

Dangerous Goods Incident Support Plan



Registered Plan Copy No. _____

ACKNOWLEDGEMENTS

The support and assistance provided by the plan stakeholders in the development of this Government of Alberta emergency response support plan is gratefully acknowledged. Special thanks is given to the following people for their time, input and dedication:

- Alberta Transportation – Dangerous Good and Rail Safety Branch

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The plan is available in electronic format by contacting the Emergency Management Alberta.

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RECORD OF AMENDMENTS

Emergency plans may require adjustments and amendments due to a number of factors, such as: changes in roles and responsibilities due to reorganizations, lessons learned from actual incidents, or just streamlining and improving the plan.

To assist in keeping all the registered copies of the plan current, a person in each organization must be assigned the responsibility of maintaining this plan and keeping the plan current. This Amendments page will assist in this process. The plan has been constructed in such a manner to facilitate the amendment process.

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Amendment Number	Date of Amendment	Title of Amendment	Initials
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FOREWARD

Thousands of tons of dangerous goods are manufactured, stored, transported and handled daily in Alberta. Alberta enjoys an excellent safety record for these kinds of operations.

Occasionally there is an incident involving dangerous goods. These may occur at an industrial site, storage facility or within the transportation system. When this does happen, it is essential that the public, property and the environment be protected from any adverse effects from these incidents. In order to prevent or reduce the impact from a dangerous goods incident, it is essential that the emergency response be carried out in a timely, coordinated and effective manner maximizing the resources available.

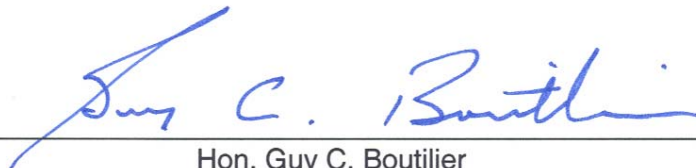
The purpose of this Alberta support plan is to provide:

- an understanding of the responsibilities of the various organizations involved in a dangerous goods response
- a coordinated response effort
- an understanding of communications during an emergency

In Alberta, first response to most emergencies involves the emergency resources of a municipality. It is essential that industrial emergency plans are compatible with municipal plans. The Alberta Disaster Services Act provides the local government authority the powers to “declare a local state of emergency”, when required. This declaration allows the local authority to take extra-ordinary measures to implement all reasonable measures for the control and mitigation of an emergency.

Incidents involving dangerous goods require responders with special training, equipment and knowledge. It is the coordinated response, and cooperation from the public and private sector, which brings together the resources and expertise necessary for a successful response.

This plan is approved by the Minister responsible for administering Emergency Management Alberta’s programs under the authority of the Disaster Services Act.



Hon. Guy C. Boutilier
Minister
Alberta Municipal Affairs

February 4, 2004

Date

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1.0 BACKGROUND

1.1 General. This plan provides a framework for the public and private sector response to dangerous goods incidents that have potential to impact the public or the environment. It is intended to provide clarification concerning the roles and responsibilities of both public and private sector organizations and to coordinate response resources and activities during the response. It also will provide a better understanding between response partners in the areas of:

- Common terminology
- Levels of impact from the incident
- Emergency government contacts
- Communications and information flow
- Public protection options
- Incident follow up activities

The Appendices to this plan are intended to provide information for clarification or to support the objectives of this plan.

1.2 Hazards

1.2.1 Types of Hazards. It is essential to identify the hazard presented by a dangerous goods incident. The hazard from dangerous goods may include one or more of the following:

- Toxicity
- Infection
- Cellular damage
- High-pressure releases
- Over-pressure (blast) waves
- Projectiles
- Flammability
- Reactivity
- Corrosivity
- Other transportation related hazards

1.2.2 Dangerous Goods within the transportation system have been grouped into nine hazard classes that are recognized via their safety marks throughout the world. The nine classes are subdivided into divisions that provide more descriptive information within a class. These are described in the following table:

Class	Hazard Class	Hazard Division	Description
1	Explosives	1.1	Explosive with a mass explosion hazard
		1.2	Explosive with a projection hazard
		1.3	Explosive with predominately a fire hazard
		1.4	Explosives with no significant blast hazard
		1.5	Very insensitive explosives, blasting agents
		1.6	Extremely insensitive detonating articles

Class	Hazard Class	Hazard Division	Description
2	Gases	2.1	Flammable gases
		2.2	Non-flammable, non-toxic, compressed gas
		2.3	Gases toxic by inhalation
3	Flammable Liquids ¹		
4	Flammable Solids, Spontaneously Combustible Materials, and Dangerous-when-Wet Materials	4.1	Flammable solids
		4.2	Spontaneously combustible materials
		4.3	Dangerous-when-Wet materials
5	Oxidizers and Organic Peroxides	5.1	Oxidizers
		5.2	Organic peroxides
6	Toxic Materials and Infectious Substances	6.1	Toxic materials
		6.2	Infectious substances
7	Radioactive Materials		
8	Corrosive Materials		
9	Miscellaneous Dangerous Goods	9	Miscellaneous dangerous goods

1.2.3 Probability vs. Risk. Within Alberta there are approximately 350 to 420 incidents reported to the Coordination and Information Centre (CIC) of Alberta Transportation annually. These dangerous goods incidents are classified into the following categories:

- About 46 to 54% (188 to 194 per year) are incidents that have little or no impact on the community.
- About 40 to 45% (149 to 186 per year) are incidents that may have limited impact in the community and the local authority and industry can manage with their own resources. These incidents are usually short in duration and attract only local media interest.
- About 8% (32 or 33 per year) of the incidents have an impact upon the community and require a coordinated response from the public and private sectors. Road closures and protective actions may be required during response operations in order to protect the public. Municipal and industrial Emergency

¹ Combustible Liquids in the USA.

Operations Centres (EOC) will likely be activated. Media throughout the region will likely take interest in these incidents.

- Less than 1% (2 or 3 per year) of dangerous goods incidents are serious and have the potential to have a significant impact upon the community. A “State of Local Emergency” may be declared. The local authority will likely fully activate its Municipal Emergency Plan (MEP) and EOC. The involved industry will fully activate its Emergency Plan and EOC. Assistance may be required from the Provincial Government and other organizations. Shelter-in-Place or evacuation orders may be given to the public. There will likely be national media interest in the incident. This type of emergency requires a well-coordinated emergency response using the resources and expertise of both the public and private sectors.

For the road and rail modes of transport, the risk of the occurrence of a dangerous goods incident are higher along the major transportation corridors or on roads that provide access to loading and unloading facilities.

Rail yards must also be considered due to the number of railcars being handled and the many switching operations that occur there. Dangerous goods releases from rail tank cars require particular attention due to the large volumes of dangerous goods they contain (up to ten times the volume as a road transport vehicle).

Fixed locations such as manufacturing, processing and formulating plants should be considered in the preparedness phase of the emergency management process. The site may have dangerous goods in the form of feedstock, intermediate chemicals and final products. These dangerous goods may be stored on site or in off-site locations.

Dangerous goods being transported by pipeline are not specifically covered by this emergency response support plan but by the Alberta Upstream Petroleum Incident Support Plan.

1.3 Partnerships. There are a number of organizations that must be prepared to respond, support and coordinate the response to a serious dangerous goods incident. Some of these organizations have regulatory responsibilities as well. Once the Dangerous Goods Incident Support Plan is activated, the response effort must occur immediately, be well organized and coordinated. Each organization must understand the roles and responsibilities of the response partners and have a clear understanding of their own involvement as outlined in this plan (this information is contained in Appendix H of this plan). This partnership includes the following:

- Industrial operator
- Local authorities (municipalities)
- Regional health authorities
- Provincial government departments and agencies

- Federal government departments and agencies (when there is federal jurisdiction or when requested by Emergency Management Alberta)

The initial emergency response usually involves the carrier or facility operator and the local authority. They must work together in a coordinated fashion in order to mitigate or reduce the threat to public safety. Should they require additional assistance in carrying out the response they may activate this plan in order to obtain provincial resources to support the response.

The primary objective in any emergency response is to protect the life and health of the public. For this reason, emergency response activities take priority over regulatory investigations.

1.3.1 Facility Operators and Carriers (Industrial Operators). Facility operators and carriers who manufacture, store or handle dangerous goods in quantities that require an emergency response assistance plan under Part 7 of the Dangerous Goods Regulation must consult with the local authority concerning their activities. This will confirm that emergency plans are compatible and there is an understanding of what can be expected from both partners should a dangerous goods incident happen within its jurisdiction. For the purposes of this plan, the Royal Canadian Mounted Police are considered to be a resource of the local authority.

1.3.2 Provincial Government Departments. The provincial government departments who have a regulatory responsibility or expertise, or resources available to support the local authority's response include:

- Agriculture, Food and Rural Development
- Environment
- Health and Wellness
- Human Resources and Employment, Workplace Health & Safety
- Municipal Affairs, Emergency Management Alberta
- Solicitor General
- Transportation, Dangerous Goods and Rail Safety

1.3.3 Federal Government Departments/Agencies. Access to federal resources are requested through Alberta Municipal Affairs, Emergency Management Alberta. Federal government departments who may become involved in a response (either because of their mandated responsibilities or at the request of the province) include:

- Agriculture and Agri-Foods Canada (AAFC)
- Canada Customs and Revenue Agency (CCRA)
- Canada Transportation Agency (CTA)
- Canadian Heritage (CH)
- Canadian Nuclear Safety Commission (CNSC)
- Office of Critical Infrastructure Protection and Emergency Preparedness (OC�PEP)
- Environment Canada (EC)
- Fisheries and Oceans (FO)
- Health Canada, Occupational Health and Safety Agency (HC)

- Indian and Northern Affairs Canada (INAC)
- Transport Canada (TC)
- Transportation Safety Board of Canada (TSBC)

1.3.4 Other Partners. Other organizations who may become involved in supporting the response activities of the local authority (because they have a responsibility to do so, or offer specialized knowledge, skills or equipment) include:

- The transporter of the dangerous goods
- The industrial operator
- A response team or industrial mutual aid organization
- A response contractor
- Industrial technical advisors
- Public affairs staff
- Non-governmental organizations (e.g., Salvation Army, Canadian Red Cross, etc.)

