

# Standard of Conduct

Parkland School Division No. 70



The Standard of Conduct (SOC) confirms that oil and gas operations in Parkland School Division are conducted in compliance with all relevant laws and regulations. Additional safety measures for those persons, students and staff in Parkland School Division (Tomahawk School) have also been included in the Standard of Conduct.

June 23, 2009

# Standard of Conduct

Parkland School Division and the Oil and Gas Producers in the Tomahawk Area acknowledge that:

1. It is of utmost importance to take reasonably practicable steps to protect the health and safety of community members including students, staff and others at Parkland School Division's schools and on school buses when the oil and gas operations of the Companies may affect such persons;
2. Oil and gas exploration and development can be done safely when in compliance with all applicable laws and will not adversely interfere with Parkland School Division providing educational activities at its schools or with those on school buses for whom Parkland School Division has responsibility;
3. A spirit of cooperation is needed between area stakeholders to ensure that the lawful rights, interests and obligations of each other are respected;

In recognition of these principles, the following stakeholders have collaborated to develop this Standard of Conduct:

- **Parkland School Division**
- **Oil & Gas Producers**
  - ConocoPhillips Canada
  - Great Plains Exploration Inc.
  - Grizzly Resources Ltd.
  - Highpine Oil & Gas Limited
  - West Energy Ltd.

**Energy Resources Conservation Board (ERCB) was consulted in the development of this process.**

## 1 Community Engagement and Consultation

We are neighbours in this community. Effective consultation and honest communications are important. The main expectations for effective public consultation that form the foundation for this Standard of Conduct are detailed in the following Energy Resources Conservation Board [Directives](#) and Industry Recommended Practices (IRPs):

- [D056 – Energy Development Applications](#): This directive sets out the consultation and notification requirements for energy development in Alberta.
- [D071 – Emergency Preparedness and Response Requirements](#): This directive sets out the consultation and notification requirements related to the preparation of emergency response plans.
- [Guide for Effective Public Involvement](#): This a comprehensive guide of recommended industry best practices developed by the [Canadian Association of Petroleum Producers](#) (CAPP).

In recognition that these documents represent a starting point, industry operating practices specific to the Tomahawk area include the following standards of conduct to enhance the overall level of communication and consultation between stakeholders throughout the life of these projects:

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#	Standard of Conduct	Stakeholder	Action By
1.1	<p>Tomahawk Area Operators will notify and consult with Parkland School Division prior to submitting an application to the ERCB for approval whenever a school is located within either the Emergency Planning Zone (EPZ) or the Emergency Awareness Zone (EAZ) or when buses carrying Parkland School Division students are required to travel through the EPZ or the EAZ.</p> <p>As referenced in ERCB Directive 056, 060 and 071, consultation will take place for all proposed projects, operations, or activities that are likely to have an impact on existing resources, the environment, and the public.</p> <p>Parkland School Division will ensure during the consultation phase, that increased attention is paid to:</p> <ul style="list-style-type: none"> <li>• sour well drilling and/or completion operations requiring a site-specific Emergency Response Plan (ERP)</li> <li>• sour facility or pipeline operations requiring an ERP</li> <li>• High Vapour Pressure (HVP) pipelines and related facilities requiring an ERP</li> </ul>		Area Operators
1.2	<p>Providing energy related training and education is important to creating and maintaining an effective relationship between the Tomahawk Area Operators and Parkland School Division. In support of this, area producers will work with Parkland School Division to:</p> <ul style="list-style-type: none"> <li>• Identify type of training required, level of information and the audience with an emphasis on staff and bus drivers. This would include but not be limited to: <ul style="list-style-type: none"> <li>○ Introduction to Oil and Gas Operations</li> <li>○ H<sub>2</sub>S Awareness</li> <li>○ Emergency Planning and Response</li> <li>○ Overview of Oil and Gas Regulations (context / topics)</li> <li>○ Additional training opportunities mutually agreed upon</li> </ul> </li> <li>• Tomahawk Area Operators agree to pay for or reimburse the costs for providing agreed to training.</li> </ul>		Area Operators, Parkland School Division
1.3	<p>The stakeholders involved with the development of this document are committed to maintaining an open and honest ongoing dialog. This includes communicating and addressing any additional concerns as they arise or are contemplated.</p> <p>The stakeholders recognize that changing circumstances may require changes or additions to this document. Any changes made will be done in communication with and the involvement of affected stakeholders. Whenever revisions are made, the revised document will be reissued to all involved stakeholders.</p>		Area Operators, Parkland School Division

