status	Substance	Licenced MOP	Expected MOP	OD	WT	L	Equivalent Length between ESDs	Licenced H ₂ S	Expected Maximum H ₂ S	Temperature	H ₂ S Release Volume	Setback Level	IIZ	PAZ	EPZ		
Sour Pipelines																											
Clearwater, Ram River, Tay	26527	1	A	14-16-037-14W5	WE	ESD	16-20-036-13W5	PL	CV	O	SG	14,890	12,000	168.3	7.10	14,410	14,410	4.20	2.00	12.0	2352	Level 3	240	710	840		
Clearwater, Ram River, Tay	26527	1	B	16-20-036-13W5	PL	CV	04-17-036-12W5	PL	ESD	O	SG	14,890	11,000	168.3	7.10	14,190	28,752	4.20	2.00	15.0	4558	Level 3	230	670	790		
Clearwater, Ram River, Tay	26527	3		04-17-036-12W5	PL	ESD	03-32-035-12W5	PL	CV	O	SG	14,890	10,500	168.3	7.10	5,500	5,500	4.20	2.00	15.0	877	Level 2	180	540	640		
Clearwater, Ram River, Tay	23046	13		02-12-036-13W5	PL	ESD	03-32-035-12W5	PL	CV	O	SG	14,890	6,000	114.3	6.00	6,000	6,000	3.00	1.00	8.0	315	Level 2	70	220	260		
Clearwater, Ram River, Tay	23046	1		14-36-035-13W5	WE	ESD	03-06-036-12W5	PL	CV	O	SG	14,890	9,000	114.3	5.56	2,100	3,000	3.00	0.70	10.0	111	Level 1	60	220	260		
Clearwater, Ram River, Tay	23046	14	A	04-06-036-12W5	WE	ESD	03-06-036-12W5	PL	CV	O	SG	14,890	6,000	114.3	5.60	500	500	3.00	0.90	12.0	26	Level 1	60	190	230		
Clearwater, Ram River, Tay	23046	14	B	03-06-036-12W5	PL	CV	03-32-035-12W5	PL	CV	O	SG	14,890	6,000	114.3	5.60	3,300	5,918	3.00	0.90	12.0	305	Level 2	60	200	240		
Clearwater, Ram River, Tay	26527	5		03-32-035-12W5	WE	ESD	16-17-035-11W5	PL	CV	O	SG	14,890	10,000	168.3	7.90	14,150	14,150	4.20	1.00	15.0	2209	Level 3	110	360	430		
Clearwater, Ram River, Tay	23046	9		03-34-034-11W5	WE	ESD	06-03-035-11W5	PL	CV	O	SG	14,890	6,000	88.9	5.49	2,500	2,500	3.00	2.50	17.0	71	Level 1	90	260	310		
Clearwater, Ram River, Tay	26563	1	A	06-03-035-11W5	WE	ESD	15-09-035-11W5	PL	CV	O	SG	14,890	3,000	114.3	5.56	5,192	5,192	3.00	2.00	17.0	329	Level 2	70	200	240		
Clearwater, Ram River, Tay	26563	1	B	15-09-035-11W5	PL	CV	16-17-035-11W5	PL	CV	O	SG	14,890	3,000	114.3	5.56	3,308	8,500	3.00	2.00	17.0	493	Level 2	80	220	260		
Clearwater, Ram River, Tay	23046	5		05-05-035-11W5	WE	ESD	16-17-035-11W5	PL	CV	O	SG	14,890	5,500	114.3	5.56	5,700	5,700	3.00	0.90	8.0	306	Level 2	60	200	230		
Clearwater, Ram River, Tay	26527	6	A	16-17-035-11W5	PL	ESD	10-11-036-10W5	PL	CV	O	SG	14,890	9,500	219.1	9.50	21,700	21,700	4.20	2.50	20.0	5640	Level 3	230	720	840		
Clearwater, Ram River, Tay	26527	6	B	10-11-036-10W5	PL	CV	04-02-037-10W5	GPP	ESD	O	SG	14,890	9,500	219.1	9.50	8,470	30,170	4.20	2.50	20.0	7842	Level 4	240	740	860		
Clearwater, Ram River, Tay	44658	1	A	03-05-037-10W5	B	ESD	13-33-036-10W5	PL	ESD	O	SG	14,890	9,500	219.1	7.90	1,650	1,650	40.00	35.00	20.0	5240	Level 3	1,340	3,500	4,140		
Clearwater, Ram River, Tay	44658	1	B	13-33-036-10W5	PL	ESD	09-33-036-10W5	PL	ESD	O	SG	14,890	9,500	219.1	7.90	1,650	1,650	40.00	35.00	20.0	5240	Level 3	1,460	3,680	4,370		
Clearwater, Ram River, Tay	44658	1	C	09-33-036-10W5	PL	ESD	16-34-036-10W5	PL	ESD	O	SG	14,890	9,500	219.1	7.90	1,610	1,610	40.00	35.00	20.0	5113	Level 3	1,460	3,670	4,360		
Clearwater, Ram River, Tay	44658	3		16-34-036-10W5	PL	ESD	04-02-037-10W5	GPP	ESD	O	SG	14,890	9,000	219.1	7.90	1,290	1,290	40.00	35.00	20.0	4097	Level 3	1,290	3,320	3,940		
Burnt Timber	35066	1	A	12-18-030-07W5	PL	ESD	04-25-030-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	3,300	3,300	20.00	20.00	34.0	4131	Level 3	1,010	2,520	3,010		
Burnt Timber	35066	1	B	04-25-030-08W5	PL	ESD	06-35-030-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	2,410	2,410	20.00	20.00	34.0	3017	Level 3	990	2,430	2,920		
Burnt Timber	35066	1	C	06-35-030-08W5	PL	ESD	08-11-031-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	3,500	3,500	20.00	20.00	34.0	4381	Level 3	1,010	2,530	3,020		
Burnt Timber	35066	1	D	08-11-031-08W5	PL	ESD	04-24-031-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	3,280	3,280	20.00	20.00	34.0	4106	Level 3	1,010	2,510	3,000		
Burnt Timber	35066	1	E	04-24-031-08W5	PL	ESD	03-35-031-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	3,490	3,490	20.00	20.00	34.0	4368	Level 3	1,010	2,530	3,020		
Burnt Timber	35066	1	F	03-35-031-08W5	PL	ESD	15-03-032-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	3,440	3,440	20.00	20.00	34.0	4306	Level 3	1,010	2,530	3,020		
Burnt Timber	35066	1	G	15-03-032-08W5	PL	ESD	09-16-032-08W5	PL	ESD	O	SG	14,890	9,000	219.1	8.70	2,860	2,860	20.00	20.00	34.0	3580	Level 3	1,000	2,470	2,970		
Burnt Timber	35066	1	H	09-16-032-08W5	PL	ESD	03-28-032-08W5	PL	ESD	O	SG	1															

Area	Licence	Line	Segment	From Location	From Facility	From Valve	To Location	To Facility	To Valve	Status	Substance	Licenced MOP	Expected MOP	OD	WT	L	Equivalent Length between ESDs	Licenced H ₂ S	Expected Maximum H ₂ S	Temperature	H ₂ S Release Volume	Setback Level	IIZ	PAZ	EPZ			
Burnt Timber	43238	1	A	10-16-034-08W5	PL	ESD	11-29-034-08W5	PL	ESD	O	SG	14,890	9,000	168.3	7.10	4,500	4,500	20.00	20.00	34.0	3290	Level 3	620	1,590	1,860			
Burnt Timber	43238	1	B	11-29-034-08W5	PL	ESD	09-01-035-09W5	PL	ESD	O	SG	14,890	9,000	168.3	7.10	4,760	4,760	20.00	20.00	34.0	3480	Level 3	620	1,610	1,880			
Burnt Timber	43238	1	C	09-01-035-09W5	PL	ESD	12-15-035-09W5	PL	ESD	O	SG	14,890	9,000	168.3	7.10	5,660	5,660	20.00	20.00	34.0	4138	Level 3	620	1,650	1,920			
Burnt Timber	43238	1	D	12-15-035-09W5	PL	ESD	05-32-035-09W5	PL	ESD	O	SG	14,890	9,000	168.3	7.10	5,730	5,730	20.00	20.00	34.0	4189	Level 3	620	1,650	1,920			
Burnt Timber	43238	1	E	05-32-035-09W5	PL	ESD	08-11-036-10W5	PL	ESD	O	SG	14,890	9,000	168.3	7.10	5,280	5,280	20.00	20.00	34.0	3860	Level 3	620	1,630	1,900			
Burnt Timber	43238	1	F	08-11-036-10W5	PL	ESD	07-26-036-10W5	PL	ESD	O	SG	14,890	9,000	168.3	7.10	5,480	5,480	20.00	20.00	34.0	4006	Level 3	620	1,640	1,900			
Burnt Timber	43238	1	G	07-26-036-10W5	PL	ESD	11-02-037-10W5	GPP	ESD	O	SG	14,890	9,000	168.3	7.10	4,640	4,640	20.00	20.00	34.0	3392	Level 3	620	1,600	1,870			
Burnt Timber	27512	1	A	16-28-028-08W5	B	ESD	01-03-029-08W5	PL	LBV	O	SG	9,930	7,600	168.3	5.60	2,600	10,680	50.00	46.00	34.0	4169	Level 3	1,330	3,130	3,690			
Burnt Timber	27512	1	B	01-03-029-08W5	PL	LBV	01-01-029-08W5	PL	LBV	O	SG	9,930	7,600	168.3	5.60	4,100	10,680	50.00	46.00	34.0	6590	Level 4	1,350	3,200	3,770			
Burnt Timber	27512	1	C	01-01-029-08W5	PL	LBV	12-08-029-07W5	CS	ESD	O	SG	9,930	7,600	168.3	5.60	3,980	10,680	50.00	46.00	34.0	6394	Level 4	1,340	3,200	3,760			
Burnt Timber	27512	2	A	12-08-029-07W5	CS	ESD	13-20-029-07W5	PL	LBV	O	SG	9,930	7,600	168.3	5.60	3,710	11,870	50.00	46.00	34.0	5956	Level 3	1,340	3,190	3,750			
Burnt Timber	27512	2	B	13-20-029-07W5	PL	LBV	01-06-030-07W5	PL	LBV	O	SG	9,930	7,600	168.3	5.60	4,020	11,870	50.00	46.00	34.0	6465	Level 4	1,340	3,200	3,770			
Burnt Timber	27512	2	C	01-06-030-07W5	PL	LBV	12-18-030-07W5	B	ESD	O	SG	9,930	7,600	168.3	5.60	4,140	11,870	50.00	46.00	34.0	6646	Level 4	1,350	3,210	3,770			
Ricinus	44398	5		12-27-036-10W5	PL	-	06-34-036-10W5	PL	CV	O	SG	9,650	2,000	219.1	5.60	1,220	1,220	45.00	45.00	5.0	3181	Level 3	1,010	3,160	3,730			
Ricinus	44398	2		06-34-036-10W5	PL	-	04-02-037-10W5	PL	-	O	SG	9,650	2,000	273.1	7.10	1,790	2,577	45.00	45.00	5.0	10413	Level 4	1,380	4,390	5,250			
Ricinus	44398	6		07-26-036-10W5	PL	-	06-25-036-10W5	PL	CV	O	SG	9,650	2,000	219.1	5.60	1,140	1,140	45.00	45.00	5.0	2972	Level 3	1,010	3,150	3,730			
Ricinus	13094	2		11-18-036-09W5	WE	-	04-19-036-09W5	PL	-	O	SG	9,650	2,000	219.1	6.40	820	3,110	45.00	45.00	5.0	7978	Level 4	1,010	3,100	3,670			
Ricinus	13094	4		04-19-036-09W5	PL	-	06-25-036-10W5	PL	CV	O	SG	9,650	2,000	219.1	6.40	2,290	3,110	45.00	45.00	5.0	7978	Level 4	1,010	3,100	3,670			
Ricinus	44398	4		06-25-036-10W5	PL	-	12-02-037-10W5	PL	-	O	SG	9,650	2,000	323.9	8.40	3,370	6,689	45.00	45.00	5.0	30110	Level 4	1,800	5,750	6,880			
Ricinus	44398	3		07-13-036-10W5	WE	-	10-24-036-10W5	PL	CV	O	SG	9,650	2,000	219.1	5.60	2,000	2,000	45.00	45.00	5.0	5214	Level 3	1,020	3,160	3,740			
Ricinus	44398	8		10-24-036-10W5	PL	-	03-25-036-10W5	PL	-	O	SG	9,650	2,000	219.1	5.60	1,040	14,596	45.00	45.00	5.0	7926	Level 4	1,020	3,140	3,730			
Shut-In Pipeline																												
Ricinus	44398	7		10-24-036-10W5	PL	-	06-25-036-10W5	PL	-	SI	SG	9,650	0	219.1	5.60	1,020		45.00	45.00	5.0	-	-	-	-	-	-	-	-
Sweet Natural Gas Pipeline																												
Burnt Timber	21247	2		11-02-037-10W5	PL		05-02-037-10W5	PL		O	NG	9,930		219.1	5.60	410		0.00			na	na	0	0	0	0	0	0
Fuel Gas Pipelines																												
Ricinus	12983	1		06-25-036-10W5	PL		04-19-036-09W5	PL		O	FG	9,930		60.3	3.18	2,290		0.00			na	na	0	0	0	0	0	0