1.4 Emergency Personnel Assignments

Emergency personnel assignments contained in this plan are intended to enhance and support the response effort to the dangerous goods occurrence. Personnel who have emergency response assignments in relation to this plan must be trained and prepared to carry out their assignments. The local authority will determine the level of impact upon the community and will request that this plan be activated in order to support the response to the incident. Regulatory authorities may also request that this plan be activated. In order to communicate the seriousness of an incident, the following levels of impact are used:

1.4.1. Low Level 1 Impact Incident

- A “Low Level 1 Impact Incident” is a minor incident that is short in duration. Facility or carrier’s personnel may mitigate it, with limited support from the emergency services of the local authority.

1.4.2. Moderate Level 2 Impact Incident

- A “Moderate Level 2 Impact Incident” is an incident which may or may not involve the release of dangerous goods, but there is the potential for threat to the public and/or their property. This type of emergency may have the potential to impact only a small portion of a community and will require the establishment of a security perimeter to protect the public. It will likely require a response from the private sector (industrial operator) and the emergency services of the local authority. Notification will be made to Municipal Affairs, Emergency Management Alberta for all Level 2 impact incidents. The municipal emergency operations centre may only be partially activated for a Level 2 Incident.

1.4.3 High Level 3 Impact Incident

- A “High Level 3 Impact Incident” is a dangerous goods incident where there is an uncontrolled hazard in which public safety is threatened or there is significant and ongoing environmental

impacts. This plan will be activated for all Level 3 impact incidents. Emergency Management Alberta will make the notifications described in this plan.

2.0 PLAN OBJECTIVES

2.1 Objective. The primary objective of this plan is to direct and coordinate the provincial government (department/agency) responses in support of the local authority during a dangerous goods incident.

2.2 Factors. Some of the factors that may limit the effectiveness of this plan include:

- The speed of notification by the local authority or a regulator to activate this plan
- Accurately communicating the Level of Impact on the community at the time of initial notification
- The establishment of communications and information exchange with the on-site command post (OSCP)
- The mobilization of response resources

2.3 Assumptions. The following assumptions are made under this plan for serious Level 2 and Level 3 impact incidents:

- The industrial operator immediately notifies the local police and Co-ordination and Information Centre (CIC) when required by the Transportation of Dangerous Goods federal and provincial legislation
- The notification of Emergency Management Alberta to conduct the call down and to activate this plan (CIC)
- That public safety options have been implemented by the industrial operator and/or the local authority
- There will be an on-going exchange of relevant information at regular intervals during the incident among the partners
- All response activities that are being carried out to protect public safety will take priority over regulatory investigations

3.0 ACTION PLAN

3.1 General Principles. This plan has been developed to coordinate the government's response to a dangerous goods incident. It is also intended to provide an understanding of what provincial resources are available to support the emergency response of the municipality and the industrial operator in mitigating the incident.

The Dangerous Goods legislation requires the immediate notification by the person who has possession or control of a reportable quantity of dangerous goods to the local police upon the discovery of any dangerous goods emergency (see Appendix P). Through this process a response can be immediately put into place for public protection.

The arrangements contained within this plan are limited to those response activities that are necessary to protect life, health, property and/or the environment.

3.1.1 Preparations Before the Incident.

All organizations and persons identified as having a role in a dangerous goods incident response should review this plan. Other emergency plans maintained by other organizations should be compatible with this plan. Individuals with emergency response responsibilities should be trained to be competent in carrying out their functions. Individual organizations must be capable of working together under a structure that will coordinate and maximize emergency response activities during the emergency. All emergency response plans should be tested on a regular basis through exercises to ensure they will be effective.

3.1.2 Actions During an Incident.

A dangerous goods incident may be discovered and reported by any number of people. Initial information that should be obtained from a person reporting an incident can be found in Appendix G. Although the industrial operator or the carrier will initiate public protective actions, it is mandatory that the local police be notified when there is an incident involving a reportable quantity (see Appendix P). The police will initiate the local response to the level required. The local authority is the lead agency to any response where there is a potential of a threat to public safety or property. Other responders will coordinate their response activities and work closely with the local authority throughout the response. First responder's will, as required:

- Identify and assess the impact on the community from the nature of the dangerous goods involved in a release
- Initiate proactive actions, when appropriate
- Ensure appropriate notification telephone calls have been made
- Activate mutual assistance, when required
- Determine if there is an Emergency Response Assistance Plan (ERAP) for the product involved and request its activation, when necessary
- Activate this Alberta Dangerous Goods Incident Support Plan through Emergency Management Alberta, when required
- Prepare to receive other governmental or private sector responding agencies that will support response through

consultation, logistics, and communications or through the deployment of other resources

- Determine emergency response priorities including the protection of life and health, protection of property, and the protection of the environment
- Develop a response action plan and the site safety plan
- Provide ongoing public and media information
- Properly terminate the incident

3.1.3 Actions Following an Incident. There are a number of activities that should take place after the response and the incident has terminated. These include:

- Assess and document the impact on the community
- Ensure that there are no hazards remaining in the community as a result of the incident
- Develop a post incident action plan to restore conditions to pre-incident conditions as far as reasonable (e.g., environmental recovery)
- Incident investigation
- Individual response organizations' debriefing and documentation
- Multi-agency responder's debriefings and the publication of a "lessons learned" document
- Final public and media communication closing the incident
- Review and update emergency response plans
- Validate updated plan through an exercise

3.2 Organizations. Because of the variables involved (e.g., numerous types of dangerous goods, various modes of transport, and the distribution of resources, etc.) only generalities will be covered in this section. Because of these complexities the Alberta Dangerous Goods Incident Support Plan was developed and is maintained. The following information is listed in the following grouping: municipal, private sector, provincial government and federal government.

3.2.1 During the Incident. The following table contains some of the organizations and positions that may become involved in a dangerous goods response:

- **On-Site Command Post (OSCP)**
 - Industrial Operator
 - Local Authority Responders
 - Industrial Product Technical Advisor
 - Industrial Response Teams
 - Response Contractors
 - Regional Health Authority
 - Provincial Government
 - Dangerous Goods Inspector
 - Environment Inspector or Investigator
 - Workplace Health & Safety Inspector
 - EUB Field Staff
 - Federal Government (for federal jurisdictions)
 - Dangerous Goods Inspector, Transport Canada
 - Environment Canada Inspector

- Canadian Nuclear Safety Commission Specialist
- Transportation Safety Board Investigator
- Health Canada (Health Specialist or OH&S Investigator)
- Food Inspection Agency Field Staff
- Fisheries and Oceans Investigator
- **Municipal Emergency Operations Centre (MEOC)**, when activated
 - Local Director of Disaster Services
 - Disaster Services Committee and Agency
 - Emergency Management Alberta District Officer
 - Industrial Liaison Representative
- **Consequence Management Operations Centre (CMOC)**, when activated
 - Emergency Management Alberta staff
 - Appropriate Emergency Planning Officers from provincial government departments and agencies
 - Liaison personnel from the private sector as required

3.2.2 Response by Level of Incident Impact. A typical emergency response based upon the level of incident impact on a municipality is shown in the following table:

Sector	Organization	Position
Level 1 Emergency Response		
Basic Municipal Response	-Municipal Emergency Services which may be supported by private sector or mutual aid assistance.	-Emergency services
Level 2 and 3 Emergency Response		
Municipal	-Disaster Services Agency (partial or full activation of the municipal EOC) -Emergency Services respond and an OSCP established	-Director of Disaster Services -Emergency services heads -Other appropriate municipal department heads -Regional Health Authority -Mutual aid partners
Private Sector	-Industrial operator's EOC partial of full activation to provide technical support to on-site responders	- May dispatch technical advisor and response team to site

Provincial Government	<ul style="list-style-type: none"> -CMOC may partially or fully activate -District Officer may be dispatched to municipal EOC -Dangerous Goods Inspector is dispatched to site -Environmental Inspector is dispatched to site -Workplace Health & Safety Officer -Others as required 	<ul style="list-style-type: none"> -Duty Manager and Emergency Management Alberta staff Municipal Affairs Alberta Transportation Alberta Environment HR&E See Appendix H
Federal Government	<ul style="list-style-type: none"> For federal modes of transport and federal facilities -Dangerous Goods Inspector -Environmental Inspector -Fisheries Officer -Park Warden -OH&S Inspector -Safety Board Investigator -Technical expert 	<ul style="list-style-type: none"> -Transport Canada -Environment Canada -Fisheries & Oceans -Canadian Heritage -Health Canada -Transportation Safety Board of Canada -Canadian Nuclear Safety Commission

3.2.3 After the Incident. Individuals and organizations that had a role in the response or the recovery from a dangerous goods incident should, as soon as possible, review their response. They should identify and document (e.g. lessons learned) what went well and areas of their response plan that could be improved. Once any changes are made to the emergency plan, it should be validated by an exercise. As part of the incident review, reasonable mitigation actions should be recommended that would make the likelihood of a similar incident unlikely to reoccur.

Shortly after the individual organizations have reviewed their response, there should be a multi-agency review of the response. This process will identify any coordination and response improvements in individual emergency plans and this support plan.

3.3 Common Tasks

The following is a listing of the general tasks that are common to all organizations identified within this plan.

3.3.1 Before an Incident. The following is a listing of general tasks that are common to all organizations identified within this plan.

3.3.1.1 Plan Review.

All emergency response plans, including this plan, must be reviewed on an annual basis or when there is a change in the organization. For plans to be effective they must be current and maintained.

3.3.1.2 Internal and External Training

Persons identified as having an emergency function associated with an organizational emergency response plan should receive annual training associated with those responsibilities.

3.3.1.3 Emergency Response Equipment and Facilities

Each organization is responsible to ensure that its emergency response equipment (PPE, PPC, monitors and instruments, etc.) and facilities (OSCP, EOC, etc.) are maintained in a “state of readiness” at all times. A maintenance checklist log must be kept for all equipment necessary for an effective response.