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	If necessary to ensure an honest, effective ongoing dialog is established <b>and</b> maintained, the stakeholders agree to establish a formal multi-stakeholder process utilizing the strategies and resources of <a href="#">Synergy Alberta</a> .		
1.4	In the event that an important issue cannot be resolved in the normal course of discussion, the stakeholders involved with this Standard of Conduct agree to outline the framework for dispute resolution in a Memorandum of Understanding.		Area Operators, Parkland School Division

## 2 Planning and Design of Oil and Gas Operations

The ERCB has established regulations and directives specific to design standards that form the foundation for this Standard of Conduct include:

- [D008 – Surface Casing Requirements](#): This revised directive clarifies the minimum surface casing depth requirements, sets out requirements for setting deep surface casing, for using a Class I blowout prevention system, and the standards for conductor casing.
- [D009 – Casing Cementing Requirements](#): This directive details the cementing standards for intermediate and production casing as required to protect usable groundwater.
- [D010 – Minimum Casing Design Requirements](#): This directive provides detailed design and metallurgy criteria for sweet, sour, and critical sour wells.
- [D026 – Setback Requirements for Oil Effluent Pipelines](#): This directive must be consulted when filing applications or amendments for oil pipelines with more than 1.0% H<sub>2</sub>S gas. Include reference to ID 081-3 , 97-6
- [D033 – Well Servicing and Completion Operations](#): This directive outlines the ERCB’s requirements regarding the potential for explosive mixtures and ignition in wells.
- [D036 – Drilling Blowout Prevention Requirements and Procedures](#): This directive specifies the minimum equipment and procedure requirements that must be followed when drilling a well.
- [D037 – Service Rig Inspection Manual](#): This directive details ERCB requirements for service rigs.
- [D038 – Noise Control](#): This directive deals with permissible sound levels in the vicinity of ERCB approved well and facility operations.
- [D039: Revised Program to Reduce Benzene Emissions from Glycol Dehydrators](#): This directive specifies the design and operating requirements for minimizing the emissions from dehydrators.
- [Directive 041: Adoption of CSA Z662-03, Annex N, as Mandatory](#): This directive specifies pipeline licensees must implement an integrity management program as per CSA Z662-03.
- [D055 – Storage Requirements for the Upstream Petroleum Industry](#): The purpose of this directive is to identify requirements for the storage of materials produced, generated (including wastes), or used by the upstream petroleum industry.
- [D056 – Energy Development Applications](#): An important focus of this directive is to outline the design and installation requirements for the approval of drilling, facility or pipeline application.
- [D057 – Fencing and Site Access Requirements for Oil and Gas Facilities](#): This directive introduces the new fencing and security requirements that apply to ERCB-regulated facilities.
- [D060 – Upstream Petroleum Industry Flaring, Incinerating and Venting](#): This directive details

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ERCB requirements for a number of air quality related issues including, well test flaring, solution gas flaring and fugitive emissions (read: odours) for oil and gas operations.

- [D064 – Requirements and Procedures for Facilities](#): This directive provides industry with a guide for complying with the ERCB’s requirements for production, injection and disposal facilities.
- [D066 – Requirements and Procedures for Pipelines](#): This directive outlines the requirements for to achieving compliance with ERCB pipeline regulations and ensuring safe and efficient practices at all pipeline projects. This also ties in with the ERCB requirements detailed in [D041](#).
- [D071 – Emergency Preparedness and Response Requirements](#): While the focus of D071 is mainly emergency response planning, this directive considers facility and pipeline design factors, including: operating pressures, pipeline length and diameter, the number and location of emergency shutdown (ESD) valves and other operating conditions in calculation of EPZ and release scenarios.