Area	Licence	Line	Segment	From Location	From Facility	From Valve	To Location	To Facility	To Valve	Status	Substance	Licenced MOP	Expected MOP	OD	WT	L	Equivalent Length between ESDs	Licenced H ₂ S	Expected Maximum H ₂ S	Temperature	H ₂ S Release Volume	Setback Level	IIZ	PAZ	EPZ			
																										(m ³)	(m)	(m)
Ricinus	51635	1		06-25-036-10W5	PL		06-25-036-10W5	PL		O	FG	6,900		60.3	5.50	40		0.00				na	na	0	0	0		
Burnt Timber	59603	1		04-02-037-10W5	CS		06-34-036-10W5	PL		O	FG	6,900		88.9	3.18	1,760		0.00				na	na	0	0	0		
Burnt Timber	59603	2		04-02-037-10W5	GPP		07-13-036-10W5	WE		O	FG	6,900		88.9	3.18	6,370		0.00				na	na	0	0	0		
Ricinus	59603	3		06-25-036-10W5	PL		06-25-036-10W5	WE		O	FG	6,900		88.9	3.18	50		0.00				na	na	0	0	0		
Ricinus	59603	4		06-25-036-10W5	PL		07-26-036-10W5	WE		O	FG	6,900		88.9	3.18	1,160		0.00				na	na	0	0	0		
Ricinus	59603	5		06-34-036-10W5	PL		12-27-036-10W5	WE		O	FG	6,900		88.9	3.18	1,220		0.00				na	na	0	0	0		
Ricinus	59603	6		06-25-036-10W5	PL		10-24-036-10W5	WE		O	FG	6,900		88.9	3.18	1,070		0.00				na	na	0	0	0		
Discontinued Pipeline																												
Burnt Timber	8270	2		09-09-037-10W5	BE	-	12-02-037-10W5	BE	-	D	SG	0	0	219.1	5.60	2,860		2.04	2.04			-	-	-	-	-	-	-
Burnt Timber	8270	3		12-02-037-10W5	BE	-	11-02-037-10W5	BE	-	D	SG	0	0	219.1	5.60	650		2.04	2.04			-	-	-	-	-	-	-
Burnt Timber	8452	1		11-02-037-10W5	BE	-	11-02-037-10W5	BE	-	D	LV	0	0	219.1	3.20	60		0.05	0.05			-	-	-	-	-	-	-
Burnt Timber	19364	1		02-15-034-08W5	BE	-	02-15-034-08W5	BE	-	D	SG	0	0	88.9	11.10	110		33.44	33.44			-	-	-	-	-	-	-
Burnt Timber	19364	2		02-15-034-08W5	BE	-	02-15-034-08W5	BE	-	D	SG	0	0	114.3	13.50	70		33.44	33.44			-	-	-	-	-	-	-
Burnt Timber	19364	3		02-15-034-08W5	BE	-	12-25-034-09W5	BE	-	D	SG	0	0	168.3	7.90	9,510		33.44	33.44			-	-	-	-	-	-	-
Burnt Timber	59599	1		14-06-035-08W5	BE	-	12-06-035-08W5	BE	-	D	SG	0	0	168.3	6.40	730		35.00	35.00			-	-	-	-	-	-	-
Burnt Timber	59599	2		12-06-035-08W5	BE	-	10-36-034-09W5	BE	-	D	SG	0	0	168.3	5.60	1,750		35.00	35.00			-	-	-	-	-	-	-
Burnt Timber	59599	3		06-36-034-09W5	BE	-	03-36-034-09W5	BE	-	D	SG	0	0	168.3	5.60	450		35.00	35.00			-	-	-	-	-	-	-
Burnt Timber	59599	4		14-25-034-09W5	BE	-	12-25-034-09W5	BE	-	D	SG	0	0	168.3	5.60	470		35.00	35.00			-	-	-	-	-	-	-
Burnt Timber	59599	5		10-36-034-09W5	BE	-	06-36-034-09W5	BE	-	D	SG	0	0	168.3	5.60	340		35.00	35.00			-	-	-	-	-	-	-
Burnt Timber	59599	6		03-36-034-09W5	BE	-	14-25-034-09W5	BE	-	D	SG	0	0	168.3	5.60	430		35.00	35.00			-	-	-	-	-	-	-
Burnt Timber	19971	1		12-25-034-09W5	BE		12-25-034-09W5	BE		D	FG	0		60.3	5.50	80		0.00				-	-	-	-	-	-	-
Burnt Timber	19971	4		12-06-035-08W5	BE		14-06-035-08W5	BE		D	FG	0		60.3	3.20	730		0.00				-	-	-	-	-	-	-
Burnt Timber	19971	5		12-25-034-09W5	BE		12-06-035-08W5	BE		D	FG	0		60.3	3.20	3,460		0.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	23045	12		06-25-036-13W5	BE		06-25-036-13W5	BE		D	FG	0		60.3	3.90	400		0.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	23046	12		11-12-035-11W5	BE		11-12-035-11W5	BE		D	SG	0		219.1	9.53	50		3.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	23046	2		06-32-035-12W5	BE		06-32-035-12W5	BE		D	SG	0		114.3	5.56	50		3.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	23046	4		04-28-035-12W5	BE		04-28-035-12W5	BE		D	SG	0		168.3	7.92	50		3.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	23046	6		14-07-035-11W5	BE		14-07-035-11W5	BE		D	SG	0		114.3	5.56	50		3.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	23046	8		01-34-034-11W5	BE		01-34-034-11W5	BE		D	SG	0		88.9	5.49	50		3.00				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	26527	2		06-25-036-13W5	BE		06-25-036-13W5	BE		D	SG	0		168.3	7.10	400		4.20				-	-	-	-	-	-	-
Clearwater, Ram River, Tay	44658	2		16-34-036-10W5	BE		11-02-037-10W5	BE		D	SG	0		219.1	7.90	3,200		40.00				-	-	-	-	-	-	-

Legend:

B - Battery BE - Blind End CS - Compressor Station GPP - Gas Processing Plant MRS - Meter/Regulator Station

PIERIDAE ALBERTA PRODUCTION LTD.
Pieridae Ram River Southern Foothills Facility Asset

Facility ID	Facility License Number	Location	Licensed Name	Facility Type	Status	Operated By	Maximum Release Volume (m³)	Setback Level	IIZ (m)	PAZ (m)	EPZ (m)
ABBT0060524		16-23-028-08W5	CAN 88 BENJAMIN 16-23	Battery	Suspended	Pieridae Alberta Production Ltd.	-	-	-	-	-
ABBT0044611		16-28-028-08W5	BP HUSKY BENJAMIN 16-28-28-8 WFT	Battery	Active	Pieridae Alberta Production Ltd.	4169	Level 3	1330	3130	3690
ABBT0064406	F31779	16-28-028-08W5	HUSKY BENJAMIN CREEK 16-28	Battery	Active	Canlin Resources Partnership	4169	Level 3	1330	3130	3690
ABC50004056	F4056	12-08-029-07W5	HUSKY OIL OPERATIONS LIMITED	Compressor station	Active	Pieridae Alberta Production Ltd.	6394	Level 4	1340	3200	3760
ABC50146929	F25496	12-18-030-07W5	IKKUMA RESOURCES CORP.	Compressor station	Active	Pieridae Alberta Production Ltd.	6646	Level 4	1350	3210	3770
ABIF0009468	F25496	12-18-030-07W5	HUSKY BURNT TIMBER 12-18	Injection plant	Suspended	Husky Oil Operations Limited	-	-	-	-	-
ABBT0128378	F25496	12-18-030-07W5	HUSKY BENJAMIN 12-18	Battery	Suspended	Husky Oil Operations Limited	-	-	-	-	-
ABGS0006315	F25496	12-18-030-07W5	HUSKY BURNT TIMBER 12-18	Gas gathering system	Active	Canlin Resources Partnership	6646	Level 4	1350	3210	3770
ABBT0044617		06-23-033-07W5	NEL CAROLINE 06-23	Battery	Suspended	Pieridae Alberta Production Ltd.	-	-	-	-	-
ABBT0107821	W 0381601	14-06-035-08W5	HUSKY RICINUS 14-06 GAS SWB	Battery	Suspended	Pieridae Alberta Production Ltd.	-	-	-	-	-
ABBT0089596	F35020	11-17-035-08W5	EMM RICINUS 11-17	Battery	Suspended	Pieridae Alberta Production Ltd.	-	-	-	-	-
ABBT0044506	W 0150347	15-29-035-08W5	NEL RICINUS 15-29	Battery	Suspended	Pieridae Alberta Production Ltd.	-	-	-	-	-
ABC50027031	F27031	11-33-035-10W5	HUSKY OIL OPERATIONS LIMITED	Compressor station	Active	Pieridae Alberta Production Ltd.	-	-	-	-	-
ABBT5660002	F5191	16-17-035-11W5	SHELL CLEARWATER 16-17	Battery	Active	Pieridae Alberta Production Ltd.	5640	Level 3	230	720	840
ABC50028715	F28715	16-17-035-11W5	SHELL CANADA LIMITED	Compressor station	Active	Pieridae Alberta Production Ltd.	5640	Level 3	230	720	840
ABC50028719	F28719	03-32-035-12W5	SHELL CANADA LIMITED	Compressor station	Active	Pieridae Alberta Production Ltd.	877	Level 2	180	540	640
ABBT0128353	F6207	04-02-037-10W5	HUSKY RICINUS COMPRESSOR STATION 6-2	Battery	Active	Pieridae Alberta Production Ltd.	10413	Level 4	1380	4390	5250
ABGS0002287		06-02-037-10W5	HUSKY RAM RIVER 6-2	Gas gathering system	Active	Pieridae Alberta Production Ltd.	30110	Level 4	1800	5750	6880
ABGS0128518	F25911	11-02-037-10W5	HUSKY BENJAMIN 11-02 GGS	Gas gathering system	Active	Canlin Resources Partnership	3392	Level 3	620	1600	1870
ABBT0084827	W 0310959	03-05-037-10W5	TAY SINGLE WELL BATTERY	Battery	Active	Pieridae Alberta Production Ltd.	5240	Level 3	1340	3500	4140
ABC5006211	F6211	14-16-037-14W5	SHELL CANADA LIMITED	Compressor station	Active	Pieridae Alberta Production Ltd.	2352	Level 3	240	710	840

Comments:

-The EPZ for a facility that handles or processes sour fluids is the largest EPZ of any pipeline entering or leaving the facility. (Reference: AER Directive 071, February 2017, Section 3.2.5)

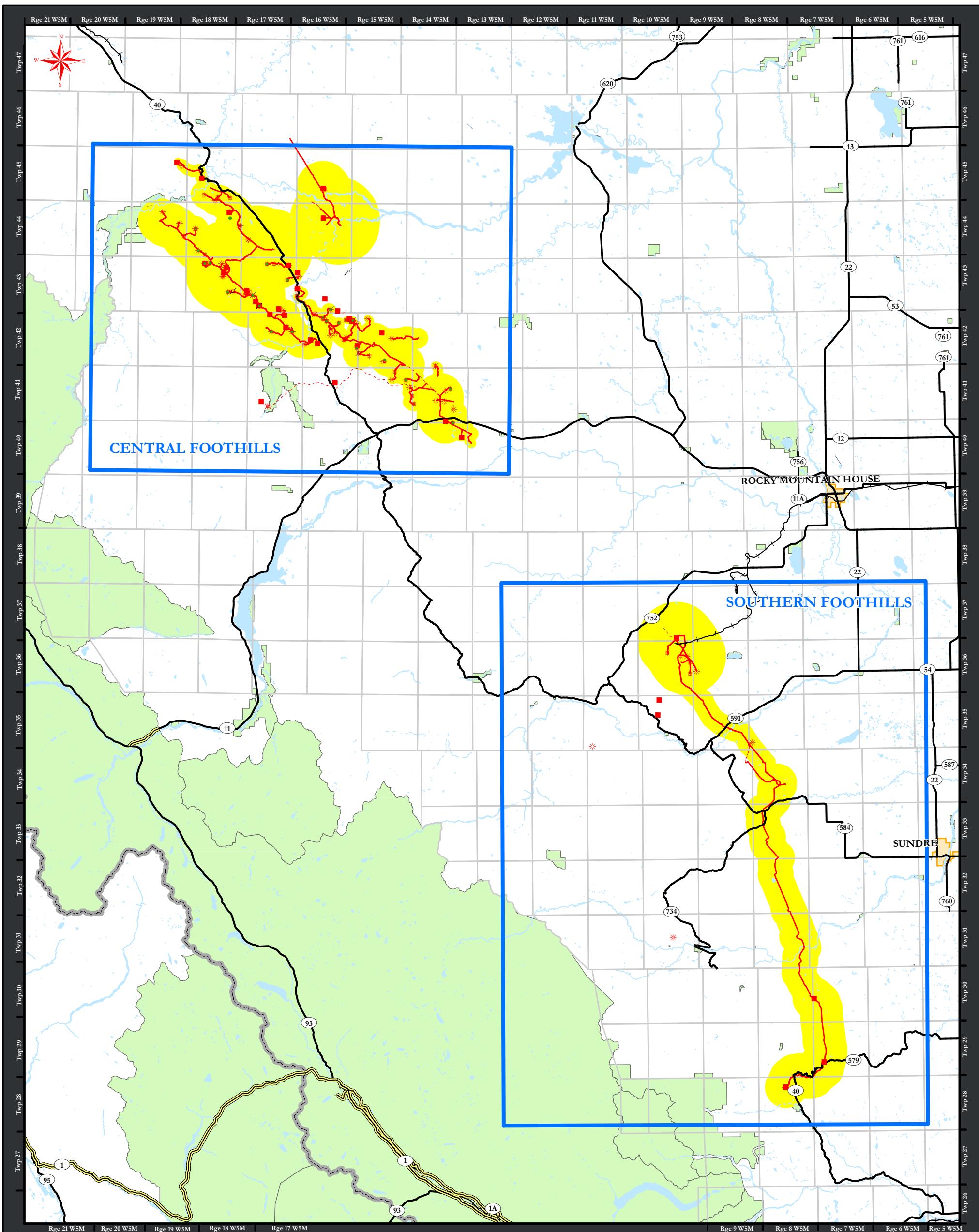
**FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN
Maps**

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

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FOOTHILLS RAM RIVER



Draft Date: January 26, 2018 SP Scale: 1:650,000 Map: 6933

Revision Date: May 20, 2020 FSC UTM ZONE 11 NAD83

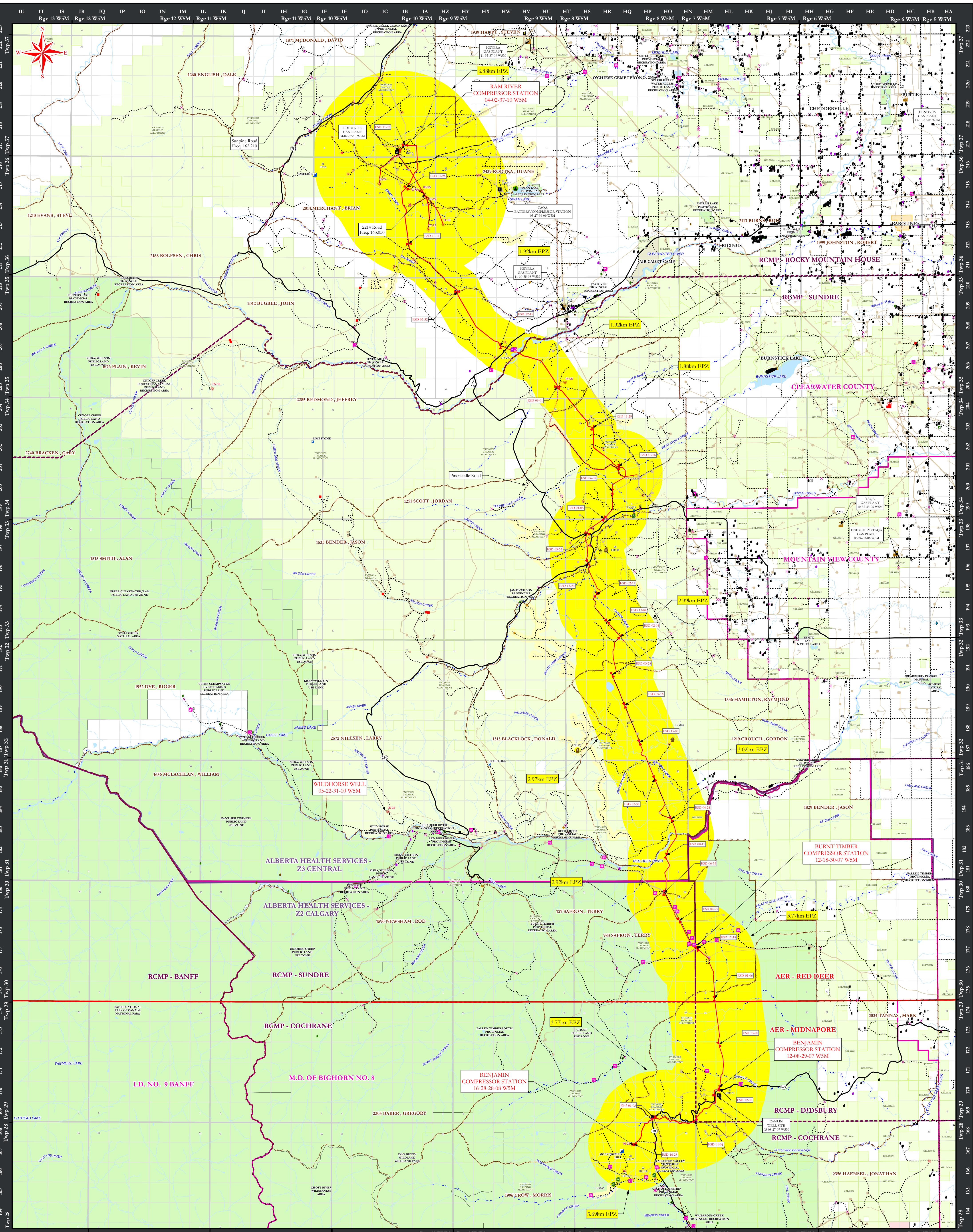
0 10 20 30 40 (km)