3.3.1.3 Exercising Emergency Plans

Emergency plans should be exercised internally at least once per year. A joint, multi-organizational exercise should be conducted at a minimum of once in a four-year cycle.

3.3.2 During the Incident.

3.3.2.1 Initial Reporting of an Incident

The discovery and initial notification of a dangerous goods incident may come from a number of sources. It is essential to obtain as much factual information as possible from this initial call as it will be used in making an assessment of the seriousness of the incident and the activation of the response system. An example of the type of information that should be obtained can be found in Appendix G.

3.3.2.2 Assessment of the Incident

The industrial operator and the emergency responders from the local authority are responsible for assigning and communicating the initial level of impact (low, moderate or high) and notifying Emergency Management Alberta through the Coordination and Information Centre. The criteria contained in Appendix L may assist in making this determination. The level of impact is essential in order to determine if this plan should be activated.

3.3.2.3 Response and Public Protection

The emergency response and resource mobilization is based on the level of impact assigned to the incident.

- *Level 1, low impact incident* – means there is a local response by the industrial operator with on-site personnel. There is minimal support, if any, required from the local authority. There is no hazard or a potential of a hazard presented to the public.

- *Level 2, moderate impact incident* – a response is required by the industrial operator and by the emergency services of the local authority. There is the potential for a minor hazard to the public. These incidents are short in duration.
- *Level 3, high impact incident* – requires an immediate and coordinated response from both the private and public sector. There is, or there may be the potential for significant impact on the safety of the public and the community. These incidents are usually long in duration (over 4-hours) and interrupt normal activities in the area.

In any dangerous goods incident, the safety of the public, workers and responders is paramount. There may be more than one hazard present, but those that have the potential to impact public health and safety require prompt and decisive actions. These may include evacuation, in-place sheltering or planned ignition.

All response activities that are being carried out to protect public safety will take priority over regulatory investigations.

3.3.2.4 Extraordinary Powers

Should the emergency create a situation for which extraordinary measures are required to protect people or mitigate the emergency, the local authority may declare a “state of local emergency” (e.g., evacuations, access to property, etc.). The process for making this declaration is contained in Section 18 of the Disaster Services Act.

3.3.2.5 The Emergency Response

Most emergency responses maximize the resources available (human and other assets) in a timely manner. This can be achieved through the coordination of public and private sector responses. Industry usually will take a primary role in responding to a serious dangerous goods incident by dealing with the technical aspects of a response. The industry will coordinate its response activities with the local authority, who have overall responsibility for the safety of the public. Other government organizations will support the response efforts at the site of the incident as identified in this plan.

3.3.2.6 Emergency Response Support

This emergency response support plan identifies a number of government departments and agencies that may be requested to support the response of the industry and/or local authority. The nature of the response will depend on the nature and level of impact of an incident. The support will generally fall into one of the following:

- Organizations who directly provide support or liaison at the OSCP or MEOC.
- Government departments and agencies who provide support at the CMOC, upon notification by Emergency Management Alberta.

3.3.2.7 General Response Tasks

- Activation of emergency plan(s)
- Conduct alerts and notifications
- Secure the area
- Establishment of an OSCP
- Assess all hazards
- Activate ERAP, if required
- Develop response action plan and site safety plan
- Activate MEOC, when required
- Activate this support plan and the CMOC, as required
- Maintain timely exchange of information through situation reports (SitReps)
- Provide media and public information
- Monitor media releases

3.4 Organizational Task Matrices and Checklists

3.4.1 Checklists

Checklists and task matrices for industrial operators, local authorities and provincial government departments that may have responsibilities under this plan are found in Appendix H. They are arranged in chronological order and identify essential tasks for each phase of an emergency. The checklists aspect of each document is design to be used as a guide when this plan is activated. Each checklist should be reviewed to ensure it is complete and reflects current policy. They should be reviewed and updated on an ongoing basis.

3.5 Coordination During an Incident

3.5.1 Response Management and Coordination Centres

The emergency response will be managed and coordinated through the following emergency operation centres, when they are activated:

- OSCP (On-site Command Post)
- MEOC (Municipal Emergency Operations Centre)
- CEOC (Corporate or Industrial Emergency Operations Centre)
- CMOC (Consequence Management Operations Centre)

3.5.2 Alerts and Notifications

Should this plan be activated, as soon as Emergency Management Alberta is notified, they will alert the organizations identified in Appendix I.

3.5.3 Liaison Officers

When this plan is activated, liaison officers will be required as indicated in the following Table 1. The liaison officers will:

- Establish communications links between government departments and agencies from their locations.
- Provide information as requested by the local authority to support the response.

- Provide timely briefings and information exchanges from their location to government departments and the CMOC, if activated.
- Make known to the local authority what provincial resources are available to support the response and to facilitate any requests for these resources through the CMOC.

3.5.4 Priorities

The priorities during a dangerous goods incident are as follows:

- The protection of life and health of the public, workers and emergency responders
- Immediate notification of the incident to the local police
- The activation of appropriate emergency response plans
- The implementation of public protection activities
- Containment or the mitigation of the incident
- Activation of this plan, when required
- Keeping the public and response partners informed

3.5.5 Access to Communications Equipment

If additional communications are required for a level 2 or 3 incident, contact Emergency Management Alberta with this request. Working with TELUS' Provincial Network Operations Centre, landlines may be expedited.

4.0 SUPPORT

4.1 General. The following table provides a general overview of the support provided when this plan is activated for a dangerous goods incident:

EPO, Liaison Officer and Representatives Assignments to support Municipal Emergency Operations			
From	To (when activated)		
	OSCP	MEOC	CMOC
Agriculture, Food and Rural Development (when requested)		X	E
EUB (when requested)			E
Environment	X		E
Human Resources & Employment – Workplace Safety (when requested)	X		E
Industrial Operator (technical advisor and response team)	X		
Municipal Affairs – Communications			X
Municipal Affairs, Emergency Management Alberta		X	C
Regional Health Authority			E
Sustainable Resources Development (when required)	X		E
Transportation, Dangerous Goods Control and Rail Safety	X		E

E = Emergency Planning Officer (when requested by Emergency Management Alberta).

X = Liaison Officer (when requested).

X = Liaison Officer, enforcement officer or representative responding to level 3 incidents.

C = Coordinating staff

5.0 CONTROL, COORDINATION AND COMMUNICATIONS

5.1 Control. During a dangerous goods emergency, the command and control of key operations is as follows:

- **OSCP** – The incident commander is the position filled by the qualified person or position identified in the emergency response plan. This person directs on-site response activities intended to contain and control the emergency situation. A site-specific action plan and safety plan is developed through consultation with the emergency management team and approved by the incident commander. The OSCP is supported directly by the MEOC and/or the CEOC, depending upon the situation.
- **CEOC** – is the company/corporate emergency operations centre. It will support the industrial involvement at the OSCP (site of the emergency) and provide technical information and health information to the on-site commander and to the MEOC.
- **MEOC** – is the municipal emergency operations centre. It will support all aspects of the municipal response to the emergency and deal with all issues in relation to public safety beyond the span of control of the incident commander. It will also deal with public and media inquiries.
- **CMOC** – is the Consequence Management Operations Centre. It will support response activities at the OSCP, CEOC and the MEOC, as requested. The CMOC has the capability of accessing provincial, federal and other resources required to deal with the emergency.
- **PMIR** – is the Public and Media Information Room that is located adjacent to the MEOC, CEOC and the CMOC and works closely with the emergency operations centres. They have the responsibility of keeping the public and media informed throughout the incident. All PMIRs will communicate with each other and ensure only accurate and timely information is provided. The PMIRs will also monitor media releases.

5.2 Contacts. Emergency telephone contacts are found in Appendix J.

5.3 Protocols. The industrial operator is generally responsible to make the immediate notification to the local police when there is a dangerous goods emergency. They are required to make any other mandatory calls, such as those required by legislation or company policies. They are also required to take reasonable actions at the site to protect the public. Once Emergency Management Alberta is notified to activate this plan, they will notify other government departments as outlined in this plan.

5.4 Record Keeping and Documentation. Operational logs and the retention of records are critical for the coordination of response activities and shift changes. These documents may also be useful at follow-up debriefing and inquiries. Generally incident logs include:

- Date and time of an activity or inquiry
- Person making the entry

- Contact person(s), title and location along with call back telephone number(s)
- Weather conditions and wind direction at the site, when appropriate
- Brief description of the call
- Current response activities and site description
- Notation of follow up actions required and who is to make them.

Logs may be kept in hard copy or in electronic format. They should be maintained for a reasonable period of time (based on regulatory requirements and/or company policy) and should be available for legal purposes.

Emergency Plan Compatibility

Emergency plans must be compatible and complementary to maximize an emergency response. The following emergency plans must be compatible with this plan:

- **Municipal Emergency Plan (MEP)**
The Disaster Services Act requires each local authority to be responsible for emergency response planning and for the direction and control of emergency response within their jurisdiction. Both the industrial operator and the local authority have specific responsibilities and need to understand and co-ordinate their respective plans and response activities when there is an emergency. To enhance this capability before any emergency, the industrial operator and local authority need to exercise plans with each other. In Alberta, the primary contact within the municipality for emergency preparedness is the Director of Disaster Services.
- **Municipal Mutual Aid Agreements**
Municipal mutual aid agreements may be found in the appendices of most municipal emergency plans (MEP). Mutual aid agreements may be made with other public or private sector organizations.
- **Industrial Plans**
Most large industrial organizations, located in Alberta, have emergency plans for both facility and off-site (transportation related) incidents. The Dangerous Goods legislation requires that Emergency Response Assistance Plans (ERAPs) be in place for certain substances when they are transported above specified quantity levels. These plans should also be compatible with MEPs and this provincial government emergency response support plan.

DEFINITIONS

“**Act**” means the Disaster Services Act as amended from time to time.

“**Coordination and Information Centre (CIC)**” means the 24-hour information centre operated by Alberta Transportation. This Centre also serves as the after hours contact for Emergency Management Alberta. It provides initial emergency assessment, response action and clean-up information for dangerous goods incident responders. Activates provincial governments support plans when required.