Relevant Industry Recommended Practices (IRPs) that are also important foundation documents for this Standard of Conduct include:

- IRP Vol. 1 - [Critical Sour Drilling](#)
- IRP Vol. 2 - [Completing and Servicing Critical Sour Wells](#)
- IRP Vol. 4 - [Well Testing and Fluid Handling](#)
- IRP Vol. 5 - [Minimum Wellhead Requirements](#)
- IRP Vol. 6 - [Critical Sour Underbalanced Drilling](#)
- IRP Vol. 7 - [Standards for Wellsite Supervision of Drilling, Completion and Workovers](#)
- IRP Vol. 8 - [Pumping of Flammable Fluids](#)
- IRP Vol. 13 - [Slickline Operations](#)
- IRP Vol. 14 - [Non Water Based Drilling and Completions/Well Servicing Fluids](#)
- IRP Vol. 15 - [Snubbing Operations](#)
- IRP Vol. 18 - [Fire and Explosion Hazard Management](#)
- IRP Vol. 20 - [Wellsite Design Spacing Recommendations](#)

NOTE: Related safety requirements identified by Alberta Occupational Health and Safety (OHS) regulations and the Alberta Safety Codes Act, Regulations and Code are included in ERCB Directives and Industry Recommended Practices.

Copies of the above documents are included in a reference binder that has been prepared at the request of the Parkland School Division. Updates to these documents will be provided to Parkland School Division as they become available.

In addition to the above requirements, industry operating practices used by Tomahawk Area Operators are outlined in the following standards of conduct related to oil and gas development:

#	Standard of Conduct		Action By
2.1	As part of the process for placing wells and facilities in the area, Tomahawk Area Operators will review the ERCB Minimum Setback Requirements and Calculated Emergency Planning Zones with Parkland School Division and confirm the suitability of these criteria on a case-by-case basis.		Area Operators, Parkland School Division
2.2	To ensure the safe operation and reliability of their pressure		Area

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	equipment and compliance with the Safety Codes Act, Tomahawk Area Operators will develop and maintain an Owner-User Pressure Equipment Integrity Management program consistent with the requirements of the Alberta Boiler Safety Association (ABSA) AB-512.		Operators
2.3	To ensure the safe operation and reliability of their pipelines, Tomahawk Area Operators will develop and maintain a Pipeline Integrity Management Program consistent with the requirements of CSA Z662-07 Annex M and N.		Area Operators
2.4	In addition to the above standards for facilities and pipelines, the following Pembina Nisku Operators Group (PNOG) design standards will be employed by Tomahawk Area Operators: <ul style="list-style-type: none"> <li>• Added discussion re: emergency controls, back-up systems</li> </ul>		Area Operators

## 3 Emergency Preparedness and Planning

To ensure the safety of the community, it is important to have a consistent and effective emergency response strategy. The key requirements governing emergency planning that form the foundation for this Standard of Conduct include the following documents:

- [D071 – Emergency Preparedness and Response Requirements](#): ERCB Directive 71 details Emergency Response Plan (ERP) requirements that ensure that there is an effective level of preparedness when preparing and implementing an ERP. The ERCB regulatory system ensures that there is the capability and capacity in terms of trained personnel and equipment to carry out an effective emergency response to incidents and that industry plans are discussed and coordinated with other response agencies and mutual aid partners..
- [Petroleum Industry Incident Support Plan](#): This document, mandated by [Alberta Municipal Affairs](#) and supported by the [Alberta Emergency Management Agency](#), provides a framework to direct and coordinate how the government works together to support industries response to a serious upstream petroleum industry incident.
- Canadian Standards Association (CSA) *CAN/CSA-Z-731-03: Emergency Preparedness and Response*<sup>1</sup>. The ERCB references this CSA standard and expects applicable portions of it to be used in conjunction with *Directive 071* for the development of emergency preparedness and response programs.
- Relevant guides and regulatory documents detailing Parkland School Division safety requirements and emergency response include:
  - Parkland School Division’s Emergency Response Plan.

In addition to the planning requirements by the ERCB in Directive 71, industry operating practices include the following standards of conduct specific to emergency planning and response:

#	Standard of Conduct	Stakeholder	Action By
3.1	The following standards are employed by Tomahawk Area Operators when preparing emergency response plans: <ul style="list-style-type: none"> <li>• Parkland School Division: Where school or bus routes are included in an approved <a href="#">Emergency Planning Zone (EPZ)</a> or the <a href="#">Emergency Awareness Zone (EAZ)</a>,</li> </ul>		Area Operators, Parkland School Division

<sup>1</sup> This document is copyrighted and is not included in the reference binders.