MAP PRODUCED BY
H2Safety
h2safety.ca

AREA OVERVIEW MAP



- Gas Well
- Suspended Gas Well
- Oil Well
- Suspended Oil Well
- Injection Well
- Suspended Well
- Facility
- Gas Pipeline
- Discontinued Gas Pipeline
- Discontinued Oil Pipeline
- Main Hwy
- Divided Hwy
- Railway
- Airfield
- Waterbody
- Urban Area
- Protected Area
- EPZ
- Foothills Ram River ERP



SOUTHERN FOOTILLS FIELD

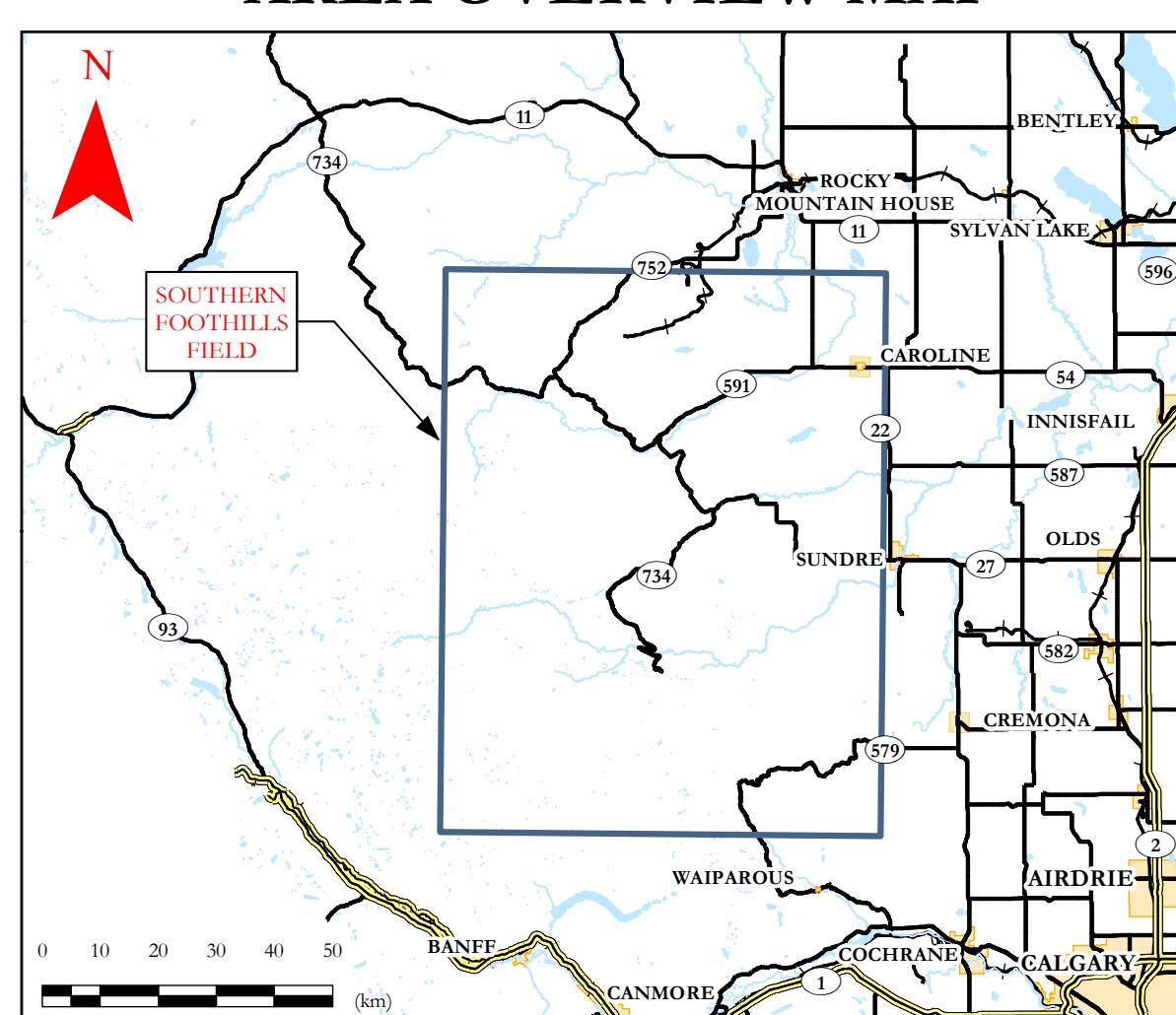


Draft Date: January 15, 2018 SP Scale 1:160,000 Map: 32

Revision Date: May 22, 2020 FSC UTM ZONE 11 NAD83

0 1 2 3 4 5 10 15 (km)

AREA OVERVIEW MAP



- | | |
|---------------------------|-------------------------|
| Third Party Well | Other Roads |
| Gas Well | Main Hwy |
| Suspended Gas Well | Divided Hwy |
| Third Party Facility | Railway |
| Third Party Gas Plant | Airfield |
| Facility | WCSS Control Point |
| Gas Plant | Occupied |
| ESDs | Vacant |
| Third Party Pipeline | Cemetery |
| Gas Pipeline | Church |
| Discontinued Gas Pipeline | Fire Lookout |
| Discontinued Oil Pipeline | Hall |
| | Organized Camp |
| | Occupied Facility |
| | Public Use |
| | Trapper Cabin |
| | Abandoned |
| | Airstrip |
| | Air Monitor |
| | Bridge |
| | Bridge Out |
| | Communication Tower |
| | Dead End |
| | Evacuation Centre |
| | Farm Use Area |
| | Gravel Pit |
| | Helicopter Pad |
| | Locked Gate |
| | Power Station |
| | Recreation Area |
| | Rifle Range |
| | Road Blocked |
| | Security Gate |
| | Staging Area |
| | Washout |
| | Waste |
| | River Flow Direction |
| | Hydrology |
| | Waterbody |
| | Urban Area |
| | Grazing Lease/Allotment |
| | Protected Area |
| | First Nations Reserve |
| | Military Reserve |
| | AER Field Centre |
| | Alberta Health Services |
| | Local Authority |
| | RCMP |
| | Trapper Boundary |
| | Resident Quadrant |
| | Number i.e. HO188 |
| | EPZ |
| | Egress EPZ |

SOUTHERN FOOTHILLS - BURNT TIMBER Field Access

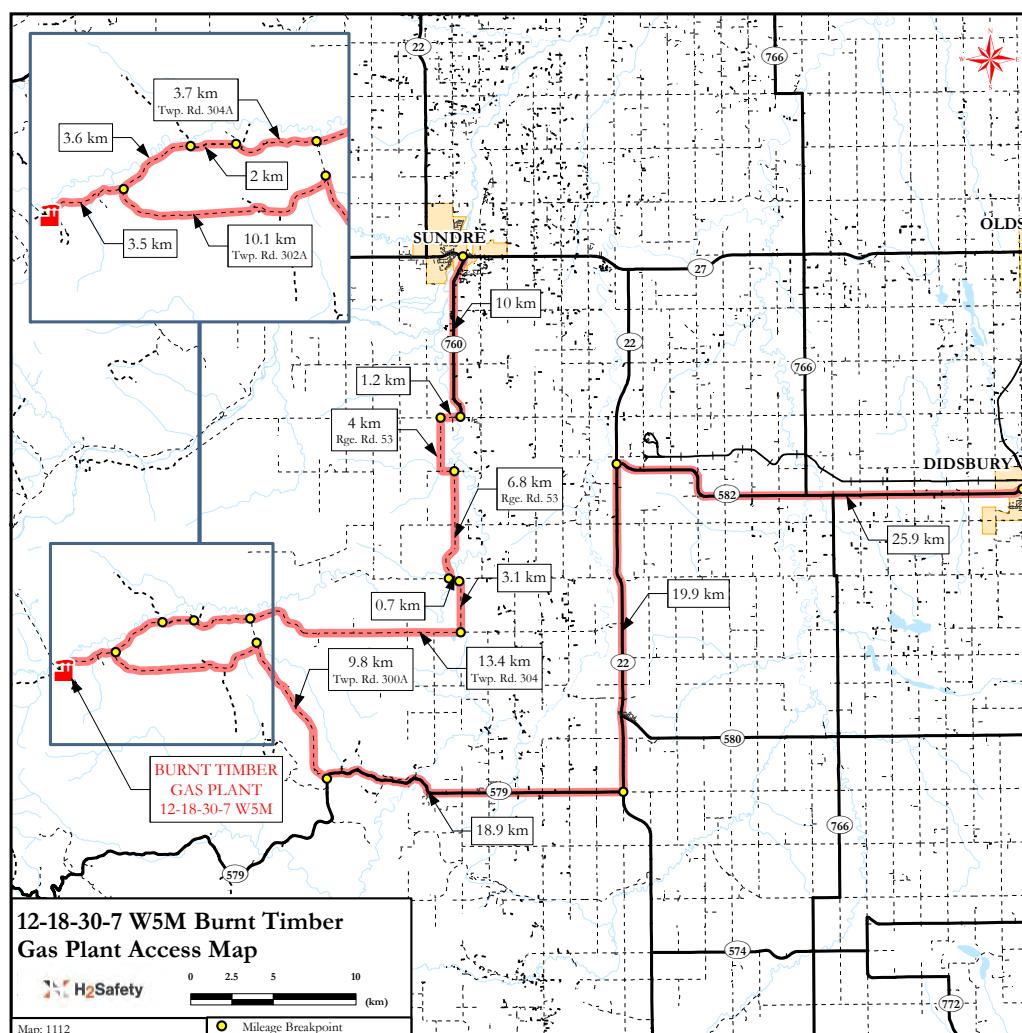
DIRECTIONS TO THE BURNT TIMBER 12-18-30-07 W5M GAS PLANT

To access the Burnt Timber 12-18 Gas Plant, from Highway 582 in Didsbury, AB:

- Travel west on Highway 582 for 25.9 km.
- Turn south (left) onto Highway 22 and travel for 19.9 km.
- Turn west (right) onto Highway 579 and travel for 18.9 km.
- Turn northwest (right) onto Twp. Rd. 300A for 9.8 km.
- Turn left onto Twp. Rd. 302A and travel 10.1 km.
- Turn left at the T intersection and travel 3.6 km to the Burnt Timber Gas Plant 12-18-30-07 W5M.

To access the Burnt Timber 12-18 Gas Plant, from the intersection of Highways 27 and 760 in Sundre, AB:

- Travel south on Highway 760 for 10 km.
- Turn west (right) and travel 1.2 km.
- Turn south (left) onto Rge. Rd. 53 and travel for 14.6 km.
- Turn west (right) onto Twp. Rd. 304 and travel for 13.4 km. Continue on Twp. Rd. 304A for 12.8 km to reach the Burnt Timber Gas Plant 12-18-30-07 W5M.

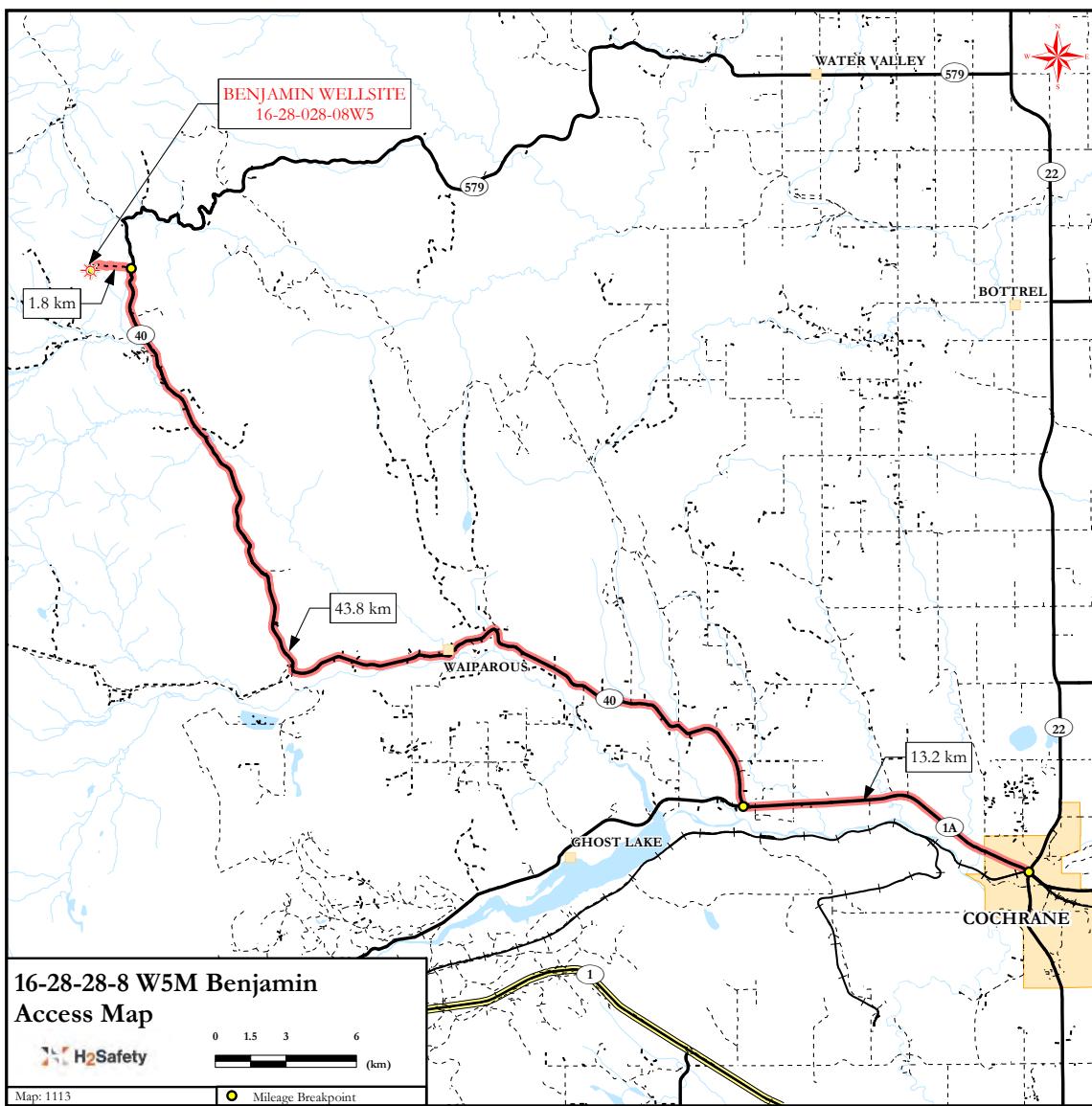


SOUTHERN FOOTHILLS - BURNT TIMBER Field Access

DIRECTIONS TO THE BENJAMIN WELL SITE 16-28-28-08 W5M

To access the Benjamin 16-28 wellsite, from the intersection of Highway 1A and Highway 22 in Cochrane, Alberta:

- Travel northwest on Highway 1A for approximately 13.2 km.
- Turn north (right) on Highway 40 and travel northwest for approximately 43.8 km.
- Turn west (left) at the red gate onto the well access road and travel approximately 1.8 km to the Pieridae Benjamin 16-28 wellsite.