“**Corporate Emergency Operations Centre (CEOC)**” means the centralized facility or location from which the manufacturer, industrial operator or consignor deals with the strategic and technical aspects of the response. It communicates and works closely with the local authority to support the tactical response efforts being carried out at the on-site of the emergency.

“**Dangerous Goods**” means a product, substance or organism included by its nature or by the regulations in any of the classes listed in the schedule to the Transportation of Dangerous Goods Act.

“**Dangerous Goods Incident**” means any incident involving a product, substance or organism that requires the attendance of emergency response personnel in order to mitigate any adverse impact on life, health, property or the environment.

“**Disaster**” means an event that results in serious harm to the safety, health or welfare of the public or in widespread damage to property.

“**Emergency**” means a present or imminent event that requires prompt coordination of action or special regulation of persons or property to protect the health, safety or welfare of the public or to limit damage to property.

“**Emergency Planning Officer**” means a senior member of a government department staff who, amongst other duties, coordinates the functions to be discharged by the department in response to an emergency.

“**Emergency Response Assistance Plan**” means the plan that outlines what is to be done if there is an incident involving certain dangerous goods and in accordance with Part 7 of the Transportation of Dangerous Goods Regulations.

“**Government**” means the Government of Alberta.

“**Consequence Management Operations Centre (CMOC)**” means the provincial Consequence Management Operations Centre that may be activated to coordinate the provincial government response to a major emergency.

“**Industrial Operator**” means the person who has the charge, management or control of the dangerous goods or a site/facility manufacturing the dangerous goods; or the person

with the corporate structure operating the site, designated as responsible for corporate response activities in an incident.

“Level 1 Low Impact Incident” means there is a dangerous goods incident confined to an industrial operator’s site and there is no potential for any threat to the public. There is minimal environmental impact. On-site industrial operator’s personnel can handle the situation immediately.

“Level 2 Moderate Impact Incident” means a dangerous good incident where there is potential for the emergency to impact the public or their property. The municipality may require technical or response assistance from the private sector. A security perimeter is required to protect the public from actual or potential harm.

“Level 3 High Impact Incident” means a dangerous good incident in which the safety of the public or their property is threatened. There are likely to be significant and on-going environmental impacts. An immediate coordinated multi-agency emergency response is required. This plan is activated for all Level 3 High Impact incidents.

“Local Authority” means

- (i) the council of a city, town, village, or municipal district;
- (ii) in the case of an improvement district or special area, the Minister of Municipal Affairs;
- (iii) the settlement council of a settlement under the Metis Settlement Act;
- (iv) the park superintendent of a national park or his delegate where an agreement has been entered into with the Government of Canada under section 6(B) [of the Act] in which it is agreed that the park superintendent is a local authority of the Act; or
- (v) the band council of an Indian band where an Agreement is entered into with the Government of Canada under section 6(b) [of the Act] in which it is agreed that the band council is a local authority for the purposes of the Act.

(Disaster Services Act)

“Mitigate” means actions taken to lessen the severity of an emergency or disaster.

“Municipal Emergency Operations Centre” (MEOC) means the centralized facility or location from which the local authority deals with the strategic goals of the response. It coordinates and supports the tactical response efforts being carried out at the on-site command post (OSCP). It provides information to the government, other emergency operations centres as appropriate, the media and the public at regular intervals throughout the emergency.

“Municipal Emergency Plan (MEP)” means the emergency plan of the local authority required under section 8 of the Disaster Services Act.

“Municipality” means the area comprising a city, town, village, county, municipal district, improvement district, specialized municipality, or special area. Also includes

federal land for which there is an agreement with the government of Canada (e.g. national parks).

“NOTAM” means a notice to airmen which is issued to close a specific airspace to unauthorized commercial aviation. The dimension of the airspace is issued by Transport Canada.

“On-site Command Post” means the location near the site of the emergency where tactical emergency response activities are coordinated amongst all responders in order to achieve strategic goals of mitigating the emergency.

“Protective Actions” means actions directed or conducted by a person in authority in order to protect the life and health of the public. They include: evacuation, in-place sheltering or planned ignition.

“Protective Direction” means a direction issued under section 32 of the Transportation of Dangerous Goods Act to cease an activity or to conduct other activities to reduce any danger to public safety.

“Public Safety” means the safety of human life and health and of property and the environment.

“Safety Mark” includes a design, symbol, device, sign, label, placard, letter, word, number, abbreviation or any combination of these things, that is to be displayed (a) on dangerous goods, or means of containment or transport used in handling, offering for transport or transporting dangerous goods, or at facilities used in those activities; and (b) to show the nature of the danger or to indicate compliance with the safety standards prescribed for the means of containment or transport or at a facility.

“Shipping Document” means a document that relates to dangerous goods that are being handled, offered for transport or transported and that contains the information required by Part 3 (Documentation), relating to the goods but does not include an electronic record.

“State of Local Emergency” means a declaration made by resolution of a local authority to deal with a major emergency or disaster. This must be done in compliance with Sections 18 to 21 of the Disaster Services Act.

AAFC	=	Agriculture and Agri-Foods Canada
AE	=	Alberta Environment
AMA	=	Alberta Municipal Affairs
AMA/EMA	=	Alberta Municipal Affairs/Emergency Management Alberta
AT	=	Alberta Transportation
CANUTEC	=	Canadian Transport Emergency Centre of the Department of Transport
CC&RA	=	Canada Customs and Revenue Agency
CFIA	=	Canada Food Inspection Agency
CH	=	Canadian Heritage
CIC	=	Co-ordination and Information Centre of Alberta Transportation
CMOC	=	Consequence Management Operations Centre
CNSC	=	Canadian Nuclear Safety Commission
DG	=	Dangerous Goods
EC	=	Environment Canada
CH	=	Canadian Heritage
EOC	=	Emergency Operations Centre
EPO	=	Emergency Planning Officer
ER	=	Emergency Response
ERAP		Emergency Response Assistance Plan
EUB	=	(Alberta) Energy and Utilities Board
FH	=	Fire Hazard Order

FO	=	F isheries and O ceans
HC	=	H ealth C anada
INAC	=	I ndian and N orthern A ffairs C anada
MEOC	=	M unicipal E mergency O perations C entre
MEP	=	M unicipal E mergency P lan
MSDS	=	M aterial S afety D ata S heet
NOTAM	=	N otice to A irmen
OSCP	=	O n- S ite C ommand P ost
PMIR	=	P ublic and M edia I nquiry R oom
PPC	=	P ersonnel P rotective C lothing
PPE	=	P ersonnel P rotective E quipment
PAB	=	P ublic A ffairs B ureau
RHA		R egional H ealth A uthority
SITREP	=	S ituation R eport
TC	=	T ransport C anada
TDGR	=	T ransportation of D angerous G oods R egulations
TSBC	=	T ransportation S afety B oard of C anada

Dominion Land Survey System (DLS)

Before Western Canada was settled, it was necessary to be able to accurately locate and describe parcels of land (e.g., for a title). This was done through cadastral (recording property boundaries including subdivision lines, etc.). The lands were surveyed and divided into square blocks, 6 x 6 miles called townships. Each township was then divided into 1 x 1 mile areas called sections.

Locating a Legal Land Description (LLD)

The easiest way to locate a parcel of land in Alberta is to read the LLD description from the right to the left, and plotting it using an appropriate map (one marked with townships and ranges).

An example of a LLD is as follows:

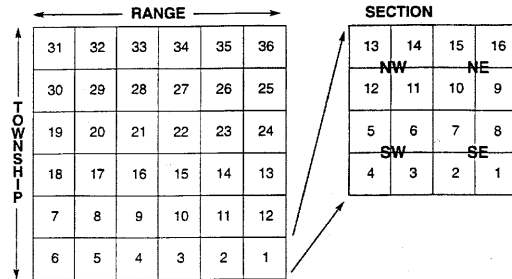
LSD	Section	Township	Range	Meridian
16	28	49	11	West of the 5th

Following this approach it is essential to understand the following terms (it is useful to refer to the diagram following this section):

- **Meridian** – is a north-south line used as a reference point. The primary meridian is located just west of Winnipeg, and is the basis for land surveying throughout the Prairies. Meridians increase west or east from the prime meridian. The 4th Meridian is located at the Alberta/Saskatchewan border, the 5th Meridian passes through the Town of Stony Plain, and the 6th Meridian passes approximately 48 km (30 miles) east of Grande Prairie or approximately 3 km east of the Town of Jasper.
- **Ranges** – are numbered from east to west starting from each meridian. The numbers increase from the east to the west within a Meridian. A range is 6-mile or 10 km wide.
- **Townships** - increase in number from the south to the north. They start at the 49th parallel at the Canada/USA border (1 is at the Alberta/Montana border and they progress northward to township 16 at the Alberta/NWT border or the 60th parallel). Each township is 6 miles or 10 km long.
- **Sections** – is a parcel of land that measures 1 mile x 1 mile or 640 acres. A township contains 36 sections of land. Sections are numbered within a township starting at the southwest corner being section 1 and the next section immediately west of section 1 is section 2. Section 7 is immediately above section 6. The numbering of sections proceeds in a serpentine fashion until section 36 is located in the northeast corner of the township.
- **Quarter** – is a quarter of a section or 160 acres. Quarter sections are identified as being the northwest quarter (1/4 NW), northeast quarter (1/4 NE), southwest quarter (1/4 SW) or southeast quarter (1/4 SE).

- Legal Subdivision (LSD)** – each section of land is further broken down into 16 parcels of 40 acres each. These are called LSDs. They are numbered 1 through 16. The numbering begins in the southeast corner of the section LSD 1 across to LSD 4, located in the southwest corner. The numbering continues in a serpentine fashion until LSD 16 is reached in the northeast corner.