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	<p>Parkland School Division will be provided with a map of the proposed EPZ to allow for confirmation of bussing routes, the identification of any related emergency planning requirements.</p> <ul style="list-style-type: none"> <li>• Parkland School Division will provide confirmation of any need for having busses available on stand-by during drilling and completion operations. Parkland School Division has internal policies regarding criteria used to determine their need to have busses on stand-by and will provide explanation of the criteria to Tomahawk Area Operators upon request.</li> </ul>		
3.2	Once an emergency response plan is reviewed and approved by the ERCB, Parkland School Division will be provided with copies of approved Emergency Response Plan (ERP)		Area Operators
3.3	When a school is in the Emergency Planning zone, Tomahawk Area Operators will make every effort to plan the drilling and completion operations in the Nisku sour zone to coincide with periods where school is not in session. If circumstances do not permit this to happen, a face-to-face meeting will take place between the responsible Company and Parkland School Division to ensure that all required emergency plans and precautions have been implemented.		Area Operators
3.4	<p>Notifications of Parkland School Division will be completed as follows:</p> <ul style="list-style-type: none"> <li>• Intention to drill</li> <li>• Commencement of drilling operations – 5 business days</li> <li>• Prior to entering sour zone – 4 days, 96 hours, timeframe to include a minimum of 1 instruction day, where relevant. Responsible company will confirm timing with Parkland School Division calendar.</li> <li>• When sour drilling operations are completed</li> <li>• Prior to commencing sour well completion operations</li> <li>• Prior to well testing / flaring operations</li> <li>• When sour well completion / testing operations are completed</li> <li>• Well Servicing operations</li> </ul>		Area Operators
3.5	<ul style="list-style-type: none"> <li>• Tomahawk Area Operators will ensure that the Parkland School Division is extended an invitation to all pre-sour meetings for plans that identify the presence of a school in the Emergency Planning Zone (EPZ) or Emergency Awareness Zone (EAZ). The purpose of the meeting will be review emergency and evacuation procedures prior</li> </ul>		Area Operators

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	to commencing sour operations including the confirmation of bussing information. Timing of invitation will include a minimum of 1 instruction day, where relevant. Responsible company will confirm timing with Parkland School Division calendar.		
3.6	When preparing site-specific Emergency Response Plan (ERP), names and contact information for bus drivers will be provided by Parkland School Division schools. This <b>confidential</b> information will be included by Tomahawk Area Operators in ERP documentation provided to responders. As required by ERCB, this requirement will be updated annually.		Area Operators, Parkland School Division
3.7	Tomahawk Area Operators will work with the Parkland School Division to identify those circumstances where supplemental safety equipment is a requirement to address the safety concerns of staff, bus drivers and student. In those circumstances where it is agreed that additional safety equipment is necessary, Tomahawk Area Operators will support the costs for providing that equipment.		Area Operators, Parkland School Division
3.8	In addition to the air monitoring requirement specified by the ERCB in D71, the following criteria will be applied for providing additional <b>temporary</b> air monitoring equipment: During drilling and completion operations and when a school is within a PAZ, temporary stationary air monitoring equipment will be placed between the School and the Wellsite. Also see Section 5 of this Standard of Conduct regarding the installation of permanent air monitoring equipment.		Area Operators

### 4 Emergency Response Plan Activation and Area Specific Public Safety Measures

Tomahawk Area Operators acknowledge their responsibility for ensuring that they are fully prepared and capable of responding to any level of emergency. The key requirements governing emergency response that form the foundation for this Standard of Conduct are detailed in operations specific emergency response plan as per the requirements of ERCB Directive 71. As highlighted in Directive 071, this includes activities such as:

- Identifying hazards.

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- Preparing and maintaining Emergency Response Plans and procedures.
- Ensuring that the Emergency Response Plans identify sufficient resources and equipment for use by response personnel during an emergency.
- Assigning response personnel and ensuring that they are suitably equipped to carry out their duties through training, drills, and exercises.