SOUTHERN FOOTHILLS - BURNT TIMBER Field Access

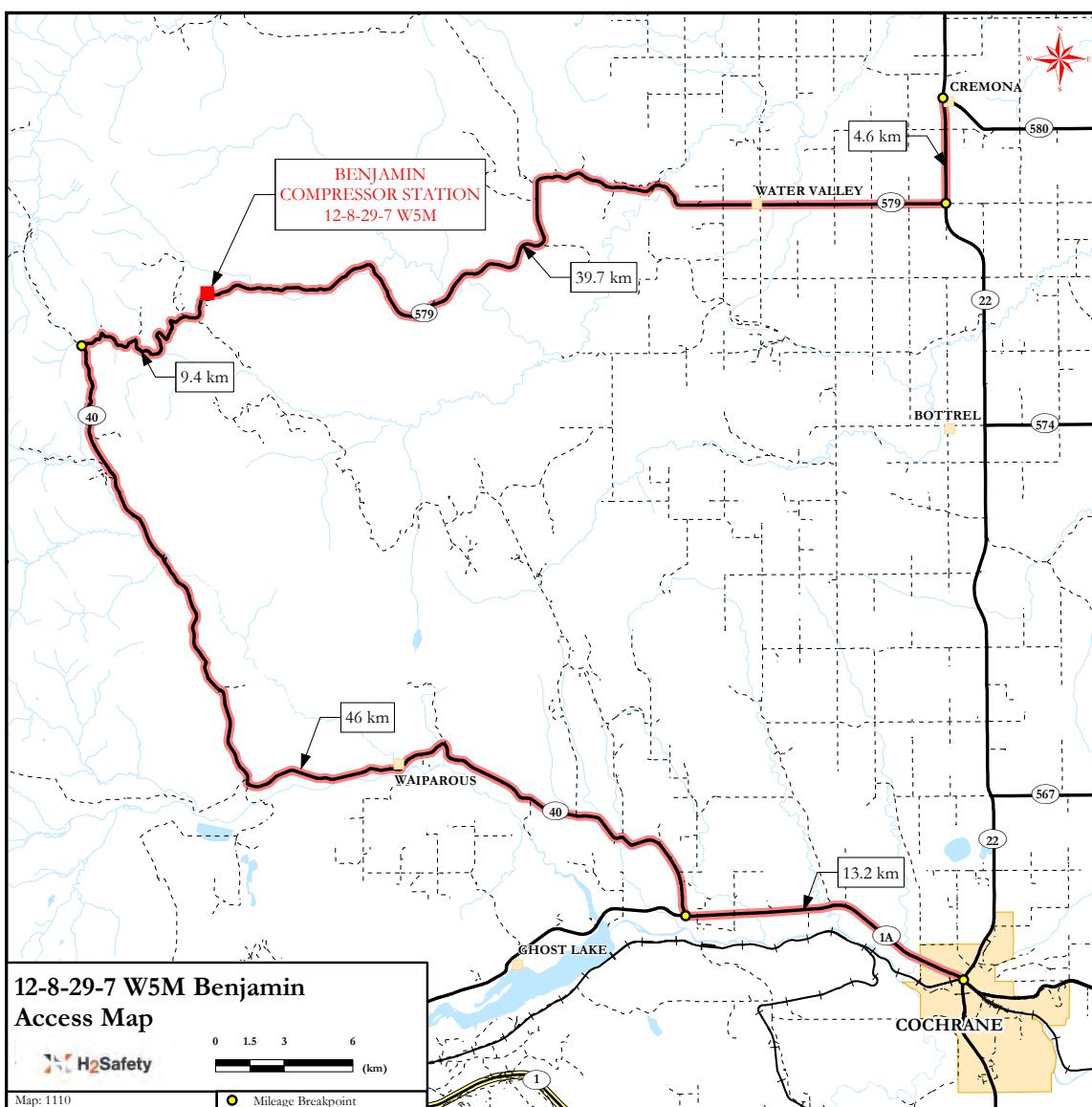
DIRECTIONS TO THE BENJAMIN 12-08-29-07 W5M COMPRESSOR

To access the Benjamin 12-08 Compressor, from the intersection of Highway 1A and Highway 22 in Cochrane, Alberta:

- Travel northwest on Highway 1A for approximately 13.2 km.
- Turn north (right) onto Highway 40 and travel northwest for approximately 46.0 km.
- Turn east (right) on Highway 579 and travel for 9.4 km, passing the red gate to reach the 12-08 Benjamin Compressor.

To access the Benjamin 12-08 Compressor, from the intersection of Highway 22 and Highway 580 in Cremona, Alberta:

- Travel south on Highway 22 for approximately 4.6 km.
- Turn west (right) on Highway 579 and travel for 39.7 km to the 12-08 Benjamin Compressor.



SOUTHERN FOOTHILLS - BURNT TIMBER Field Access

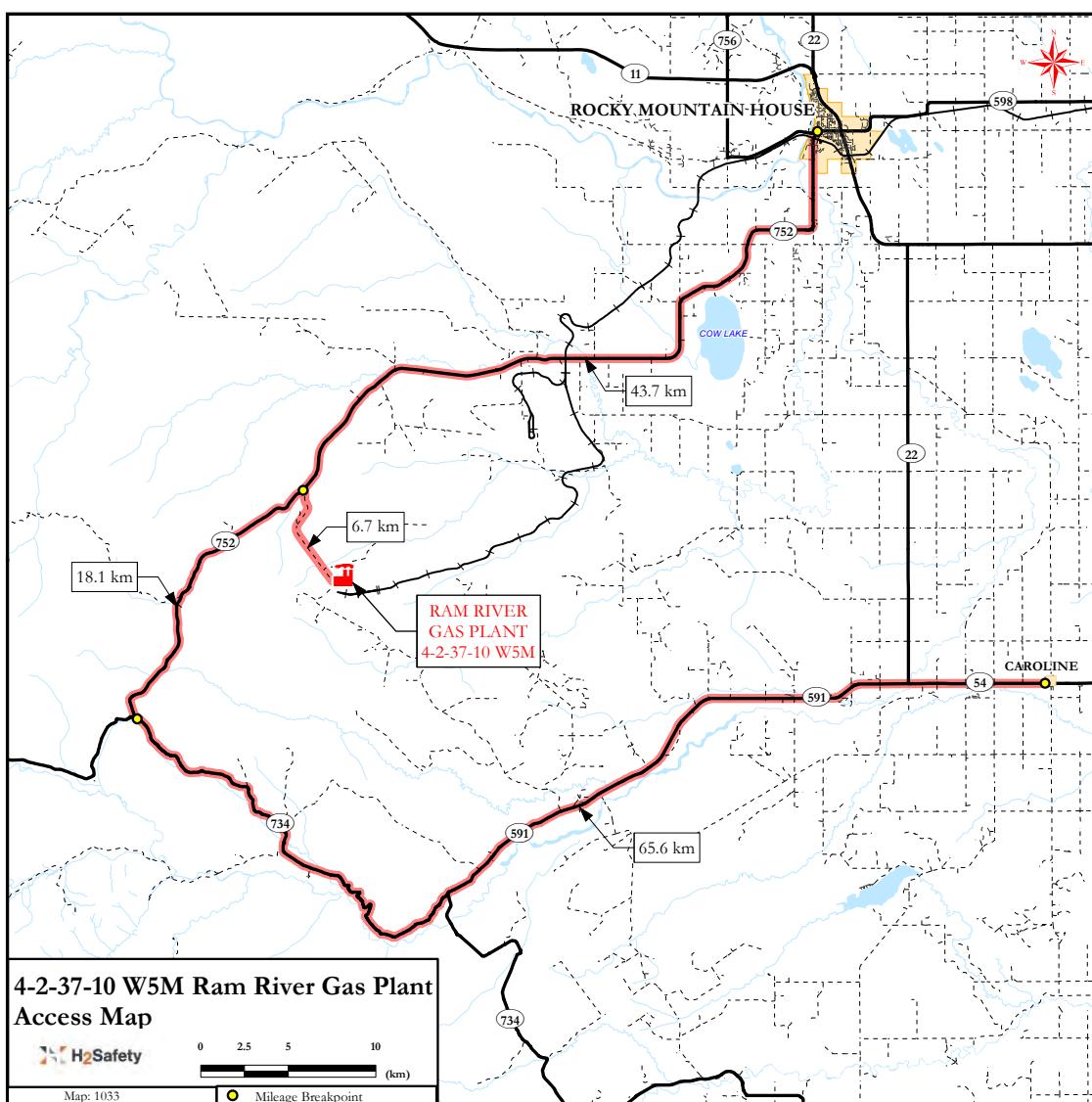
DIRECTIONS TO THE RAM RIVER PLANT 04-02-37-10 W5M

To access the Ram River Plant, from the intersection of Highway 752 and Highway 598 in Rocky Mountain House, Alberta:

- Travel southwest on Highway 752 for approximately 43.7 km to the Ram River turnoff.
- Turn south (left) onto a gravel access road and travel for approximately 6.7 km to the 04-02-37-10 W5M Ram River Plant.

To access the Ram River Plant, from Highway 54 in Caroline, Alberta:

- Travel southwest on Highway 591 and continue onto Highway 734 for approximately 65.6 km.
- Turn northeast (right) and continue on Highway 752 for 18.1 km.
- Turn south (right) and travel for 6.7 km to the Ram River Plant.



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Directory

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Directory

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

4.1 Response Team

4.1.1 Corporate Responders

CAROLINE			
Office	Address/Location	Office Phone	
Pieridae Caroline Complex	PO Bag 500 Caroline, AB T0M 0M0	Control Room	403-722-7100
		24 Hour Emergency:	403-722-7101
Pieridae Shantz Operations SW 35-31-4 W5M	Box 40 Cremona, AB T0M 0R0	General Inquiries (Office hours only)	403-722-7049
Pieridae Calgary Office 24-Hour Emergency Number		1-866-267-5298	
Facilities			
Caroline Gas Plant 12-34-34-6 W5M		403-722-7100	
Caroline Central Compressor Station 16-33-34-5 W5M		403-638-3007 403-638-3008	
Caroline North Compressor Station 10-13-35-6 W5M		403-722-2057 403-722-2058	
Caroline South Compressor Station 12-18-34-4 W5M		403-638-3020 403-638-3012	
Limestone Compressor Station 5-12-33-10 W5M		403-638-4241	
South Clearwater Compressor Station 16-17-35-11 W5M		403-638-3791	
Stolberg Facility – Dehydrator Facility 02-03-41-14 W5M		587-798-1172	
Burnt Timber Facility – Compressor Station and Gas Gathering 12-18-30-07 W5M		403-637-0118 403-637-0165	

CORPORATE CALGARY OFFICE			
Pieridae Alberta Production Ltd.			
3100-308 4 Avenue SW, Calgary, AB T2P 0H7			
Bus: 403-261-5900; Fax: 403-261-5902			
Name	Position	Contact Number(s)	
Darcy Reding	Chief Operating Officer	403-351-5427	
Carolyn Normand	VP Operations	403-598-3188	
James Millar	Director, External Relations	403-776-7446	403-261-5902
Yvonne McLeod	VP Drilling, Completions & HSE	403-921-7744	



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

4.1.2 2020 On Call Management Support Personnel

2020 ON-CALL MANAGEMENT SUPPORT PERSONNEL

CAROLINE COMPLEX ON-CALL SCHEDULE: Revised Date: October 5, 2020

DATE	FIRST CALL
2-Sep-20	G
9-Sep-20	H
16-Sep-20	I
23-Sep-20	
30-Sep-20	A
7-Oct-20	B
14-Oct-20	C
21-Oct-20	D
28-Oct-20	E
4-Nov-20	F
11-Nov-20	G
18-Nov-20	H
25-Nov-20	I
2-Dec-20	
9-Dec-20	A
16-Dec-20	B
23-Dec-20	C
30-Dec-20	D
6-Jan-21	E
13-Jan-21	F
20-Jan-21	G
27-Jan-21	H
3-Feb-21	I
10-Feb-21	J
17-Feb-21	K
24-Feb-21	A
3-Mar-21	B
10-Mar-21	C

DATE	FIRST CALL
17-Mar-21	D
24-Mar-21	E
31-Mar-21	F
7-Apr-21	G
14-Apr-21	H
21-Apr-21	I
28-Apr-21	J
5-May-21	K
12-May-21	A
19-May-21	B
26-May-21	C
2-Jun-21	D
9-Jun-21	E
16-Jun-21	F
23-Jun-21	G
30-Jun-21	H
7-Jul-21	I
4-Jul-21	J
21-Jul-21	K
28-Jul-21	A
4-Aug-21	B
11-Aug-21	C
18-Aug-21	D
25-Aug-21	E
1-Sep-21	F
8-Sep-21	G
15-Sep-21	H
22-Sep-21	I
29-Sep-21	J

DATE	FIRST CALL
6-Oct-21	K
13-Oct-21	A
20-Oct-21	B
27-Oct-21	C
3-Nov-21	D
10-Nov-20	E
17-Nov-21	F
24-Nov-21	G
1-Dec-21	H
8-Dec-21	I
15-Dec-21	J
22-Dec-21	K
29-Dec-21	A
5-Jan-22	B
12-Jan-22	C
19-Jan-22	D
26-Jan-22	E
2-Feb-22	F
9-Feb-22	G
16-Feb-22	H
23-Feb-22	I
2-Mar-22	J
9-Mar-22	K
16-Mar-22	A
23-Mar-22	B
30-Mar-22	C
6-Apr-22	D
13-Apr-22	E
20-Apr-22	F



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

Primary ERP Personnel

#	NAME	HOME#	CELL#
A	Paul Smith	403-638-1452	
B	Mark Weiss	403-542-3004	
C	Lyle Dach	638-1044	636-0351
D	Jay Gwilliam	403-803-5731	
E	Clair Crosbie	335-8731	998-6376
F	Billy-Joe Jensen	638-8040	559-7373
G	Destin Heintz	403-352-3782	
H	Lonny MacKenzie	403-507-0606	
I	Mike Felker	403-556-5801	
J	Jordan Tarrant	403-370-4184	
K	Scott Ehm	780-719-5340	

Support ERP Personnel

NAME	Dept.	HOME#	Cell #
Karlee Overguard	Environmental	403-559-6585	
Thalia Aspeslet	Comm Affairs	403-808-6935	403-829-8094
Kali Larson	Waterton Comm Affairs	403-627-7282 kali.larson@pieridaeenergy.com	
Colin Anton	Jumping Pound Comm Affairs	403-463-5753 colin.anton@pieridaeenergy.com	
Roy Soderburg		403-999-1450	

*** Clearstream Office-Answering machine 403-932-9566

will advise of "Clearstream On Call"

The information in this document is "Company Confidential"

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN
Response Team

4.1.3 Central Alberta Business Contact Numbers

CENTRAL ALBERTA BUSINESS FIELD RESPONSE				
Name	Title/Position	Business	Cellphone	Alternate
CAROLINE				
BLOCK, Doug	Caroline Control Room	403-722-7100		
BLOCK, Steven	Caroline Control Room	403-722-7100		
BOWERMAN, Mark	Caroline Control Room	403-722-7100		
COAKWELL, Ken	Caroline Field Operations		403-638-7498	Radio: 4-A
DAINES, Logan	Caroline Control Room	403-722-7100		
GANJE, Dave	Caroline Control Room	403-722-7100		
GROVES, Lyle	Caroline Control Room	403-722-7100		
HIDER, Brent	Caroline Control Room	403-722-7100		
HOLINSKI, Tyler	Caroline Control Room	403-722-7100	403-638-6518	
JENSEN, Billy Joe	Field Supervisor		403-638-6494	
JINJOE, Tom	Caroline Control Room	403-722-7100		
JOHNSON, Earl	West Country Gas Field Operations / ERP Field Response	403-637-5611	403-895-3082	
KALLIS, Steve	West Country Gas Field Operations		403-636-0165	
KIRBY, Barry	Caroline Control Room	403-722-7100		
LEIS, Terry	Field Planner / ERP Field Response	403-637-6055	403-638-7328	
MASSE, Dean	West Country Gas Field Operations / ERP Field Response	403-637-5619	403-636-1460	
MOORE, Kyle	Caroline Control Room	403-722-7100		
MACKENZIE, Lonny	Instrumentation Shop		403-507-0606	



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

CENTRAL ALBERTA BUSINESS FIELD RESPONSE

Name	Title/Position	Business	Cellphone	Alternate
CAROLINE				
NORMAND, Carolyn	Manager, Central Engineering		403-598-3188	
PROUD, Ryan	West Country Field Operations	403-637-5619	403-636-0267	
RUSSELL, Doug	Car – CW Field Operations/ERP Field Response		403-638-4623	Radio: 2-A
STENHOUSE, Devin	Caroline Control Room	403-722-7100	403-357-7271	
STONE, Ivan	Caroline Field/ERP Field Response		403-638-1700	
STROCHER, Darren	Caroline Control Room	403-722-7100		
SWALLOW, Chris	Limestone Field Operator	403-637-5612		
TURVILLE, Robert	Limestone Field Operator	403-637-5619	403-556-5580	
URLACHER, Josh	Caroline Control Room	403-722-7100		
VAN VLAANDEREN, Hans	West Country Gas Field Planner	403-637-5601	403-638-6504	Radio: 2-A
WILSON, Randy	Caroline Control Room	403-722-7100	403-638-1764	
CENTRAL/SOUTHERN FOOTHILLS				
PRENEVOST, Trevor	Central Foothills Foreman		403-846-0526	
WEISS, Mark	Superintendent, Caroline/Shantz		403-638-8184	