The numbering for sections, ranges and townships of the Legal Survey Description (L.S.D.) is shown in the diagram below:



Further examples

For the Town of Grimshaw the LLD is:

L.S.D.	Section	Township	Range	Meridian
-	17	83	23	W5th

For the Town of Drumheller the LLD is

L.S.D.	Section	Township	Range	Meridian
-	11	29	20	W4th

Sample Incident Information Gathering Form

Caller Information

Name of Caller:	
Position:	
Location of Incident:	Date and Time:
Call Back Telephone Number(s):	

Incident Information

Any injuries:	
What are the hazards:	
What dangerous goods are involved:	Placard(s):
Is there a release of dangerous goods:	
Other pertinent information:	
Exact location of the incident:	
Any emergency services on scene:	
Who has been notified:	
Is the road being blocked:	
Wind speed and direction:	Local weather conditions:
Nearby water courses or drainage systems:	
Other exposures:	
Identification of transport vehicle:	
Name of carrier, license No. or car No.:	

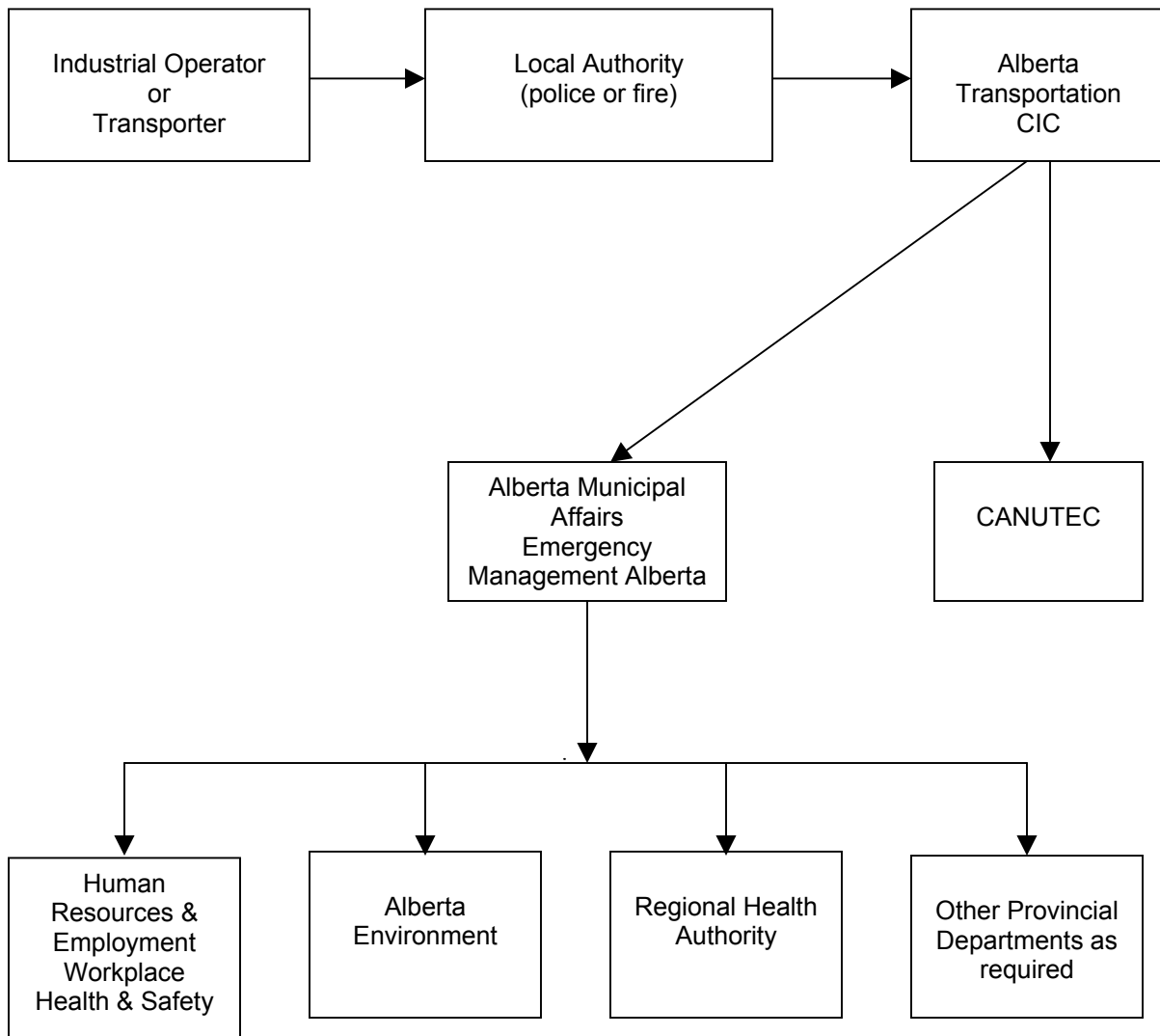
Level of Incident

Level 1 Level 2 Level 3

Person completing this form: _____ Date/Time: _____

Area for notes or diagram:

Alberta Transportation's Coordination and Information Centre (CIC) may be informed of a dangerous goods incident from a number of sources. After confirming the information and ensuring that the local authority's response has been activated, the duty Coordination and Information Officer will notify Emergency Management Alberta, Alberta Environment and all other departments, boards, and agencies and crown corporations who may be involved.



Tasks Matrix – Alberta Environment

Before the Event		
✓	Task	Notes
	Prepared to assist the Local Authority with response to a dangerous goods incident	
	Reviews and recommends changes to this plan	
	Participates in testing of this plan when it is exercised	
	Trains personnel to carry out functions as assigned by their emergency plan or procedures	
	Maintains the capability of sending an Emergency Planning Officer (EPO) to the CMOC on a 7/24-hour basis	
	Maintains 7/24-hour emergency contact number where resources can be accessed to carry out a response related to this plan	

During the Event		
✓	Task	Notes / Time
	If notified of a dangerous goods emergency, inform the Alberta Transportation Coordination and Information Centre of the incident	
	Provides representation to the OSCP on a 7/24-hour basis, when requested	
	Provides oversight role in ensuring air monitoring requirements are being met and provide recommendations concerning safety of public and the environment	
	Ensures the air-monitoring log is being maintained	
	Participates in the evaluation of potential area at risk from product spills or releases	
	Provides assistance in monitoring discharges and ensuring appropriate mitigation actions are taken to reduce the impact of liquid releases for land based spills and ensures watercourses are protected	
	Sends an Emergency Planning Officer (EPO) to the CMOC, when requested by Alberta Municipal Affairs, Emergency Management Alberta	

After the Event		
✓	Task	Notes
	Compiles and maintains environment related records and log	
	May request and review the environmental impact assessment	
	Carries out investigation, when required having regard for the existing investigative protocols and procedures	

After the Event		
✓	Task	Notes
	Monitors environmental recovery, where implemented	
	Participates in event debriefings having regard for any ongoing investigation	
	Investigates non-compliance with the <u>Environmental Protection and Enhancement Act</u> and the <u>Water Act</u> . The investigation may be coordinated with, or be independent of any other investigation in relation to the incident	

Tasks Matrix – Human Resources and Employment – Workplace Health and Safety

Before the Event		
✓	Task	Notes
	Prepared to assist in the response to dangerous goods incident	
	Reviews and recommends changes to this plan	
	Participates in testing of this plan when it is exercised	
	Trains personnel to carry out functions as assigned by their emergency plan or procedures	
	Maintains the capability of sending an Emergency Planning Officer (EPO) to the CMOC on a 7/24-hour basis	
	Maintains 7/24-hour emergency contact number where resources can be accessed to carry out a response related to this plan	

During the Event		
✓	Task	Notes
	If notified directly by the industrial operator of a dangerous goods emergency, informs the CIC	
	Provides liaison officer to the OSCP, MEOC or an EPO to the CMOC, when requested	
	Monitors the health and safety aspects of applicable occupations within the hazard area to ensure that the necessary precautions are taken to protect the workers' safety	

After the Event		
✓	Task	Notes
	Compiles and maintains health and safety related records and log	
	Carries out investigation, when required	
	Determines the site is safe for recovery workers	
	Participates in event debriefings	
	Investigates non-compliance with the Occupational Health and Safety Act. The investigation may be coordinated with, or independent of any other investigation in relation to the incident	

Tasks Matrix – Transportation – Dangerous Goods & Rail Safety

Before the Event		
✓	Task	Notes
	Maintains 7/24 hour operations at the Coordination and Information Centre	
	Develops and maintains an emergency notification list for dangerous goods response	
	Notifies Emergency Management Alberta when informed of Level 2 or Level 3 incidents	
	Informs Emergency Management Alberta's Duty Manager to activate this support plan	
	Trains personnel to carry out functions as assigned by their emergency plan or procedures	

During the Event		
✓	Task	Notes / Time
	Notifies Emergency Management Alberta and ensures local police are aware of Level 2 and Level 3 incidents	
	Sends a Dangerous Goods Inspector to the incident to assist in the response	
	Sizes up the incident and confirms the level of impact	
	Ensures security perimeter is in place for public safety when needed	
	Provides situation reports (SitReps) on a timely basis and communicates them to the CIC	
	Communicates that the response has terminated	

After the Event		
✓	Task	Notes
	Conducts investigation, as required	
	Participates in any multi-agency and/or public review of the response	
	Completes reports and recommendations	

Tasks Matrix – Industrial Operator

Before the Event		
✓	Task	Notes
	Consults with local authority regarding the development of the site-specific emergency response plan and the coordination of response resources	
	Develops and maintains an emergency notification list that contains internal and external organizations on a 7/24 hours basis	
	Develops and maintains the organization specific / site-specific emergency response plan	
	Trains personnel to carry out functions as assigned by their emergency plan or procedures	
	Exercises the emergency response plan	
	Maintains the emergency response plan	
	Communicates emergency plan updates and exercise results with the local authority	
	Maintains a 7/24-hour emergency contact number	

During the Event		
✓	Task	Notes / Time
	Notifies the local police and CIC of any reportable incident	
	Completes and records all notifications required by applicable legislation	
	Activates the site-specific emergency response plan, when necessary	
	Responds to the incident	
	Sizes up the incident and determines the level of impact	
	Sets security perimeter as required	
	Communicates the level of impact, as defined by this plan, to the CIC and the local authority	
	Initiates actions to control or contain the incident	
	Initiates public protective actions as necessary	
	Establishes an on-site command post	
	Mobilizes resources to mitigate the event	
	Provides situation reports (SitReps) on a timely basis and sends them to the local authority and CIC	
	Develops an action plan to mitigate the event	
	Develops a site safety response plan	
	Communicates with the public and the media on a timely basis	
	Brings the event under control	
	Communicates when the response has terminated	