In addition to the response requirements by the ERCB in Directive 71, industry site-specific response plans will include the following standards of conduct specific to Level-1, -2 and -3 emergency response actions:

#	Standard of Conduct	Stakeholder	Action By
4.1	<p><b>Level-1 Emergency</b> is defined as an incident where there is no danger outside the licensee’s property, there is no threat to the public, and there will be no or minimal environmental impact. The situation can be handled entirely by licensee personnel. There will be immediate control of the hazard. There will be little or no media interest.</p> <p>In addition to emergency action identified in ERCB D71, the following Level-1 Emergency Actions will be implemented:</p> <ul style="list-style-type: none"> <li>• The affected school and Parkland School Division will be notified via a personal telephone call directly by the Responsible Company’s emergency response personnel to allow Parkland School Division to move forward with its decision to begin the voluntary evacuation of school personnel and students at Level-1.</li> <li>• Upon request from Parkland School Division, the Responsible Company will provide rovers to lead school busses in the Emergency Planning Zone (EPZ).</li> <li>• The Responsible Company will mobilize all required resources including the Pembina Area Operators Group to provide assistance as required.</li> </ul>		Area Operators, Parkland School Division
4.2	<p><b>Level-2 Emergency</b> is defined as an incident where there is no immediate danger outside the licensee’s property or the right-of-way, but there is the potential for the emergency to extend beyond the licensee’s property. Outside agencies must be notified. Imminent control of the hazard is probable but there is a moderate threat to the public and/or the environment. There may be local and regional media interest in the event.</p> <p>In addition to emergency action identified in ERCB D71, the following Level-2 Emergency Actions will be implemented:</p> <ul style="list-style-type: none"> <li>• The Affected School and Parkland School Division will again be notified by the Responsible Company and advised of the change in emergency status. Mandatory evacuations of all school personnel and students who have not already voluntarily evacuated will begin.</li> <li>• The Responsible Company will have manned roadblocks to isolate the Emergency Planning Zone (EPZ) and School Buses will not be permitted to enter the EPZ.</li> </ul>		Area Operators, Parkland School Division

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	<p>(Regulation)</p> <ul style="list-style-type: none"> <li>If a school bus is inside the Emergency Planning Zone (EPZ), a rover will be made available to lead the School Bus and will escort it out of the EPZ using a safe evacuation route. The rover travelling with the School Bus will have the ability to monitor H<sub>2</sub>S levels and communicate with the Responsible Company's Emergency Operations Centre (EOC).</li> <li>The responsible Company will continue with all required emergency response actions including the continued evacuation of all school personnel who have not already voluntarily evacuated.</li> </ul>		
4.3	<p><b>Level-3 Emergency</b> is defined as an incident where the safety of the public is in jeopardy from a major uncontrolled hazard. There are likely to be significant and ongoing environmental impacts. Immediate multi agency municipal and provincial government involvement will be required. In addition to emergency action identified in ERCB D71, the following Level-3 Emergency Actions will be implemented:</p> <ul style="list-style-type: none"> <li>The Affected School and Parkland School Division will again be notified by the Responsible Company and advised of the change in emergency status.</li> <li>The responsible Company will continue with all required emergency response actions including confirmation that all school personnel had been successfully evacuated. The Responsible Company will advise all unevacuated parties inside the Emergency Planning Zone (EPZ) on how to proceed (stay indoors until a safe evacuation route has been identified, and/or evacuate the area).</li> </ul>		Area Operators, Parkland School Division
4.4	<p>To improve their ability to respond to emergencies, Tomahawk Area Operators will participate in the Pembina Area Operators Group (PAOG), a joint Industry - ERCB initiative established to provide mutual aid among operators for emergency response and incident investigation in the Pembina area.</p>		Area Operators
4.5	<p>Specific to Parkland School Division, additional emergency response actions supplemental to ERCB Directive 71 requirements will include:</p> <ul style="list-style-type: none"> <li>If the evacuation of a Parkland School Division facility is required, the Tomahawk Area Operator emergency responders will work in cooperation with school officials to confirm that lockdown and evacuation procedures have been fully and completely implemented.</li> <li>Parkland School Division facilities will not be identified in</li> </ul>		Area Operators, Parkland School Division