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

CENTRAL ALBERTA BUSINESS FIELD RESPONSE

Name	Title/Position	Business	Cellphone	Alternate
ADDITIONAL SITE PERSONNEL				
DACH, Lyle	Millwright		403-636-0422	
DUKE, Tim	Planning		403-636-0172	Radio: 4-B
EHM, Scott	Field Inspector		780-719-5340	
FELKER, Mike	Electrician		403-507-5293	403-556-5801
FOSTER, Rob	Radio Trailer		403-850-0253	
MCNARY, Keith	WCG Planner	403-637-6005	403-556-0495	
MCQUISTON, Velda	Accounts Payable		403-844-7126	
MURPHY, Keith	Caroline Millwright		403-638-7721	403-224-2425
OVERGUARD, Karlee	Environmental		403-559-6585	
ROSE, Dan	S-02 CGC Instrumentation Office		403-638-6978	Radio: 4-A
ROSEVEAR, Monica	HSE Coordinator	403-722-7131		
TURNBULL, Dan	Scheduler		403-556-0585	
WEISS, Mark	Superintendent, Caroline/Shantz		403-638-8184	

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

CENTRAL ALBERTA BUSINESS FIELD RESPONSE

Name	Title/Position	Business	Cellphone	Alternate
SHANTZ				
ALLEN, Ron	Control Room	403-335-4400		
CAMPBELL, Cam		403-335-4400	403-507-3518	
DOWLER, Jason		403-335-4400		
GRIFFIN, Doug	Electrical Operations E	403-335-4400	403-507-3866	403-556-8641
GWILLIAM, Jay	Activity Coordinator	403-335-4400	403-803-5731	
KOLESNIK, David	Superintendent	403-335-4400	403-877-9190	Radio: 4-A
LEAVER, Rod	Control Room	403-335-4400		
MURPHY, Cliff	Control Room	403-335-4400	403-559-9991	
PAPKE, Kyle	Operations	403-335-4400		
SADLOWSKI, Evelyn	Control Room	403-335-4400	403-507-1573	
SMART, Tracy	Shantz Payroll - Admin	403-335-4400		
TANNAS, Brent	Shantz Control Room	403-335-4400	403-874-8119	

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Response Team

4.1.4 ERP ICS Roles and Training Team Matrix

Emergency Response Training Matrix																
Central Alberta																
Date last updated		6/14/2021												Participation in Tabletop and/or Exercise 'refresh' course attendance for three (3) years.		
ERP Roles <i>Expectation: Three persons per ICS role identified and fully trained</i> The required 3 per role are numbered (1,2 & 3) and are in bold text. Additional personnel may be trained in each role (shown in italics) however these are not included in metrics. Enter '1' when Complete		Awareness / Knowledge												Individual Status	Skill	
		WCSS Spill Review	ICS 100	ICS 200	ICS 300	Shelter in Place		Stakeholder Key Messages in Emergencies							Filled this role in a Tabletop	Filled role in an Exercise or Actual Emergency
Enter '1' when Complete -C / Required-R		C	R	C	R	C	R	C	R	C	R	C	R	%	Enter Date(s)	Enter Date(s)
Incident Commander/ Deputy IC																
1	Clair Crosbie	1	1	1	1	1	1	1	1	1	1	1	1	100%		
2	Billy-Joe Jensen	0	1	1	1	1	1	1	1	1	1	1	1	83%		
3	Lonny MacKenzie	0	1	1	1	1	1	1	1	1	1	1	1	100%		
Safety Officer																
1	Monica Rosevear	0	1	0	1		1		1		1		1	0%		
2	Tim Duke	0	1	1	1	1	1	1	1	1	1	0	1	67%		
3	Brent Tannas	0	1	1	1	1	1	1	1	0	0	0	0	75%		
Liaison Officer																
1	Karlee Overgaard	0	1	1	1	1	1	1	1	1	1	1	1	83%		
3	Jennifer Evans	0	1	1	1	1	1	1	1	1	1	1	1	83%		
2	Thalia Aspleset	0	1	1	1	1	1	1	1	1	1	1	1	67%		
Public Information Officer																
1	Jennifer Evans	0	1	1	1	1	1	1	1	1	1	1	1	83%		
2	Debbie Coakwell	0	1	1	1	1	1	1	1	1	1	1	1	83%		
3	Thalia Aspleset	0	1	1	1	1	1	1	1	1	1	1	1	83%		
Operations Section Chief																
1	Lee Pederson	0	1	1	1	1	1	1	1	1	1	1	1	80%		
2	Earl Johnson	0	1	1	1	1	1	1	1	1	1	1	1	80%		
Public Safety Group Supervisor																
1	Billy Joe Jensen	0	1	1	1	1	1	1	1	1	1	1	1	80%		
2	Earl Johnson	0	1	1	1	1	1	1	1	1	1	1	1	80%		
4	Chris Swallow	0	1	0	1	1	1	1	1	1	1	1	1	60%		
5	Jay Gwilliam	0	1	1	1	1	1	1	1	1	1	1	1	80%		
Public Notification Team																
1	Debbie Coakwell	0	1	1	1	1	1	1	1	1	1	1	1	80%		
2	Velda McQuiston	0	1	1	1	0	1		1	1	1	1	1	60%		
3	Jennifer Evans	0	1	1	1	1	1		1	1	1	1	1	80%		
Roadblock Team																
1	Hans Vanvlanderen	0	1	1	1	1	1	1	1	1	1	1	1	75%		
2	Keith McNary	0	1	1	1	1	1	1	1	1	1	1	1	75%		
3	Ken Coakwell	0	1	1	1	1	1	1	1	1	1	1	1	75%		
Evac/Search Team																
1	Doug Russell	0	1	1	1	1	1		1	1	1	1	1	80%		
2	Hans VanVlaanderen	0	1	1	1	1	1		1	1	1	1	1	80%		
3	Ken Coakwell	0	1	1	1	1	1		1	1	1	1	1	80%		
Reception Center Team																
1	Velda McQuiston	0	1	1	1	0	1		1		1	1	1	50%		
2	Shannon Willsie	0	1	1	1	1	1		1		1	1	1	75%		
3	Deb Coakwell	0	1	1	1	0	1		1		1	1	1	50%		
Source Control Group Supervisor																
1	Roy Soderburg	0	1	1	1	1	1		1		1	1	1	67%		
2	Earl Johnson	0	1	1	1	1	1		1		1	1	1	67%		
3	Ken Coakwell	0	1	1	1	1	1		1		1	1	1	67%		
Tactical Control Unit Leader																
1	Ken Coakwell	0	1	1	1	1	1		1		1		1	67%		
2	Terry Leis	0	1	1	1	1	1		1		1		1	67%		
3	Rob Turville	0	1	1	1	1	1		1		1		1	67%		
Staging Area Manager																
1	Clair Crosbie	0	1	1	1	1	1		1		1		1	67%		
2	Dan Turnbull	0	1	1	1	1	1		1		1		1	67%		
Logistics Section Chief																
1	Hans VanVlaanderen	1	1	1	1	1	1	1	1	1	1	1	1	100%		
2	Tim Duke	0	1	1	1	1	1	1	1	1	1	1	1	75%		
3	Sandra Rose	1	1	1	1	1	1	1	1	1	1	1	1	100%		
Planning Section Chief																
1	Tim Duke	0	1	1	1	1	1	1	1	1	1	1	1	75%		
2	Destin Heintz	0	1	1	1	1	1	1	1	1	1	1	1	75%		
3	Sandra Rose	0	1	1	1	1	1	1	1	1	1	1	1	100%		
Documentation Unit Leader																
1	Jill Taylor	0	1	1	1	1	1	1	1	1	1	1	1	67%		
3	Shannon Willsie	0	1	1	1	1	1	1	1	1	1	1	1	67%		
Situation Unit Leader																
1	Dan Turnbull	0	1	1	1		1		1		1		1	50%		
2	Clair Crosbie	0	1	1	1		1		1		1		1	50%		
3	Karen Gosselin	0	1	1	1		1		1		1		1	100%		

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2 Government Agencies

4.2.1 Emergency Services

AGENCY NAME	AGENCY LOCATION	CONTACT NUMBER(S)
Police		
RCMP Cochrane Detachment (Southern Foothills)	Cochrane	911 or 403-932-2211
RCMP Didsbury Detachment (Southern Foothills)	Didsbury	911 or 403-335-3382
RCMP Edson Detachment (Central Foothills)	Edson	911 or 780-723-8822
RCMP Hinton Detachment (Central Foothills)	Hinton	911 or 780-865-2455
RCMP Rocky Mountain House Detachment (Central & Southern Foothills)	Rocky Mountain House	911 or 403-845-2882
RCMP Sundre Detachment (Southern Foothills)	Sundre	911 or 403-638-3675
Fire		
Caroline	Caroline	911
Cochrane	Cochrane	911
Didsbury	Didsbury	911
Drayton Valley	Drayton Valley	911
Rocky Mountain House	Rocky Mountain House	911
Sundre	Sundre	911
Ambulance / EMS		
Emergency Medical Services (EMS)	All Areas	911
STARS – Shock Trauma Air Rescue Society	Province-Wide	Emergency: 1-888-888-4567 or 403-299-0932
Hospitals		
Cochrane Community Health Centre	Cochrane	403-851-6171
Didsbury Hospital	Didsbury	403-335-9393
Drayton Valley Hospital & Care Centre	Drayton Valley	780-542-5321
Rocky Mountain House Hospital	Rocky Mountain House	403-845-3347
Sundre Hospital	Sundre	403-638-3033
Red Deer Regional Hospital	Red Deer	403-343-4422

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN
Government Agencies

AGENCY NAME	AGENCY LOCATION	CONTACT NUMBER(S)
Clinics		
Caroline Medical Clinic	Caroline	403-722-4055
Didsbury District Health Services	Didsbury	403-335-9393
Rocky Medical Clinic	Rocky Mountain House	403-845-2815
Greenwood Family Physicians	Sundre	403-638-2424

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2.2 Primary Government Notifications

Agency Name	Agency Location	Contact Number(s) 24-Hour Emergency
Immediate contact to the following agency if:		
<ul style="list-style-type: none"> ➤ Any Level 1, 2 or 3 Emergency 		

To report an energy or environmental emergency or complaint		
Alberta Energy Regulator (AER)	24-Hour Response Line	1-800-222-6514
	Drayton Valley Field Centre	780-542-5182
	Medicine Hat Field Centre	780-542-5182
	Red Deer Field Centre	403-340-3454

In addition to the AER, make immediate contact to the following agencies if:

- Level 1 Emergency – if the public or media is contacted
- Any Level 2 or 3 Emergency

Mountain View County (All areas)	Didsbury	403-335-3311 After hours on-call: 403-586-8800
Clearwater County (Caroline, WCG & Central and Southern Foothills) 24 Hour Emergency Office	Rocky Mountain House	403-844-8500 403-845-4444
Yellowhead County (Central Foothills)	Yellowhead County	780-723-4800
MD of Bighorn (Southern Foothills)	MD of Bighorn	403-673-3611
Alberta Health Services	Alberta-Wide 24 Hour Emergency Notification	1-844-755-1788
	E-mail	nz.erp@ahs.ca
	Emergency e-mail	edp@ahs.ca

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2.3 Other Government Agency Contacts

AGENCY NAME	AGENCY LOCATION	CONTACT / NUMBER(S)
Local Authority		
Mountain View County	Didsbury	403-335-3311 After Hours: 403-586-8800 Fax: 403-335-9207
Director of Emergency Management – Ryan Morrison		403-335-3311 ext. 169 Cell: 403-586-0040
Deputy Director of Emergency Services – Kevin Heppler		Cell: 403-994-0834
Clearwater County (Central and Southern Foothills) 24 Hour Emergency Office	Rocky Mountain House	403-844-8500 403-845-4444 Fax: 403-845-7330
Director, Emergency Services – Christine Heggart		Cell: 403-895-9895
Fire Chief – Steve Debienne		Cell: 403-846-7342
MD of Bighorn (Southern Foothills)	MD of Bighorn	Admin: 403-673-3611
Director of Emergency Management - Rick Lyster		Office: 403-678-8451
Yellowhead County (Central Foothills)	Yellowhead County	Admin: 780-723-4800
Director of Protective Services / Fire Chief - Albert Bahri		Office: 780-723-3221
Town Offices		
Town of Didsbury	Didsbury	403-335-3391 Fax: 403-335-9794
Disaster Services		Office: 403-507-4850
Town of Rocky Mountain House (Central & Southern Foothills)	Rocky Mountain House	403-845-2866
CAO – Dean Krause		403-845-2866 Ext. 267
Director of Corporate Services – Betty Quinlan		403-845-2866 Ext. 262
Town of Sundre	Sundre	403-638-3551 Fax 403-638-2100
On-call Emergency		403-638-7350
Disaster Services – Kevin Heerema		Cell: 403-638-8154
Alberta Emergency Management Agency (AEMA)		
Central Region – 24 Hour	Province Wide	1-866-618-2362
Emergency Management Field Officer – Brian Boutin	Red Deer	Cell: 403-506-7450
South Central Region – 24 Hour (Southern Foothills)	Province Wide	1-866-618-2362



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

AGENCY NAME	AGENCY LOCATION	CONTACT / NUMBER(S)
Emergency Management Field Officer – Randy Tiller	Calgary	403-297-6470 Cell: 403-815-9665
North Central Region – 24 Hour (Central Foothills)	Province Wide	1-866-618-2362
Emergency Management Field Officer - Mark Pickford	Edmonton	Cell: 780-999-3812
Transportation of Dangerous Goods		
Emergency Response Assistance Corporations (ERAC) <i>NOTE: Pieridae's Emergency Response Assistance Plan Canada (ERAC) reference number under the LPGERC is "2-0010-507"</i>	Canada-Wide	ERAC Activation #: 1-800-265-0212 Office: 403-543-6090 Fax: 403-543-6099
Dam Breach		
Alberta Environment and Parks 24 Hour Environmental Emergency	Province-Wide	1-800-222-6514
Alberta Emergency Management Agency Coordination & Information Centre – 24hr	Province-Wide	1-866-618-2362
Alberta Environment and Parks (AEP)		
24 Hour Environmental Emergency	Province-Wide	1-800-222-6514
Southern Region	Calgary	403-297-7602
Central Region	Red Deer	403-340-7052
Fish and Wildlife	Rocky Mountain House	403-845-8250
	Cochrane	403-932-2388
	Drayton Valley	780-542-6616
	Red Deer	403-340-5142
	Sundre	403-638-3805
Land Management	Red Deer	403-340-5451
	Rocky Mountain House	403-845-8272
Report a Poacher	Province – Wide Telus Mobility	1-800-642-3800 #3800
Alberta Agriculture and Forestry		
24 Hour Emergency	Province-Wide	1-800-222-6514
Forest Protection		
Forest Protection	Bow Forest Area	403-297-8800
	Bow Crow Forest Duty Desk	403-297-8822
	Rocky Mountain House Fire Centre	403-845-8243
	Rocky Forest Area Office Fire Centre	403-845-8243 403-845-8266