After the Event		
✓	Task	Notes
	Conducts a damage assessment	
	Develops a recovery plan	
	Initiates recovery operation	
	Conducts an organizational review of the response	
	Completes and delivers all reports required by provincial or federal legislation	
	Identifies the causes of the event and carries out any mitigative actions that would reduce any future events of this type	
	Participates in any multi-agency and/or public review of the response	
	Updates emergency plans, as required	
	Tests the updated emergency plan through an exercise	
	Communicates emergency plan updates to all plan holders	

Tasks Matrix – Local Authority

Before the Event		
✓	Task	Notes
	Conducts a hazard assessment of facilities and transportation corridors	
	Works with the industrial operator to effectively prepare for a dangerous goods incident. Provide input to the industrial operators site-specific plan to ensure it is compatible with the Municipal Emergency Plan (MEP)	
	Includes preparedness and response information concerning facilities and transport operations in the MEP	
	Trains personnel to carry out functions as assigned by the municipal emergency plan or procedures	

During the Event		
✓	Task	Notes / Time
	If notified of a dangerous goods emergency, inform the CIC	
	Responds to and assesses emergency incident	
	Activates the emergency public warning system to alert the public to life threatening hazards, as required	
	Initiates public protection option, as required	
	Establishes and maintains communications with industrial operator during emergencies	
	Activates the MEP, when required	
	Manages the local authority's emergency response	
	Activates the municipal EOC, as required	
	If necessary, declares a local state of emergency	
	Establishes a public information service, including the use of the news media to inform and instruct the public of the emergency and of any protective actions to be taken	
	Provides timely news releases	
	Informs response partnership and the public when the emergency is over	

After the Event		
✓	Task	Notes
	Conducts a damage assessment	
	Compiles municipal log	
	Properly shuts down EOC	
	Conducts and documents municipal incident debriefing	
	Participates in multi agency debriefings	
	Reviews and updates the MEP	
	Communicates any changes to the plan to all plan holders	
	Tracks costs associated with the response	

Tasks Matrix – Emergency Management Alberta

Before the Event		
✓	Task	Notes / Time / Date
	Prepared to assist the Local Authority with responses to dangerous goods incidents	
	Develops and maintains this plan	
	Reviews this plan bi-annually	
	Makes the plan available to stakeholders	
	Trains personnel to carry out functions as assigned by emergency plans or procedures	
	Tests the plan through an exercise	
	Communicates changes to the plan with stakeholders	
	Maintains 7/24-hour duty manager system	
	Maintains CMOC readiness	
	Activates CMOC within 20-minutes of notification	

During the Event		
✓	Task	Notes / Time
	If notified of a Level 2 or Level 3 dangerous goods emergency, informs other organizations identified in Appendix H of this plan	
	For a Level 3 emergency, the Emergency Management Alberta's duty manager obtains a SitRep from the local authority and the industrial operator	
	Activates this plan when necessary	
	The duty manager notifies the appropriate provincial officials as per operating procedures	
	Prepares briefing note, as appropriate	
	When requested by the local authority or when there is a Level 3 emergency, dispatches Emergency Management Alberta's District Officer (liaison officer) to the municipal EOC	
	When requested, activates the CMOC to support municipal emergency operations	
	Activates the PMIR to support and coordinate public and media information, when required	
	Provides on-going SitReps or briefing notes to appropriate provincial officials	
	Notifies organizations in Appendix H when the emergency is over	

After the Event		
✓	Task	Notes
	Debriefs staff/CMOC participants	
	Compiles Duty Managers' and/or CMOC log	
	Properly shuts down CMOC, when activated	
	Participates in event debriefings	
	Reviews and updates this plan	

After the Event		
✓	Task	Notes
	Communicates any changes to the plan to all plan holders	
	Completes report in relation to the activation of this plan and about the incident	

Tasks Matrix – Regional Health Authority

Before the Event		
✓	Task	Notes
	Prepared to assist the Local Authority with health related information during dangerous goods emergencies	
	Reviews and recommends changes to this plan	
	Participates in testing of this plan when it is exercised	
	Maintains current health related information for dangerous goods	
	Trains personnel to carry out functions as assigned by their emergency plan or procedures	
	Maintains 7/24-hour emergency contact number for each RHA where resources can be accessed to carry out a response related to this plan	

During the Event		
✓	Task	Notes / Time
	Provides representation at the OSCP or MEOC, when requested	
	Provides health related information about toxic chemicals and combustion by-products	
	Provides accurate information to the public concerning any health effects from a dangerous goods incident	
	Establishes health and safety information for product releases	
	Monitors the health effects resulting from the event and ensures appropriate data is collected and maintained	
	Investigates health complaints from the public	
	Provides advice to the CMOC concerning any adverse health effects associated with the incident	
	Provides health advice and safety levels for any health or special care facilities and for other persons that are likely to be sensitive from the impact as a result of the incident	
	Ensures local hospitals are alerted when there is potential for an impact from a release	

After the Event		
✓	Task	Notes
	Compiles and maintains health related records and log	
	Participates in event debriefings	
	Completes incident related reports	

Tasks Matrix – Sustainable Resource Development – Forest Protection, Natural Resources Services, and Fisheries and Wildlife Management

Before the Event		
✓	Task	Notes
	Prepared to assist the local authority with response to dangerous goods incidents in the “green area”	
	Reviews and recommends changes to this plan	
	Participates in testing of this plan when it is exercised	
	Trains personnel to carry out functions as assigned by their emergency plans or procedures	
	Maintains the capability of sending an Emergency Planning Officer (EPO) to the CMOC on a 7/24-hour basis	
	Maintains 7/24-hour emergency contact number where resources can be accessed to carry out a response related to this plan	

During the Event		
✓	Task	Notes / Time
	If notified of dangerous goods incident, inform the CIC and the local authorities	
	Notifies Fisheries and Wildlife Management staff in the area about the event for safety purposes	
	Fisheries and Wildlife Management Conservation Officers may be requested to assist the industrial operator and/or the local authority in establishing and maintaining roadblocks	
	Forest Protection staff assists in notifying forestry personnel and Fish and Wildlife of any hazard	
	Assists in locating transients for evacuation	
	Inform transients within the hazard area of the released contaminants and safety measures to take	
	Provides advice to mitigate the release in the “green area”	
	Provides a representative to the OSCP and the off-site REOC, when requested	
	Fights any fires started as the result of the dangerous goods incident within the “green area”	

After the Event		
✓	Task	Notes
	Compiles and maintains event records and log	
	Conducts forest impact assessment	
	Participates in event debriefings	
	Completes reports concerning the incident	

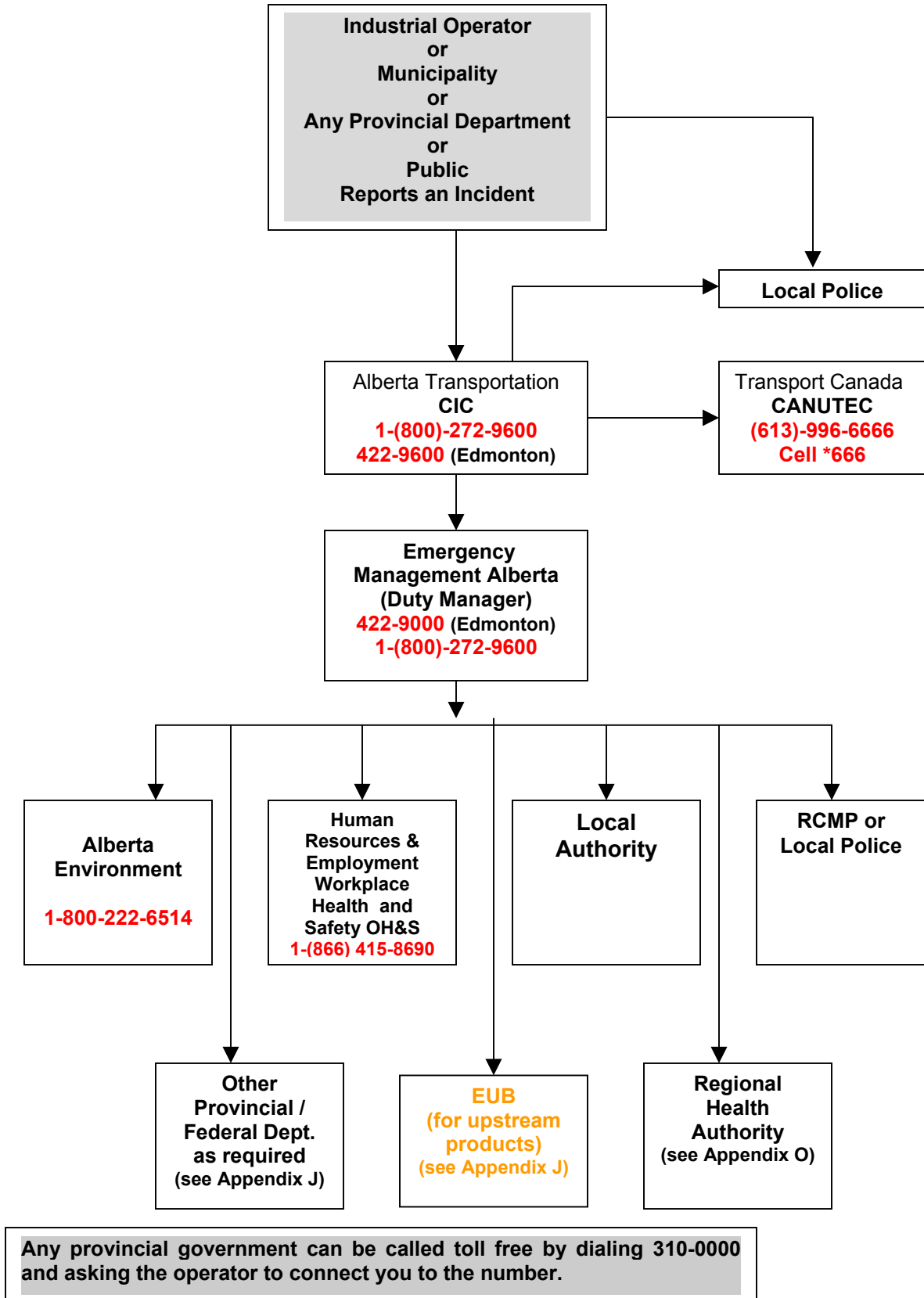
Tasks Matrix – Energy and Utilities Board