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	<p>Tomahawk Area Operator Emergency Response Plans (ERPs) for shelter-in-place other than for school officials and students while their evacuation is being implemented.</p> <ul style="list-style-type: none"> <li>• Tomahawk Area Operator Emergency Response Plans will not identify Parkland School Division facilities as community gathering points.</li> </ul>		
4.6	<p>Responsible Company acknowledges their responsibility for compensating Parkland School Division for those costs associated with necessary emergency evacuation of a Parkland school. <b>Key</b> compensation considerations include:</p> <ul style="list-style-type: none"> <li>• Where the requirement for standby bussing has been agreed to between the Parkland School Division and a Tomahawk Area Operator, the Tomahawk Area Operator will reimburse Parkland School Division within 30 days of being invoiced at the mutually agreed to rates . These rates will be revisited and confirmed annually during the budgeting portion of the Parkland School Division fiscal year (September – September)</li> <li>• Bussing costs for required evacuation</li> <li>• Any associated costs of providing meals during an evacuation process, should they be required</li> <li>• Any additional cost directly associated with a required evacuation</li> <li>• Look at IL 8920 – Industry protocol for compensation that operators should follow.</li> </ul>		<p style="text-align: center;">Area Operators, Parkland School Division</p>

## 5 Community Health and Environmental Protection

Protecting the local environment and community health is of paramount importance. This includes protecting the health and well being of our animals and livestock in Tomahawk area. In addition to the requirements detailed in Section 2 of this Standard of Conduct, the key environmental requirements, established by the ERCB in consultation with Alberta Environment (AENV), that form the foundation for this Standard of Conduct include the following documents:

- [D001 – Requirements for Site-Specific Liability Assessments](#)
- [D006 - Licensee Liability Rating \(LLR\) Program and Licence Transfer Process](#)
- [D011 - Licensee Liability Rating \(LLR\) Program Updated Industry Parameters and Liability Costs](#)
- [D013 - Suspension Requirements for Wells](#)
- [D020 - Well Abandonment Guide](#)
- [D050 - Drilling Waste Management](#)
- [D058 - Oilfield Waste Management Requirements for the Upstream Petroleum Industry](#)

One important Alberta Environment standards that deserves to be highlighted is:

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- [Alberta Ambient Air Quality Objectives](#): These objectives are intended to provide protection of the environment and human health to an extent technically and economically feasible, as well as socially and politically acceptable.

In addition to the above requirements, industry operating practices include the following standards of conduct:

#	Standard of Conduct	Stakeholder	Action By
5.1	Tomahawk Area Operators will make every effort to minimize flaring associated with completion clean-up operations and flow testing successful wells. Companies expect to limit flow test flaring to a maximum period of eight (8) hours where operationally feasible, targeting a four hour clean-up and a four hour flow test. In cases where a Tomahawk Area Operator has committed to notifying Parkland School Division of sour operations, the operator will advise Parkland School Division if additional well testing is required to successfully evaluate well.		Area Operators
5.2	If area development requires the installation of permanent facilities, Tomahawk Area Operators will work with Parkland School Division, where relevant, to develop Standards of Conduct to address issues related to continuous flaring during normal production operations at: <ul style="list-style-type: none"> <li>• Oil or gas well sites, satellites and field compressors</li> <li>• Central production facilities (i.e. batteries and gas plants) (See also 6.2)</li> </ul>		Area Operators
5.3	Decisions to install permanent air quality monitors in vicinity of Parkland School Division facilities will be made in consultation with and in support of the Pembina Sentinel Air Monitoring System (PSAMS) network and their criteria for strategic placement of monitors. The strategic placement will consider technical and social implications.		Area Operators, Parkland School Division, PSAMS

## 6 Other Community Safety and Quality of Life Issues

In addition to ERCB and Alberta Environment environmental requirements, industry operating practices to address additional community safety and quality of life concerns include the following standards of conduct:

#	Standard of Conduct	Stakeholder	Action By
6.1	Road use during peak bussing periods is an important safety issue. Tomahawk Area Operators will make every effort to minimize the number of heavy and oversized vehicles using local roads during peak bus hours of 0700 hours to 0900 hours and 1500 hours and 1700 hours. In the event that a		Area Operators