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

AGENCY NAME	AGENCY LOCATION	CONTACT / NUMBER(S)
	Edmonton	780-427-6807
	Rocky Mountain House	403-845-8266
	Sundre Ranger Station	403-638-3805
	Calgary Area/District Office Duty Room (All Week)	403-297-8800 403-297-8828 403-297-8822
Fire Bans	Province-Wide	1-866-394-FIRE (3473)
Forestry – Report a Wildfire	Province-Wide Telus Mobility	310-FIRE (3473) #3473
Transportation		
Alberta Transportation	Coordination & Information Centre Province-Wide	1-800-272-9600
Alberta Highway Services Ltd.	Wetaskiwin south to Airdrie	403-340-5166
Workplace Health & Safety		
Worker's Compensation Board (WCB)	Province-Wide	1-866-922-9221
Alberta Employment and Immigration, Occupational Health and Safety	Province-Wide	1-866-415-8690
Safety Authority		
Alberta Boiler Safety Association	Edmonton	780-437-9100
	Red Deer	403-341-6677
	Calgary	403-291-7070
Alberta Municipal Affairs Electrical Safety	Province-Wide	1-866-421-6929
Aboriginal Bands/Reservations		
O'Chiese First Nation	Box 1570 Rocky Mountain House	403-989-3943
Sunchild First Nation	Box 747 Rocky Mountain House	403-989-3740
Stoney Nakoda Nation Chiniki First Nation Bearspaw First Nation Wesley First Nation Stoney First Nation	Stoney Tribal Administration Box 40, Morley	403-881-3770
Indigenous and Northern Affairs		
Indigenous and Northern Affairs – Alberta Region	Edmonton	780-495-2773
Indigenous and Northern Affairs Canada	Ottawa	1-800-567-9604
Other		
Canadian Association of Petroleum Producers (CAPP)	Calgary	403-267-1100
Canadian Fuel Association	Toronto	416-492-5677



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

AGENCY NAME	AGENCY LOCATION	CONTACT / NUMBER(S)
	Ottawa	613-232-3709
	Calgary	403-266-7565
Alberta Municipal Affairs (AMA)	Edmonton	780-427-2732
Prairie & Arctic Storm Prediction Centre	Edmonton	780-951-8902
Canadian Chemical Producers Association (CCPA)	Office: Press zero for Immediate assistance	613-237-6215

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2.4 Reception Centres (Public Evacuation)

RECEPTION CENTRE		
Kurt Browning Arena	5103-48 Ave, Box 267 Caroline, AB	403-722-3022
Day / Office Contacts		
Debbie Northcott		403-722-3022
After Hours Contacts		
Debbie Northcott		Res: 403-722-2214 Cell: 403-895-2214
ALTERNATE RECEPTION CENTRES		
Sundre Arena	#1, 101 – 2 Avenue NW Sundre, AB	403-638-3177
Contacts		
Jim Hall, Superintendent Public Works		403-638-4707
Main Contact for Access Key: Town of Sundre		403-638-3551 On-Call: 403-586-3408
Kevin Heerema, Director of Disaster Services		403-638-8154
Lou Soppit Community Centre	4733 - 54 Street, Rocky Mountain House, AB	Admin: 403-845-3720 Fax: 403-845-3230
Contacts		
Rodger Smolnicky		Cell: 403-895-0758
Nordegg Lodge	1 Stuart Street, Nordegg, AB	Admin: 403-721-3757
Contacts		
Karen Baker		Cell: 403-846-1645
PECO Inn - Lodgepole, AB (SW 01- 27-46-14 W5M)	Elk River Road Km 33	Bus: 780-894-3555
Contacts		
Rocky Thronsdson		Office: 780-542-4748
Canalta Inn	4406 - 41 Avenue, Rocky Mountain House, AB	866-846-0087 Fax: 403-845-323
Cremona Hotel	106 - 2 Street W, Cremona, AB	Admin: 403-637-3923
Super 8 Motel	11 Westside Drive, Cochrane AB	403-932-1410

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2.5 Other Command Centres

TYPE	LOCATION
Incident Command Post (ICP)	Pieridae Caroline Plant
Local Emergency Operations Centre (LEOC)	If required determined at time of incident
Crisis Management Centre	Pieridae Head Office, Calgary
AER Field Centre	Red Deer

4.2.6 Other Area Operators

NAME	CONTACT NUMBER(S)
Sundre Petroleum Operators Group (SPOG)	
24 Hour Emergency 9:00 AM – 4:30 PM	1-800-567-0818 403-638-5117
Clearwater Mutual Aid Coop (CMAC)	
24 Hour Emergency	1-866-950-2622
Industry Members	
AltaGas	Dale Nylund 403-335-7576
Bighorn Energy Corporation	1-866-400-8560
Bonavista Energy Corporation	1-866-971-8317
Bonavista Petroleum Ltd.	Eric Reed 403-466-8476
Canadian Natural Resources Ltd.	1-888-878-3700
Canlin Energy	Jennifer Cummings 403-351-9250 1-866-409-2744
Carrick Petroleum Inc.	403-263-5055
Cenovus Energy	1-877-458-8080
Enerchem International Inc.	403-638-4210
Enerplus Energy Ltd.	1-877-576-5636
Exxon Mobil / Imperial Oil	587-476-3602
Exxon Mobil Canada Energy	1-866-232-9563
Harvest Operations	Jeff Stephenson 403-233-6669
Imperial Oil Resources	877-304-8725
Insignia Energy	Andrew Hoblak 403-536-8160
Keyera Energy	Darrell Papuschak 403-844-1698 1-866-377-7110
Mancal Energy Inc.	1-866-221-2984
Orlen Upstream Canada Ltd.	1-866-835-6132
Pembina Pipeline Corp.	403-718-1574
Persist Oil & Gas Inc.	1-877-668-9779
Petrus Resources Ltd.	1-877-880-3984

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

NAME		CONTACT NUMBER(S)
Pieridae Energy	Thalia Aspeslet	587-392-9415
Plains Midstream	Ryan Neish	403-304-4417 1-866-875-2554
Repsol Oil & Gas Canada		403-237-1234
Ridgeback Resources Inc.		1-866-413-7800
Sabre Energy Ltd.		1-866-307-0171
Shell Canada Ltd.		1-800-661-7378
Sitka Exploration	Mike Mathers	403-304-6890
Suncor Energy Inc.		403-296-3000
TAQA North	Brad Bouchard	403-559-7238 1-800-216-8062
TC Energy	Catie O'Neal	587-439-7820 1-888-982-7222
Tidewater Midstream & Infrastructure*		1-866-544-9875
Timber Rock Energy	Covy Holland	403-444-6509
Tourmaline Oil Corp.		1-877-504-4252
Whitecap Resources Inc.		1-866-590-5289

* There are tie-ins between PIERIDAE and the above stated companies. PIERIDAE's ERP does not cover emergencies for other operators.

Other Area Operators

Fortis Alberta 24 Hour Emergency Calls	1-866-717-3113 403-310-9473
Sundre Forest Products Inc. Sundre Mill	403-638-3772

Forest Management Units

Spray Lakes Sawmills (1980) Ltd. - Cochrane	403-932-2234
Sundre Forest Products Inc. - Sundre	1-888-478-6373
West Fraser Mills Ltd. - Edson	780-723-3977
West Fraser Mills Ltd. - Hinton	780-865-2251
Weyerhaeuser Company Ltd. - Drayton Valley	780-621-9491
Weyerhaeuser Company Ltd. - Edson	780-723-6963

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2.7 Recreation Areas

NAME	CONTACT NUMBER(S)
Central Foothills	
Beaverdam Provincial Park	403-721-3975
Blackstone Provincial Park	403-721-3975
Brazeau Canyon Wildland Park	780-865-8395
Brazeau River Provincial Park	780-865-2154
Brown Creek Provincial Park	780-865-2154
Harlech Provincial Recreation Area	403-721-3975
Marshybank Ecological Reserve	403-865-8395
Wapiabi Provincial Recreation Area	403-845-8349
Southern Foothills	
Ghost Airstrip Provincial Recreation Area	587-830-2198
Waiparous Valley Viewpoint Provincial Recreation Area	403-678-0760
Public Facility	
Mountain Aire Lodge	403-637-2229
Panther River Adventures	403-637-2920
Grazing Reserves	
GRL31798 (Red Deer River Ranches)	403-638-4226
Grazing Allotment	
PNT930177, PNT930223 PNT930250, PNT930252 PNT930258, PNT940122 PNT940144, PNT940208 PNT940215, PNT970083 (Lands Division - Rocky West Office)	403-845-8240
PNT930171, PNT930253, PNT930256, PNT940127 PNT940133, PNT940134 PNT940204 (Alberta Environment & Parks)	403-297-8800

4.2.8 Schools

NAME	LOCATION	CONTACT NUMBER(S)
Chinook's Edge School Division No. 73		
Cremona School, K-12	Cremona	403-637-3856
Rossford Elementary School, K-4	Didsbury	403-335-3234
Westglen School, 5-8	Didsbury	403-335-8700
Didsbury High School, 9-12	Didsbury	403-335-3356
Didsbury Career High School, 10-12	Didsbury	403-335-3407
Bowden Grandview School, K-12	Bowden	403-224-3250
River Valley School, K-8	Sundre	403-638-3939

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

NAME	LOCATION	CONTACT NUMBER(S)
Sundre High School, 9-12	Sundre	403-638-4545
Sundre Learning Centre, 9-12	Sundre	403-638-4545
Wild Rose School Division No. 66		
Kootenay School, 6-9	Rocky Mountain House	403-845-2142
Locearn Elementary School, K-5	Rocky Mountain House	403-845-3721
Pioneer Middle School, 6-8	Rocky Mountain House	403-845-2468
West Central High School, 9-12	Rocky Mountain House	403-845-3711
Visions West Outreach, 10-12	Rocky Mountain House	403-844-2355
Ecole Rocky Elementary, K-5	Rocky Mountain House	403-845-3541
Caroline School, K-12	Caroline	403-722-3833

4.2.9 School Divisions/Buses

NAME	24 HOUR EMERGENCY	BUSINESS
Chinooks Edge School Division No 73 Transportation Department	Innisfail	403-227-7072 1-800-266-9573
Wild Rose School Division	Rocky Mountain House	403-845-3376 Transportation Dept.: 1-800-771-0537

4.2.10 Canada Energy Regulator (CER)

Canada Energy Regulator		
INCIDENT CONTACT NUMBERS	For all pipeline emergencies, call the Transportation Safety Board Hotline:	1-819-997-7887
	For all other emergencies related to a CER-regulated company's operations, facility or activity:	403-299-2773
CER Online Event Reporting System Single window pipeline notification for TSB & CER Access available through CER website		https://apps.cer-rec.gc.ca/ers/home/index
Organization	Emergency Hotline	Electronic
Transportation Safety Board of Canada	1-819-997-7887	Online Event Reporting System (OERS)

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

4.2.11 Canada

Government & Agency Contacts			
<i>Agency</i>	<i>Function</i>	<i>Area</i>	<i>Phone</i>
NAV Canada	Flight Information Center (NOTAM)	Edmonton	1-866-541-4102
Transport Canada	Dangerous Goods Emergency Reporting – CANUTEC	Canada-wide	1-888-CAN-UTEC (226-8832) 613-996-6666 666 from cellular
Environment and Climate Change Canada	Environmental Emergency	Alberta	1-800-222-6514
Environment Canada	Weather One-on-One	Canada-wide	1-900-565-5555 Charge applied



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Government Agencies

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

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8. Auto Rentals	4
9. Boats	4
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11. Bridges, Portable	5
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14. Drilling and Completion Consultants	5
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38. Safety Services	9
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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

4.3 Support

4.3.1 STARS Emergency Link Centre

**STARS
EMERGENCY LINK CENTRE**

1-888-888-4567
Information: 403-299-0932

If calling for an Ambulance, Police or Fire from a cellular telephone call the Emergency Link Centre. If calling from a landline, call directly to 911.

The STARS Emergency Link Centre is an advanced 24-hour communications centre providing one-call access to a variety of resources.

4.3.2 STARS Sites

Area	Site Registration #	Location
Caroline Gas Plant	358	Rural Address: 345082 Range Rd 6-1 12-34-34-6 W5M Latitude 51° 57 min 47.5 sec N Longitude 114° 45 min 33.3 sec W
Caroline Central Compressor	366	16-33-34-5 W5M Latitude 51° 58 min 05 sec N Longitude 114° 38 min 23 sec W
Caroline North Compressor	363	10-13-35-6-W5M Latitude 52° 00 min 24 sec N Longitude 114° 43 min 20 sec W
Caroline South Compressor	367	12-18-34-4 W5M Latitude 51° 55 min 10 sec N Longitude 114° 33 min 51 sec W

4.3.3 Satellite Phone

Satellite Phone	587-771-0514
Note: <i>Field Operators will have handheld Caroline radios for communicating with the Caroline Control Room.</i>	

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

4.3.4 Service Companies

1. Accommodations	
• Caroline	
• Caroline Motel, 5027 – 50 th Street	403-722-3000
• Caroline Gateway Motel, 4904 – 50 th Avenue	403-722-3322
• Didsbury	
• Didsbury Country Inn, 1714 – 20 th Avenue	403-335-8088
• Didsbury Motel, 1414 – 20 th Avenue	403-335-3159
• Didsbury Inn, 2014 – 19 th Avenue	403-601-5182
• Olds	
• Best Western, 4520 – 46 th Street	403-556-5900
• Ramada Inn and Suites, 500, 6700 – 46 th Street	403-507-8349
• Circle 5 Motel, 4513 – 52 nd Avenue	403-556-7755
• Pomeroy Inn & Suites at Olds College, 4601 – 46 Avenue	403-556-8815
• Rocky Mountain House	
• Best Western, 4407 – 41 st Avenue	403-844-3100
• Tamarak Motor Inn, 4904 – 45 th Street	403-845-5252
• Walking Eagle Inn & Lodge, 4819 – 45 th Street, Hwy 11	1 866-845-2131
• Sundre	
• Chinook Country Inn, 120 – 2 nd Street SW	403-638-3300
• The King's Motel, 701 Main Avenue West	403-638-2750
• Parkwood Motor Inn, 307 Main Avenue West	403-638-4424
• Sundre Hotel, 102 Centre Street South	403-638-3040
• Sundre Motor Inn, 101 – 3 rd Street SW	403-638-4440
• Sun Plaza Motel, 506 Main Avenue West	403-638-3516
2. Air Compressors	
• Finning Air Compressors, 24-Hour Rental Hotline	1-855-999-6751
• Hertz Equipment Rental, Rocky Mountain House	403- 845-7523
3. Aircraft	
• Alpine Helicopters, Calgary	403-291-3100
• Mountain View Helicopters, Calgary	403-286-7186
• L.R. Helicopters, Calgary	403-286-4601

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

FACILITIES (HELIPADS/AIRSTRIPS)

Sundre Airstrip

FN7 REF/N51° 46' 31" W 114° 40' 39"

Length – 4285' paved (3000' lighted and centreline-lights on thresholds)

Elevation – 3656'

Lights – Arcal 123.2 Type K

Nav. Aids – NDB-405-9G

Maintenance – limited

Flight Plan – Edmonton FIR

Contacts – County of Mountain View 403-335-3311

Myron Bignold – 403-638-7370

FACILITIES (HELIPADS/AIRSTRIPS)

Olds-Didsbury Airstrip

EA3 REF N51° 42' 43" W114° 06' 30"

Length – 2950' paved

Elevations – 3360'

Lights – Arcal 123.2 Type K

Nav. Aids – NDB Beacon K2 376

Maintenance – limited

Contact – Ruff May 403-335-3723 (Shop) 403-556-0074 (Cell)