Before the Event		
✓	Task	Notes
	Prepared to respond to upstream petroleum industry dangerous goods incidents	
	Participates in dangerous goods exercises relating to the upstream petroleum industry	
	Trains personnel to carry out functions as assigned by emergency plans or organizational procedures	
	Reviews and recommends changes to this plan	
	Participates in the validation and testing of this plan	
	Maintains a 7/24-hour telephone contact where upstream petroleum dangerous goods incidents can be reported	
	Maintains the capability of sending an Emergency Planning Officer (EPO) to the CMOC on a 7/24-hour basis	
	Assesses upstream operators' response capability	
	Maintains 7/24-hour emergency contact number where resources can be accessed to carry out a response to this plan	

During the Event		
✓	Task	Notes / Time
	Dispatches an EUB representative to the site of the incident, as required	
	Confirms or requests initial local or provincial resources required to respond to the emergency. Notifies Alberta Municipal Affairs, Emergency Management Alberta of incidents. All additional requests for provincial/federal response resources are made through Alberta Municipal Affairs, Emergency Management Alberta	
	Activates this plan, when required	
	Confirm or implement public safety actions taken to ensure the safety of the public and property	
	Provide Situation Reports to Alberta Municipal Affairs, Emergency Management Alberta on a timely basis	
	Send a EUB representative to the OSCP, when required	
	Send a EUB representative to the MEOC, when required	

After the Event		
✓	Task	Notes
	Carry out investigations, when required	
	Follow Incident Response & Reporting Protocols	
	Participates in and documents incident debriefing	
	Recommend any mitigative actions that may reduce the event from re-occurring	
	Updates emergency plans and procedures, as required	

Government Notification and Call Down System Upstream Petroleum Industry Incident



Emergency Telephone Numbers 24-hours unless noted

Alberta Transportation		
Location	Telephone	Fax
Province wide	1-(800) 272-9600	(780) 427-1044
Edmonton area	422-9600	427-1044

Emergency Management Alberta		
Location	Telephone	Fax
Normal Working Hours	(780) 422-9000	(780) 422-1549
After Hours	1-(800) 272-9600	422-1549

Alberta Environment		
Location	Telephone	Fax
Province wide	1-(800) 222-6514	(780) 427-3178
Edmonton area	(780) 422-4505	(780) 427-3178

Alberta Energy & Utilities Board		
Location	Telephone	Fax
Bonnyville Field Centre	(780) 826-5352	(780) 826-2366
Drayton Valley Field Centre	(780) 542-5182	(780) 542-2540
Grande Prairie Field Centre	(780) 538-5138	(780) 538-5582
Medicine Hat Field Centre	(403) 527-3385	(403) 529-3103
Midnapore Field Centre	(403) 297-8303	(403) 297-5283
Red Deer Field Centre	(403) 340-5454	(403) 340-5136
St. Albert Field Centre	(780) 460-3800	(780) 460-3802
Wainwright Field Centre	(780) 842-7570	(780) 842-7536

Alberta Human Resources and Employment – Workplace Health & Safety		
Location	Telephone	Fax
Province wide	1-(866) 415-8690	(780) 427-5698

Alberta Sustainable Resource Development – Fish and Wildlife Division		
Location	Telephone	Fax
Province wide	1 (800) 642-3800	(780) 427-0292
Edmonton area (normal working hours)	(780) 427-4943	(780) 422-9560

Alberta Sustainable Resource Development – Forest Protection Division		
Location	Telephone	Fax
Province wide	1-(800) 427-3473	(780) 427-0292
Edmonton area (normal working hours)	(780) 427-6807	(780) 422-0292

TELUS – Provincial Network Operations Centre		
Location	Telephone	Fax
Calgary	(403) 530-5000	

Local Contacts (fill in the telephone numbers for your area)		
Location	Telephone	Fax
Ambulance		
EUB		
Fire		
Local Authority		
RCMP		
Public Health Authority		
Regional Health Authority		
Regional Dangerous Goods Team		

Post Incident Report Form for Government Department/Agency Use When this Plan is Activated

Department/Agency Information

Department/Agency:	
Representative:	
Position:	Telephone:

Event Specific Information

Incident Location: DLS _____ - _____ - _____ - _____ W _____ M
Name of Industrial Operator:
Dangerous Goods Involved a the Nature of the Emergency:
Duration of Response: _____ days # Of Man-days Devoted to Response: _____
Other Resources Used (may include monitoring units, aircraft, buses, etc.):

Department/Agency role during the response?

--

Financial Information

Total estimated cost of response to department/agency:	\$ _____ . _____
--	------------------

What went well in the response?

--

Areas for improvement?

--

Miscellaneous Questions

	Yes	No
Was your department/agency able to respond effectively?		
Identify what additional training in emergency operations would be beneficial?		

Return this form to:

**Executive Director
Emergency Management Alberta
14515 – 122 Avenue
Edmonton, Alberta T5L 2W4**

Guide for Determining Impact Level and Possible Actions				
Incident Impact Level	Criteria	Incident Examples	Possible Industrial Operators Actions	Possible Government Actions
Level 1	<ul style="list-style-type: none"> A spill or release that presents no danger or impact beyond the industrial operator's property Immediate control of the hazard source Minimal environmental impact No media interest Situation handled by industrial operator's on-site personnel 	<ul style="list-style-type: none"> A minor, non-reportable spill at a loading site Minor workplace injury An odour inquiry Breach of site security A non-dangerous goods fire near a location where dangerous goods are located 	<ul style="list-style-type: none"> Industrial operator response Incident investigation Meets government reporting requirements Company personnel placed on standby 	<ul style="list-style-type: none"> No response action Situation monitored Regulatory authorities may investigate
Level 2	<ul style="list-style-type: none"> No immediate danger to the public or environment, but there is potential A public protection action has been taken (roadblock, evacuation, NOTAMs) 	<ul style="list-style-type: none"> Notification is required by the <u>Dangerous Goods Regulations</u> Containment vessel or packaging damaged 	<ul style="list-style-type: none"> Requires a response by the industrial operator or contractor Partial or full activation of emergency plan 	<ul style="list-style-type: none"> Incident response Security perimeter Municipal emergency plan activated Partial activation of MEOC

Guide for Determining Impact Level and Possible Actions				
Incident Impact Level	Criteria	Incident Examples	Possible Industrial Operators Actions	Possible Government Actions
Level 3	<ul style="list-style-type: none"> A spill, release of emission which presents a danger to the public, property or has significant impact on the environment 	<ul style="list-style-type: none"> A facility or transport emergency in which the emergency response assistance plan requires activation 	<ul style="list-style-type: none"> Send technical advisor to the location of the incident Activates own emergency response plan Activates in house and municipal emergency responders Activates a response contractor or mutual assistance 	<ul style="list-style-type: none"> Local authority activates MEP This <u>Dangerous Goods Incident Support Plan</u> is activated Possible declaration of a local state of emergency

1. Alberta Emergency Plan, Alberta Municipal Affairs, Emergency Management Alberta
2. 2000 Emergency Response Guidebook, US Department of Transportation, Research and Special Programs Administration; Transport Canada, Safety and Security, Dangerous Goods.
3. Transport of Dangerous Goods Regulations, Transport Canada

Emergency Management in Alberta

The following tables provide a reference of various documents that make up part of the emergency preparedness activities within the province.

For information about the following emergency plans or emergency planning models, contact:

Emergency Management Alberta
Alberta Municipal Affairs
14515 – 122 Avenue
Edmonton, AB T5L 2W4

Tel: (780) 422-9000 (In Alberta call toll free: 310-0000)
Fax: (780) 422-1549

Legislation		
Name	Reference	Comments
Disaster Services Act	Chapter D-13 RSA	<ul style="list-style-type: none"> - Crown bound - Administration - State of emergency
Government Emergency Planning Regulation	Alberta Regulation 62/2000	<ul style="list-style-type: none"> - Responsibilities of Emergency Management Alberta - Responsibilities of departments - Emergency plans of departments - Emergency Planning Officers
Disaster Recovery Regulation	Alberta Regulation 51/94	<ul style="list-style-type: none"> - Guidelines - Limits on compensation - Widespread disasters - Localized disasters - Emergency operations compensation

Provincial Plans	
Name	Comments
Alberta Emergency Plan	<ul style="list-style-type: none"> - Contains the provincial framework for planning and coordinating assistance, providing guidelines for government departments and agencies when a response requires provincial resources - Describes national emergency arrangements - Describes government departments and agency responsibilities
Alberta Emergency Public Warning System (EPWS) – Operational Plan	<ul style="list-style-type: none"> - EPWS is designed to give local government officials the ability to broadcast an emergency warning quickly and directly to radio, cable and television stations
Upstream Petroleum Incident Support Plan	<ul style="list-style-type: none"> - Outlines how the government and private sector will assist the industrial operator and local authorities to respond to a upstream petroleum incident

Provincial Plans	
Name	Comments
Support Plan for Catastrophic Earthquake in British Columbia	<ul style="list-style-type: none"> - The purpose of this plan is to co-ordinate public and private sector support to assist British Columbia to respond to and recover from a catastrophic earthquake - Outlines how the governments of Alberta and Canada and local authorities in Alberta will support provincial and federal authorities in British Columbia with public and private sector resources
Support Plan for Search and Rescue Operations	<ul style="list-style-type: none"> - Outlines how provincial departments, the Department of National Defence, the Canadian Parks Service, police services, and non-governmental organizations will coordinate search and rescue operations