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	<p>school bus is encountered during a move of heavy equipment, the equipment will pull to the right as much as possible and stop – so long as this is deemed the safest course of action for all parties concerned.</p> <p>Tomahawk Area Operators will notify Parkland School Division of anticipated high activity periods for heavy equipment related to their operations.</p>		
6.2	<p>Site specific discussions regarding the criteria for the installation of permanent facilities will consider the following:</p> <ul style="list-style-type: none"> <li>(1) Effects on a school;</li> <li>(2) Monitoring of activities at the facilities site so they do not interfere with school activities;</li> <li>(3) Continuous flaring, noise, and related pollution controls;</li> <li>(4) Using administrative and engineering controls to ensure the permanent facilities reasonably practicably protect the safety of persons at the PSD school affected.</li> </ul> <p>The content of the Standard of Conduct needs to focus on the general standards that help with driving both company and project-specific actions. (See also 5.2)</p>		<p>Area Operators, Parkland School Division</p>
6.3	<p>If an off lease odour is confirmed, the operator is required by ERCB regulation to control emissions immediately or suspend facility/operations until repairs can be made.</p>		<p>Area Operators, Parkland School Division</p>

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## Definitions and Acronyms

<b>Emergency</b>	A present or imminent event outside the scope of normal operations that requires prompt coordination of resources to protect the health, safety, and welfare of people and to limit damage to property and the environment
<b>Emergency Awareness Zone (EAZ)</b>	A distance outside of the EPZ where public protection measures may be required due to poor dispersion of the hazard.
<b>Emergency Operations Centre (EOC)</b>	An operations centre established in a suitable location to manage the larger aspects of an emergency. In a high-impact emergency, there may be a number of EOCs established to support the response. These may include the ERCB Field Centre incident command post, regional and corporate EOCs, a municipal EOC (MEOC), and the provincial government EOC (GEOC).
<b>Emergency Planning Zone (EPZ)</b>	The geographical area surrounding a well, pipeline, or facility containing hazardous product that requires specific emergency response planning by the industrial operator.
<b>Emergency response plan (ERP)</b>	A comprehensive plan to protect the public that includes criteria for assessing an emergency situation and procedures for mobilizing response personnel and agencies and establishing communication and coordination among the parties.
<b>High vapour pressure (HVP) pipeline</b>	A pipeline system conveying hydrocarbons or hydrocarbon mixtures in the liquid or quasi-liquid state with a vapour pressure greater than 110 kilopascals absolute at 38°C, as determined using the Reid method (see ASTM D 323).
<b>Initial isolation zone (IIZ)</b>	An area in close proximity to a continuous hazardous release where the public may be exposed to dangerous and life threatening outdoor pollutant concentrations and indoor sheltering may provide limited protection due to the proximity of the release.
<b>Industry Recommended Practice (IRP)</b>	An IRP is a set of best practices and guidelines compiled by knowledgeable and experienced industry and government personnel. It is intended to provide owners, operators, and contractors with advice regarding the specific topic. The recommendations set out in this IRP are meant to allow flexibility and must be used in conjunction with competent technical judgment. It remains the responsibility of the user of the IRP to judge its suitability for a particular application.
<b>Hydrogen sulphide (H<sub>2</sub>S)</b>	A naturally occurring gas found in a variety of geological formations and also formed by the natural decomposition of organic matter in the absence of oxygen. H <sub>2</sub> S is colourless, has a molecular weight that is heavier than air, and is extremely toxic.
<b>Protective action zone (PAZ)</b>	An area downwind of a hazardous release where outdoor pollutant concentrations may result in life threatening or serious and possibly irreversible health effects on the public.

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## Key Support Agencies and Associations

Alberta Boilers Safety Association (ABSA)	
Alberta Environment (AENV)	
Alberta Health Services – Capital Region	
Canadian Standards Association (CSA)	
Enform	
Energy Resources Conservation Board (ERCB)	
Pembina Area Operators Group (PAOG)	
Pembina Nisku Operators Group (PNOG)	
Pembina Sentinel Air Monitoring System (PSAMS)	
Synergy Alberta	