4. Air Monitoring

COPY OF AIR MONITORING REPORTS TO GOVT AS REQUIRED CALLS FOR LEVEL 1-3

MOBILE DOWNDOWN AIR MONITORING UNITS

<ul style="list-style-type: none"> • A.D.A Monitors Inc., Red Deer <ul style="list-style-type: none"> ◦ 1 Mobile Air Monitoring Unit – Red Deer 	403-391-3616
<ul style="list-style-type: none"> • HSE Integrated <ul style="list-style-type: none"> ◦ 24 Hour Emergency ◦ Calgary ◦ Red Deer ◦ Ft. Saskatchewan ◦ Grande Prairie 	1-888-346-8260 403-266-1833 403-406-1777 780-998-2266 780-532-2088
<ul style="list-style-type: none"> ◦ 3 Mobile Air Monitoring Units – Red Deer ◦ 1 Mobile Air Monitoring Unit – Grande Prairie 	
<ul style="list-style-type: none"> • Firemaster Oilfield Services Inc. - 24 Hour, Red Deer <ul style="list-style-type: none"> ◦ 3 Mobile Air Monitoring Unit – Red Deer ◦ 1 Mobile Air Monitoring Unit – Grande Prairie 	403-342-7500 Toll Free: 1-877-342-FIRE

CONTINUOUS STATIONARY MONITORING

<ul style="list-style-type: none"> • Pieridae Caroline Control Room 	403-722-7100
<ul style="list-style-type: none"> • PAMZ Parkland Airshed Management Zone 	403-862-7046

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

5. Airpacks

- | | |
|----------------------------------|--------------|
| • Pieridae Caroline Complex | 403-722-7100 |
| • Pieridae Jumping Pound Complex | 403-932-2441 |

6. Animal Services

- | | |
|--|-----------------------------------|
| • Alberta Animal Services, Red Deer | 403-347-2388 |
| • Olds Pioneer Veterinary Centre, Olds | 403-556-6882 |
| • Pioneer Vet Services, Sundre | 403-638-3774 |
| • Central Alberta Humane Society, Red Deer | 403-342-7722
Fax: 403-341-3147 |

LIVESTOCK SERVICES

- | | |
|---|--------------------------------|
| • Innisfail Auction Market, Innisfail
Danny Daines | 403-227-3166
403-391-0580 |
| • Olds Auction Mart, Olds | 403-556-3655
1-877-556-3655 |

FEED LOTS

- | | |
|--|------------------------------|
| • Moores Feedlot Ltd., Olds
Kim Moore | 403-556-2725
403-559-7104 |
|--|------------------------------|

7. ATVs

- | | |
|--------------------------------|--------------|
| • Sports Rent, Calgary | 403-292-0077 |
| • KTM Rentals & Sales, Lacombe | 403-302-4105 |
| • Mountains Edge, Sundre | 403-638-3885 |

8. Auto Rentals

- | | |
|---|--|
| • Driving Force, Calgary | 1-800-936-9353 |
| • Enterprise Rent-A-Car
Red Deer
Calgary (Crowfoot Circle NW) | 403-347-5145
403-241-7053 |
| • Hildebrand Motors Ltd., Olds | 403-556-3371
Sales: 1-866-480-2546
Service: 1-866-596-0840 |
| • Avis Car Rentals, Calgary Intl Airport | 403-221-1700 |
| • National Car Rentals, Calgary
• Calgary International Airport | 1-833-619-3655 |

9. Boats

- | | |
|------------------------------------|--------------|
| • Sunsport Recreation, Sylvan Lake | 403-887-7368 |
| • All Season Motor Sports, Calgary | 403-204-1771 |

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

10. Booms	
• BMP Supplies, Calgary	1-855-422-0066 403-243-5973 Fax: 403-246-3428
• BMP Supplies, Surrey, BC	604-542-0222
• Pigmalion Environmental, Edmonton	1-800-387-7581
• Refer to WCSS Information – Spills Item	Emergency: 1-866-541-8888
11. Bridges, Portable	
• ERE Logistics, Okotoks	Cell: 403-369-0144 Fax: 403-938-6961
• Jimbob Rentals, Rocky Mountain House	1-866-845-3285
12. Buses (School and Commercial)	
• Rocky Mountain Charter, Sundre	403-638-8251
• Chinooks Edge School Division Transportation Dept., Innisfail	403-227-7072 1-800-266-9573
• Frontier Bus Line Ltd., Red Deer	403-347-4990 Toll free: 1-888-538-7287
• First Student Canada., Calgary	403-531-3930
• Wild Rose School Division, • Transportation, Rocky Mountain House	403-845-3376 1-866-771-0537
13. Communication Equipment	
• Rob Foster (Communication), Red Deer	403-343-2022
• Westcan Wireless, Edmonton, Calgary	1-800-794-3926
• 4L Communications Inc., Red Deer (Telus Dealer)	403-346-2355
• TELUS Communications Group, Red Deer	403-347-0777
• TELUS	310-3100 Toll free: 1-888-811-2323
14. Drilling and Completion Consultants	
• Behr Integrated Solutions Inc., Calgary	403-444-6940
15. Electrical and Instrumentation	
• Bighorn Electric and Controls Ltd., Sundre	403-638-3699
• ABB Inc. Calgary	403-806-1700
Rocky Mountain House	403-845-5404
Red Deer	403-347-0077
• Techmation Electric & Controls Ltd., Olds He	403-556-1517
• PTW Energy, Calgary	403-956-8600

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

16. Emergency Response Planners

- | | |
|---|--------------|
| <ul style="list-style-type: none"> • Behr Integrated Solutions Inc., Calgary | 403-444-6940 |
|---|--------------|

17. Environmental Spills and Services

(see also **SPILLS and HAZ MAT CONTRACTORS**)

SPILL CLEAN-UP AND REMEDIATION

<ul style="list-style-type: none"> • Tervita, Calgary <ul style="list-style-type: none"> • General Inquiries • Emergency 	1-855-837-8482 1-800-327-7455
<ul style="list-style-type: none"> • HSE Integrated, Calgary Western Canada 	403-266-1833 1-888-346-8260
<ul style="list-style-type: none"> • Worley – 24 Hour (equipment/advice), Calgary 	403-258-8000
<ul style="list-style-type: none"> • Enviro Hazmat <ul style="list-style-type: none"> ○ Responds to all classes of dangerous goods incidents – 24 Hour 	403-947-2245 Emergency: 403-236-4901 Toll free: 1-866-249-7583
<ul style="list-style-type: none"> • Western Canadian Spill Services <ul style="list-style-type: none"> ○ (See Spills for Site Specific Information) 	1-866-541-8888
<ul style="list-style-type: none"> • Western Canada Marine Response Corporation (24 Hour) 	604-294-6001

EXPERTISE / ADVICE / ASSISTANCE

<ul style="list-style-type: none"> • Matrix Solutions Inc., Calgary 	403-237-0606
<ul style="list-style-type: none"> • Envirotech Sales & Service, Nisku Len Brown 	Office: 780-352-5132 Cell: 780-919-1814
<ul style="list-style-type: none"> • Western Canadian Spill Services (On-call advisor) 	1-866-541-8888
<ul style="list-style-type: none"> • Eastern Canada Response Corporation – 24 Hour <ul style="list-style-type: none"> ○ Corunna, Ontario ○ Dartmouth, Nova Scotia ○ Quebec ○ Ottawa ○ Mt. Pearl, Newfoundland 	519-862-2281 902-461-9170 418-692-8989 613-230-7369 709-364-6600
<ul style="list-style-type: none"> • Cleartech Industries Inc., Saskatoon, SK <ul style="list-style-type: none"> ○ Chlorine emergency, advice and response ○ (Saskatchewan head office; plant responders in Calgary and Edmonton; main response teams in Saskatoon and Vancouver) 	24 Hour: 1-800-387-7503
<ul style="list-style-type: none"> • Nutrien, Calgary <ul style="list-style-type: none"> ○ Anhydrous Ammonia emergency, advice and response 	403-225-7000 1-800-667-0403

18. Equipment Rental

- | | |
|---|----------------|
| <ul style="list-style-type: none"> • Oil Boss Ltd., Rocky Mountain House | 403-845-6606 |
| <ul style="list-style-type: none"> • Action Equipment Rentals, Red Deer | 403-340-1700 |
| <ul style="list-style-type: none"> • Jimbobs Rentals (2000) Ltd., Rocky Mountain House | 1-866-845-3285 |

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

19. Fire Equipment and Response

• Firemaster Oilfield Services Ltd., Red Deer (24 Hour)	403-342-7500
• Safety Boss Calgary	1-800-882-4967
• HSE Integrated <ul style="list-style-type: none"> • Dispatch • Calgary 	1-888-346-8260 403-266-1833

20. Food Services

• Baron Family Restaurant, Caroline	403-722-2245
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21. General Oilfield Construction

• Flint Energy Services Inc., Calgary	587-318-0997
• AECOM	403-270-9200
• DBC Contractors Ltd., Airdrie	403-948-5991
• Al Saunders Contracting, Sundre AB	403-638-4261

Toll free: 1-888-638-4261

22. Hardware (Stores)

• Home Hardware <ul style="list-style-type: none"> Olds Rocky Mountain House Sundre 	403-556-2550 403-845-3550 403-638-3508
• Peavey Mart, Red Deer	403-346-6402
• Grainger Industrial Supply, Red Deer	1-888-602-0000
• Home Depot, Red Deer	403-358-7550

23. Hazardous Materials Contractors

(see also SPILLS and ENVIRONMENTAL SPILLS & SERVICES)

TERVITA

• Responds to all classes of dangerous goods incidents – 24 Hour	Emergency: 1-800-327-7455 General: 1-855-837-8482
--	--

ENVIRO HAZMAT EMERGENCY RESPONSE INC.

• Responds to all classes of dangerous goods incidents – 24 Hour	403-947-2245 1-866-249-7583
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CLEARTECH

• Chlorine emergency advice and response – 24 Hour	1-800-387-7503
--	----------------

24. Hose

• AR Thompson, Red Deer	403-341-4511
• ERIKS Industrial Services, Edmonton	780-437-1260
• Grainger Industrial Supply, Red Deer	1-888-602-0000

25. Hot Water / Steam Units

• Capital Pressure Ltd., Sundre – 24 Hour	403-638-2256
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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

26. Laboratories	
• ALS Environmental, Calgary	Office: 403-407-1800 After hours: 403-651-1471
• Bureau Veritas, Edmonton, Environmental Services Laboratory	780-577-7100 or 465-1212 1-800-386-7247
• KaizenLab, Calgary – 24 Hour	403-297-0868
27. Labourers	
• ClearStream Energy Services, Calgary	587-318-0997
28. Livestock Transportation	
• Glen's Livestock Hauling, Caroline	403-845-8022
• Copperhead Transport Ltd., Carstairs	403-335-4299
29. Maintenance Contractors	
• CBM Projects Inc., Calgary	403-270-3444
30. Media	
• B-94/CHBW FM (94.5), Rocky Mountain House	403-844-9450
• CKGY Radio (95.5), Red Deer	Main Office: 403-348-0955
• CK-FM Radio (96.5), Olds	403-556-2628
• CTV Calgary, Calgary	403-240-5600
• Global TV, Calgary	403-235-7777
• Calgary Herald, Calgary	403-235-7433
• News Room	403-235-7100
• Main	
• Red Deer Advocate, Red Deer	403-314-4333
• News Room	403-343-2400
• Main	
• Email: editorial@reddeeradvocate.com	
31. Oilfield Supplies	
• Outkast Oilfield Supply Inc., Sundre	403-638-3941
• Distribution NOW, Rocky Mountain House	403-845-2445
• MRC Global, Red Deer	403-343-1110
32. Pipeline Release Control	
• Williams Fire & Hazard Control – 24 Hour Emergency	1-409-727-2347
•	
33. Poison Control Centre	
• Poison and Drug Information Services (PADIS)	1-800-332-1414

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

34. Pumps	
• Quinn Pumps Canada Ltd., Red Deer	403-347-1128 Shop: 403-342-2802
• EC&M Electric, Calgary	403-720-2800
• CanDyne Pump Services Inc., Calgary	403-692-3000 Toll free: 1-866-831-3001
35. Railways	
CANADIAN NATIONAL RAILWAYS (CNR)	
• Emergency Response – CN Police – 24 Hour	1-800-465-9239
CANADIAN PACIFIC RAILWAY (CPR)	
• Emergency Response - Canadian Pacific Police –	24 Hour : 1-800-716-9132
36. Roadblocks	
• SPOG Sundre Petroleum Operators – 24 Hour Emergency	1-800-567-0818 Toll free: 1-888-878-2306
37. Road Maintenance	
• Al Saunders	403-638-4261
38. Safety Services	
• HSE Integrated, Dispatch	1-888-346-8260
• Calgary	403-266-1833
• Firemaster Oilfield Services, Red Deer	403-342-7500
• United Safety Ltd. – 24 Hour	1-800-432-1809
Airdrie	403-912-3690
• Safety Boss – 24 Hour	1-800-882-4967
Calgary	403-261-5075
39. Safety Supplies	
• Roc Tan Corporation, Rocky Mountain House	403-844-4214
• United Safety Ltd., Airdrie	403-912-3690 1-800-432-1809
• Trojan Safety Services Ltd., Calgary – 24 Hour	403-532-8620
• Sprouse Fire & Safety, Calgary	403-265-3891
Edmonton	Toll Free: 1-855-337-7776
40. Security	
• Service Masters Security, Red Deer	1-844-755-0544

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

41. Shelters

• ATCO Structure & Logistics Calgary	1-800-575-2826 403-292-7600
• Finning (Canada), Calgary Edmonton	403-275-3340 780-930-4900 1-888-346-6464
• Total Oilfield Rentals LP, Calgary	1-866-701-7700
• Willscot Modular Space Solutions	1-866-552-6135

42. Snow Removal

• AI Saunders	403-638-4261
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43. Sorbents

• Enviroguard Ltd., Calgary	403-235-6011
• EPI Products, Edmonton	780-413-6285
• BMP Supplies, Calgary	1-855-422-0066 403-243-5973

44. Spills

(see also **ENVIRONMENTAL SPILLS & SERVICES** and **HAZ MAT CONTRACTORS**)

WESTERN CANADIAN SPILL SERVICES (WCSS) www.wcss.ab.ca

• 24 Hour Emergency Contact	1-866-541-8888
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WCSS AREA CO-OP – ZONE 1 AREA P

• Proactive Environmental Kale Haupt ○ 52' OSCAR Trailer (semi-truck) ○ 16' Wildlife Trailer (1/2 ton truck w/ 2" ball hitch) ○ Work Boats (2) (1/2 ton truck w/ 2" ball hitch) ○ 40' Boom Cache Sea Can (winch tractor/trailer) ○ Hydraulic Drum Skimmer w/ Power-Pak and Pump (1/2-ton truck)	24-Hour: 403-203-3336 Cell: 780-514-9858 Toll Free: 1-877-471-3336
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WCSS AREA CO-OP – ZONE 2 AREA H

• Challand Excavating Ltd Clint Challand ○ 20' ISRU Sea Can (winch tractor/trailer)	24-Hour: 403-845-2469 Fax: 403-845-4844 Cell: 403-845-0018
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WCSS AREA CO-OP – ZONE 2 AREA M

• Contracting & Consulting Inc AI Saunders Kent Saunders (alternate contact) ○ 24' ISRU Trailer (1-ton truck w/ 2-5/16" ball hitch)	24-Hour: 403-638-4261 403-638-8111
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WCSS AREA CO-OP – ZONE 3 AREA G

• Calvin Hlushak Hell Hounds Hauling Bay 27, 5616 - 58 Avenue, Drayton Valley, AB) ○ 20' ISRU Sea Can (winch tractor/trailer)	780-621-6301
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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

WCSS AREA CO-OP – ZONE 6 AREA E

<ul style="list-style-type: none"> Pembina Pipelines Pembina Valleyview Pump Station 12-10-69-22-W5M 12 km south of Valleyview, on Highway 43. <ul style="list-style-type: none"> ○ 20' ISRU Sea Can (winch tractor/trailer) 	24 Hr. 780- 524-3938 (Main) Cell: 780-301-0020 2nd Contact: Dwayne Jones 780-524-3392 ext. 2844 Cell: 780-524-8877
---	--

45. Sulphur Transport Trucking

<ul style="list-style-type: none"> RBS Bulk Systems, Calgary 	403-248-1530
<ul style="list-style-type: none"> Westcan, Edmonton 	780-742-6633 1-800-661-2855

46. Tanks

<ul style="list-style-type: none"> Calmena Energy Services, Calgary 	403-225-3879
<ul style="list-style-type: none"> Evergreen Energy Tank Rentals Ltd., Red Deer 	403-309-5509
<ul style="list-style-type: none"> Precision Rentals, Calgary 	403-716-4500
<ul style="list-style-type: none"> Foothills Tank Rentals Ltd., Rocky Mountain House 	24 Hour: 403-845-4040
<ul style="list-style-type: none"> Wylie Oilfield Rentals, Calgary 	403-265-6364
<ul style="list-style-type: none"> Apex Oilfield Services (2000) Ltd., Red Deer 	Toll Free: 1-877-347-1628

47. Toilet Facilities

<ul style="list-style-type: none"> Jimbobs Rentals 2000 Ltd., Rocky Mountain House 	403-845-3285
<ul style="list-style-type: none"> Little Jon's Portable Toilet Rentals, Red Deer 	403-342-6198
<ul style="list-style-type: none"> Zinger Light Tower & Office Trailer Rentals, Rocky Mountain House – 24 Hour 	780-898-2210
<ul style="list-style-type: none"> Our Can Co., Sundre 	403-638-9220

48. Transport Incident Support Organizations

<ul style="list-style-type: none"> Alberta Edge 24 Hour Emergency Contact 	1-800-272-9600
<ul style="list-style-type: none"> CANUTEC (Canadian Transport Emergency Centre) 	1-888-CAN-UTECH (226-8832) 613-996-6666
<ul style="list-style-type: none"> Emergency Response Assistance Canada (ERAC) NOTE: Pieridae's Emergency Response Assistance Plan Canada (ERAC) reference number under the LPGERAC is "2-0010-507" – Canada Wide 	ERAC Activation #: 1-800-265-0212 Office: 587-349-5880 Fax: 403-543-6099

49. Trucks

TRUCKS – HAULING/PICKER	
<ul style="list-style-type: none"> Duster Transport Ltd., Sundre 	403-638-7366
TRUCKS – TANK/VACUUM	
<ul style="list-style-type: none"> Kyncl Trucking, Airdrie 	403-556-2239
<ul style="list-style-type: none"> Millard Trucking Ltd., Sundre 	403-638-4500
<ul style="list-style-type: none"> Capital Pressure Oilfield Services, Sundre – 24 Hour 	403-638-2256

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Support

50. Underground Locating Services

• Alberta One Call,	Locate Requests Edmonton Calgary	1-800-242-3447 780-508-1010 403-245-7252
• Fuji Pipe Locators Ltd.		403-277-3300

51. Utilities

• FortisAlberta, Calgary – 24 Hour	310-WIRE (9473)
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52. Valves / Parts

• Distribution NOW, Calgary	403-531-5600
• Apex Distributor Services, Red Deer	403-346-3300

53. Water Reservoir Services

• AECOM, Calgary	403-254-3301
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54. Welders

• Bunch Welding, Rocky Mountain House	403-729-3335
• Dave Hovind Welding Ltd., Caroline	403-722-2685
• Eazy Welding & Inspection Services Ltd., Crossfield	403-946-5802

55. Well Blowout Control

BLOWOUT IGNITION SYSTEMS

• Firefly Critical Well Safety Equipment Ltd. – 24 Hour, Red Deer	403-342-1050
• Live Well Service, Nisku	780-955-2029
• Robco Pressure Services – 24 Hour, Red Deer	403-340-3400

BLOWOUT CONTROL

• Capstone Energy Services	1-866-347-3911
• Firemaster Oilfield Services, Red Deer – 24 Hour	403-342-7500
• Safety Boss	1-800-882-4967

56. Wellhead / Casing Vent Emergencies

• Cameron Canada Corporation <ul style="list-style-type: none"> • Calgary – 24 Hour • Edmonton – 24 Hour 	403-509-4000 780-434-3476
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Public

4.4 Public

4.4.1 Communication of Risk to Surrounding Communities

Central Alberta Business ERP/risk communication to the surrounding residents has been conducted year after year thru personal contact, open houses, community presentations and mock exercises. All of these events address hazards associated with the Pieridae facilities and response procedures for residents.

4.4.2 Public Data Summary

SURFACE DEVELOPMENTS

There are 7 residences in the Southern Foothills Area Emergency Planning Zone (EPZ). The total number of residents is ± 1330.

There are 3 industrial operators and 1 businesses, 3 public facilities, 0 government facilities, 3 trapper cabins and 0 structures related to special interest groups.

The number of surface developments/structures is 14

INDUSTRIAL OPERATORS

There are 14 industrial operators in the EPZ

NON-RESIDENT LAND USERS

There are 17 registered grazing allotments in the Emergency Planning Zone (EPZ).

There are 25 guide/outfitters in the Emergency Planning Zone (EPZ).

There are 16 registered traplines in the Emergency Planning Zone (EPZ).

Public facility – a public building such as a hospital, rural school, or major recreational facility, situated outside of an urban centre that can accommodate more than 50 individuals and/or that requires additional transportation to be provided during an evacuation.

Source: AER Directive 071: Emergency Preparedness and Response Requirements for the Petroleum Industry (November 2008) Appendix I.



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4.4.3 Resident Contact Information Confidential Package

Resident Contact Information Confidential Package

This confidential package contains detailed information on residents, public facility/ businesses, industrial operators, special interest groups, trappers and guiders. This information is for use in the event of an emergency. For privacy purposes, this information is included in copies that are held in Pieridae and AER Offices only.



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FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Public

Trappers

Trapper ID	Name	Emergency
127, 983	Terry Safron	403-357-4999
1219	Gordon Crouch	403-638-2239
1251	Jordan Scott	403-845-5181
1313	Donald Blacklock	403-274-6528
1535, 1829	Jason Bender	403-637-2700
1536	Raymond Hamilton	No # available
1871	David McDonald	403-846-3173
2012	John Bugbee	403-722-2332
2014	Brian Merchant	403-948-3879
2034	Mark Tannas	403-637-2198
2113	Rod Burns	403-722-2664
2285	Keith Wadams	403-845-4118
2356	John Haensel	403-863-5319
2439	Duane Rodtka	403-845-3509

Guides & Outfitters - WMUs 314, 316, 318, 324, 326, 412, 414 & 417

Company	Name	Phone
Alberta Big Horns Limited	Norman Turner	403-932-4918
Bear Canyon Outfitters Inc.	Larry Smith	780-834-0186
Chad Buziak		403-896-9495
Chez Outdoors Ltd.	Greg Semrau	403-995-0414
Deer Springs Outfitting	Phillip Kinch	403-932-6600
Jesse Dutchik	Jesse Dutchik	780-785-3539
Echo Canyon Outfitters Ltd.	Graham Perry	306-544-2733
James Fisher	James Fisher	403-845-6169
Lyn Friesen	Lyn Friesen	403-556-2223
Grease Creek Outfitters	Mark Tannas	403-637-2198
Guinn Outfitters Ltd.	Rick Guinn	403-591-7171
Happy Hunters Guiding & Outfitting	Les Webb	780-458-1267
Kelly Hooey	Kelly Hooey	403-844-2689
Integrity Outfitters Inc.	Shawn Schick	403-838-2383
Overall Outfitting/Big Bear	Steve Overguard	403-638-2735
Country Rattlesnake Outdoor	Ted Cherekpuk	403-379-2264
Consulting Rugged Outfitting	Grayson Bunnage	403-653-1565
Savage Bighorns Ltd.	Chad Lenz	403-844-7603
Brian Scott	Brian Scott	403-845-5209
South Ram Outfitters	Lorne Hindbo	403-844-6398
Tamarack Vista Outfitting	Dennis Hindbo	403-722-3641
Trophy Hunters Alberta Inc.	Tyler Brill	403-541-1009
Trophy Stalkers Inc.	Ross Kinch	403-932-6013
Jamie Williams	Jamie Williams	780-986-1859
Wolf Valley Outfitters	Jason Lee	403-335-6785

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Public

Grazing Reserve

Grazing Lease	Name	Emergency
GRL31798	Red Deer River Ranches	403-638-4226

Grazing Allotment

Grazing Allotment	Contact	Emergency
PNT930177, PNT930223, PNT930250, PNT930252, PNT930258, PNT940122 PNT940144, PNT940208, PNT940215, PNT970083	Lands Division - Rocky West Office	403-845-8240
PNT930171, PNT930253, PNT930256, PNT940127, PNT940133, PNT940134 PNT940204	Alberta Environment & Parks	403-297-8800



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

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Plan Distribution and Maintenance

Update/Revision Log - Corporate Sections 1-2

Refer to Core ERP for Revision Log information.

Update/Revision Log - Section 3-4

Date	Revision / Update	Details
June 15, 2021	New Plan	Convert ERP to new format

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN
Plan Distribution and Maintenance

Distribution List

Company	Recipient	Location	Copies				Manual No.
			Hard Copy Confidential	Hard Copy Non Confidential	Electronic Confidential	Electronic Non Confidential	
Corporate							
Pieridae Energy	Darcy Reding Chief Operating Officer	Calgary				✓	USB1
Pieridae Energy	Yvonne McLeod VP Drilling, Completions & HSE	Calgary	✓				1
Pieridae Energy	Petra Struck Sr. Engineering Technician	Calgary		✓		✓	2, USB2
Pieridae Energy	Alex Morash Development Engineer	Calgary		✓		✓	3, USB3
Pieridae Energy	Ken Scheirer Manager Development	Calgary		✓		✓	4, USB4
Pieridae Energy	Arne Hamarsnes Completions Manager	Calgary		✓		✓	5, USB5
Pieridae Energy	Leighanne Mohr HSE&R Manager	Calgary		✓		✓	6, USB6
Pieridae Energy	Thalia Aspeslet Community Liaison Officer	Calgary		✓			7
Total Corporate Distribution			1	5		6	
Field							
Pieridae Energy	Mark Weiss Superintendent, Caroline/Shantz	Central AB Foothills	✓		✓		8, USB7
Pieridae Energy	Trevor Prenevost Central Alberta Foreman	Central AB Foothills	✓		✓		9, USB8
Pieridae Energy	Stolberg Field Office	Central	✓		✓		10, USB9
Pieridae Energy	Burnt Timber Field Office	Central	✓		✓		11, USB10
Pieridae Energy	Chungo Field Office	Central	✓		✓		12, USB11
Pieridae Energy	Monica Rosevear HSE Coordinator			✓			13
Pieridae Energy	Caroline Gas Plant			✓			14

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Plan Distribution and Maintenance

Company	Recipient	Location	Copies				Manual No.
			Hard Copy Confidential	Hard Copy Non Confidential	Electronic Confidential	Electronic Non Confidential	
Pieridae Energy	Brandon Evans Contract Operator					✓	USB12
Pieridae Energy	Braedon Jameson Contract Operator					✓	USB13
Pieridae Energy	Bryan Proud Contract Operator					✓	USB14
Pieridae Energy	Chad Crouch Contract Field Maintenance					✓	USB15
Pieridae Energy	Charlie Othan Contract Operator					✓	USB16
Pieridae Energy	Clarke Dandridge Contract Operator					✓	USB17
Pieridae Energy	Dean Masse Operator					✓	USB18
Pieridae Energy	Devon Prins Operator					✓	USB19
Pieridae Energy	Don Cartwright Mechanic					✓	USB20
Pieridae Energy	Earl Johnson Operator					✓	USB21
Pieridae Energy	George Elliott Contract Operator					✓	USB22
Pieridae Energy	Glen Willsie Contract Operator					✓	USB23
Pieridae Energy	Hans VanVlaanderen Operator					✓	USB24
Pieridae Energy	Jackson Brousseau Mechanic					✓	USB25
Pieridae Energy	Jacob Lecerf Contract Operator					✓	USB26
Pieridae Energy	Kelly Black Contract Operator					✓	USB27

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Plan Distribution and Maintenance

Company	Recipient	Location	Copies				Manual No.
			Hard Copy Confidential	Hard Copy Non Confidential	Electronic Confidential	Electronic Non Confidential	
Pieridae Energy	Ken Coakwell Operator					✓	USB28
Pieridae Energy	Ken Trautmann Operator					✓	USB29
Pieridae Energy	Kyle Stefanyk Contract Instrumentation Technician					✓	USB30
Pieridae Energy	Lane Prins Contract Operator					✓	USB31
Pieridae Energy	Nick Lade Contract Instrumentation Technician					✓	USB32
Pieridae Energy	Rene Siegrist Operator					✓	USB33
Pieridae Energy	Rob Turville Contract Operator					✓	USB34
Pieridae Energy	Steve Kallis Operator					✓	USB35
Pieridae Energy	Terry Leis Contract Operator					✓	USB36
Total Field Distribution			5	2	5	25	

Government Agencies

AHS - Zone 2 Calgary	Dale Nelson Public Health Inspector	dale.nelson@ahs.ca				✓	Email
AHS - Zone 3 Central	David Brown Director	dave.b.brown@albertahealthservices.ca				✓	Email
AHS - Zone 5 North	Shane Hussey Director	nz.erp@ahs.ca				✓	Email
Clearwater County	Christine Heggert Director of Emergency Management					✓	USB37
M.D. of Bighorn	Rick Lyster Director of Emergency Management			✓			15

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Company	Recipient	Location	Copies				Manual No.
			Hard Copy Confidential	Hard Copy Non Confidential	Electronic Confidential	Electronic Non Confidential	
Yellowhead County	Albert Bahri Director of Protective Services					✓	USB38
RCMP Rocky Mountain House	NCO In Charge krockymountainhouseadmin@rcmp-grc.gc.ca	Rocky Mountain House				✓	Email
Total Government Agencies Distribution				1		6	

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Plan Distribution and Maintenance

Amendment Protocol

This Emergency Response Plan will be reviewed, validated and updated annually, or as required, by the Emergency Response Plan Advisor. After an incident or emergency there will be a debrief with all responders and appropriate Pieridae personnel. This will include identification of any deficiencies and recommendation of changes to the ERP that would improve the overall response to the emergency based on feedback from the responders using the ERP during the incident. All suggestions will be documented and discussed amongst Pieridae personnel and amendments will be made to the ERP if Pieridae feels they will improve future responses to incidents and emergencies.

All amendments will be distributed to each individual plan holder who will be responsible for incorporating them as they are received. A record of all amendments will be maintained utilizing the Revision History at the front of this ERP.

As a registered holder of this plan, you have an obligation to assist in the maintenance of accurate up to date information. If you detect an error in the plan, or subsequent to its revision publication date, become aware of any changes to any information contained herein, please forward such information as soon as possible on the *Plan Amendment Request Form* on the following page to:

Any requested changes to the Core Section 1-2 should be brought to the attention of:

Attention: Yvonne McLeod

Pieridae Energy Limited
3100, 308 – 4 Avenue SW
Calgary, AB T2P 0H7
Office: 403-351-5423
Fax: 403-261-5902

Email: Yvonne.McLeod@pieridaeenergy.com

Any requested changes to the Site Specific Section 3-4 should be brought to the attention of:

Pieridae Caroline Complex

Attention: Monica Rosevear

HSE Coordinator

Address: Bag 500, Caroline, AB, T0M 0M0

Tel: 403-722-7131 Fax: 403-722-2430

Email: Monica.Rosevear@pieridaeenergy.com



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Plan Distribution and Maintenance

Pieridae Alberta Production Ltd.

FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

PLAN AMENDMENT REQUEST FORM

Please use this form to submit any updates, changes or corrections that you wish to have made to the Emergency Response Plan.

Submitted By: _____

Name (please print): _____

Position: _____

Date: _____

Please enter your changes here. If possible include the page number(s) and exact text and/or graphic that should be changed.



FOOTHILLS RAM RIVER EMERGENCY RESPONSE PLAN - SOUTHERN

Plan Distribution and Maintenance

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