Planning Models	
Name	Comments
Dam Breach Emergency Response Plan	<ul style="list-style-type: none"> - Developed by Emergency Management Alberta and the Dam Safety and Water Projects Branch of Alberta Environment - Intended to assist dam owners in the development and implementation of their Dam Breach Emergency Response Plan
First Nations School Disaster Plan	<ul style="list-style-type: none"> - A guideline to help emergency planners in the development, implementation, assessment and revision of school disaster plans
Government Department Business Resumption Guide	<ul style="list-style-type: none"> - Assists departments affected by an emergency or disaster to restore essential services as quickly as possible so that service to the public or other clients can be continued
Healthcare Facility – Mass Casualty Response Planning Model	<ul style="list-style-type: none"> - Assists local health authorities to develop, implement, assess, and revise mass casualty response plans for active treatment hospitals
Healthcare Facility – External Evacuation Planning Model	<ul style="list-style-type: none"> - Assists local health authorities to develop, implement, assess, and revise evacuation plans for healthcare facilities
Model Plan for First Nation Communities	<ul style="list-style-type: none"> - Assists first nation communities in developing, implementing or revising their emergency plans
Model Plan for Municipalities	<ul style="list-style-type: none"> - Assists municipalities in developing, implementing or revising their emergency plans and uses a standardized format that facilitates an effective co-ordination of resources when mutual aid assistance is required

Planning Models	
Name	Comments
Occupational Health Facility – Mass Casualty Response Planning Model	<ul style="list-style-type: none"> - Assists occupational health personnel to develop, implement, assess, and revise their mass casualty response plans - Assists staff to address all aspects of planning, staff responsibilities, activation of the plan, and includes functional area check lists
School Board Disaster Planning Model	<ul style="list-style-type: none"> - Assists school board emergency planners in the development, implementation, assessment and revision of their school board disaster plans
School Disaster Planning Model	<ul style="list-style-type: none"> - Assists school disaster planners in the development, implementation, assessment and revision of their school disaster plans

Regional Health Authorities

Health Region 1 Communities			
Contact	RHA Office Telephone	Fax Number	24-Hour Telephone
Lethbridge Regional Hospital	(403) 382-6009	(403) 382-6011	(403) 381-4636
Medical Officer/Health	Address	Email	Telephone
Dr. Paul Hasselback	801 – 1 st St. Lethbridge T1J 4L5	phassel@mail.chr.ab.ca	(403) 382-6014 (403) 382-6665
Aetna	Barnwell	Barons	Bellevue
Blairmore	Brocket	Cardston	Coaldale
Coalhurst	Coleman	Coutts	Cowley
Cranford	Del Bonita	Diamond City	Enchant
Fort Macleod	Glenwood	Granum	Grassy Lake
Hays	Hill spring	Hillcrest Mines	Iron Springs
Lethbridge	Lundbreck	McGrath	Milk River
Monarch	Mountain View	New Dayton	Nobleford
Picture Butte	Pincher Creek	Purple Springs	Raymond
Shaughnessy	Spring Coulee	Stand Off	Stirling
Taber	Turin	Twin Butte	Vauxhall
Warner	Waterton Park	Welling	Wrentham

Health Region 2 Communities			
Contact	RHA Office Telephone	Fax Number	24-hour Telephone
Medicine Hat Regional Hospital	(403) 528-5633	(403) 529-8998	(403) 529-8000
Medical Officer/Health	Address	Email	Telephone
Dr. Vince DiNinno	666 - 5 th St. SW Medicine Hat T1A 4H6	vdinino@ palliserhealth.ca	(403) 529-8024 1-800-606-1008
Acadia Valley	Aden	Bassano	Big Stone
Bindloss	Bow Island	Brooks	Buffalo
Burdett	Cereal	Cessford	Chinook
Dorothy	Duchess	Dunmore	Elkwater
Empress	Esther	Etzikom	Finnegan
Foremost	Gem	Hilda	Iddesleigh
Irvine	Jenner	Maleb	Manyberries
Medicine Hat	Millicent	New Bridgen	Onefour
Orion	Oyen	Patricia	Pollockville
Rainier	Ralston	Redcliff	Rolling Hills
Rosemary	Scandia	Schuler	Sedalia
Seven persons	Sibbald	Skiff	Sunnynook
Tilley	Walsh	Wardlow	Youngstown

Health Region 3 Communities			
Contact	RHA Office Telephone	Fax Number	24-hour Telephone
Foothills Medical Centre Calgary	(403) 541-3670	(403) 541-3681	(403) 264-5615
Medical Officer/Health	Address	Email	Telephone
Dr. Brent Friesen	10101 Southport Rd. SW Calgary T2W 3N2	brent.friesen@calgaryhealthregion.ca	(403) 943-1279 (403) 943-1280
Airdrie	Aldersyde	Arrowwood	Balzac
Banff	Beiseker	Black Diamond	Blackie
Bragg Creek	Brant	Calgary	Canmore
Carmangay	Carseland	Cayley	Champion
Chestermere	Chestermere Lake	Claresholm	Cluny
Cochrane	Crossfield	Dalemead	De Winton
Dead Man's Flats	Delacour	Ensign	Exshaw
Gleichen	Harvie Heights	High River	Hussar
Irricana	Kananaskis	Kathryn	Keoma
Lac Des Arcs	Lake Louise	Langdon	Lomond
Longview	Lyalta	Madden	Millarville
Milo	Morley	Mossleigh	Nanton
Okotoks	Parkland	Priddis	Redwood Meadows
Rockyford	Rosebud	Seebe	Siksika
Standard	Stavely	Strathmore	Tsuu T'ina
Turner Valley	Vulcan		

Health Region 4 Communities			
Contact	RHA Office Telephone	Fax Number	24-hour Telephone
Red Deer Regional Hospital	(403) 341-8622	(403) 341-8632	(403) 343-4747
Medical Officer/Health	Address	Email	Telephone
Dr. Martin Lavoie	2845 Bremner Ave. Red Deer T4R 1S2	mlavoie@dthr.ab.ca	(403) 341-2482
Acme	Alder Flats	Alhambra	Alix
Alsike	Altario	Benalto	Bentley
Big Valley	Birchcliff	Blackfalds	Bluffton
Botha	Bowden	Brenton	Brownfield
Buck Creek	Buck Lake	Byemoor	Carbon
Carnwood	Caroline	Carstairs	Castor
Clive	College Heights	Compeer	Condor
Consort	Coronation	Craigmyle	Cremona
Cynthia	Delburne	Delia	Didsbury
Donalda	Drayton Valley	Drumheller	East Coulee
Eckville	Elnora	Endiang	Erskine
Falun	Fenn	Gadsby	Gwynne
Halfmoon Bay	Halkirk	Hanna	Hobbema
Huxley	Innisfail	James River Bridge	Jarvis Bay
Kirriemuir	Lacombe	Lacombe County	Leslieville
Lindale	Linden	Lodgepole	Lousana
Ma-Me-O Beach	Marketville	Millet	Mirror
Monitor	Morrin	Mulhurst Bay	Munson
Mynarski Park	Nacmine	Nevis	Nordegg
Norglenwold	Olds	Penhold	Pine Lake
Ponoka	Red Deer	Red Willow	Rimbey
Rocky Mt. House	Rocky Rapids	Rosedale Station	Rosedale Valley
Rowley	Rumsey	Springbrook	Spruce View
Stauffer	Stettler	Sundre	Swalwell
Sylvan lake	Tees	Three hills	Throne
Torrington	Trochu	Veteran	Water Valley
Westerose	Wetaskiwin	Wimborne	Winfield

Health Region 5 Communities			
Medical Officer/Health	Address	Email	Telephone
Dr. Gerhard Benade	4615 – 56 St. Camrose T4V 4M5	gerhard.benade@eastcentralhealth.com	(780) 679-2975
Alliance	Amisk	Andrew	Armena
Bashaw	Bawlf	Beauvallon	Bittern Lake
Blackfoot	Bodo	Brosseau	Bruce
Bruderheim	Cadogan	Camrose	Chauvin
Chipman	Clandonald	Czar	Daysland
Denwood	Derwent	Dewberry	Edberg
Edgerton	Ferintosh	Forestburg	Galahad
Hairy Hill	Hardisty	Hay Lakes	Hayter
Heath	Heisler	Hilliard	Holden
Hughenden	Innisfree	Irma	Islay
Kelsey	Killam	Kingman	Kinsella
Kitscoty	Lamont	Lavoy	Lloydminister
Lougheed	Mannville	Marwayne	McLaughlin
Meeting Creek	Metiskow	Minburn	Mundare
Musidora	Myrnam	New Norway	Ohaton
Paradise Valley	Provost	Ranfurlly	Rivercourse
Rosalind	Round Hill	Ryley	Sedgewick
St Michael	Star	Streamstown	Strome
Tofield	Tulliby Lake	Two Hills	Vegreville
Vermilion	Viking	Wainwright	Willington
Wostok			

Health Region 6 Communities			
Contact	RHA Office Telephone	Fax Number	24-hour Telephone
University of Alberta Edmonton	(780) 407-1000	(780) 407-7161	(780) 433-1441
Medical Officer/Health	Address	Email	Telephone
Dr. Gerry Predy	Suite 300 10216 – 124 St. NW Edmonton T5N 4A3	gperdy@cha.ab.ca	(780) 413-7900
Alcomdale	Ardrossan	Beaumont	Bon Accord
Calahoo	Calmar	Carvel	Cooking Lake
Devon	Duffield	Edmonton	Enoch
Entwhistle	Evansburg	Fallis	Fort Saskatchewan
Gainford	Gibbons	Kapasiwin	Lancaster Park
Leduc	Legal	Morinville	Namao
New Sarepta	Nisku	North Cooking Lake	Redwater
Riviere Qui Barre	Rolly View	Seba Beach	Sherwood Park
Spruce Grove	Spruce Grove/ Aspen	St Albert	Stony Plain
Sunnybrook	Thorsby	Tomahawk	Wabamun
Warburg	Winterburn		

Health Region 7 Communities			
Medical Officer/Health	Address	Email	Telephone
Dr. Paul Schnee	10003 – 100 St. Westlock T7P 2E8	p.schnee@shaw.ca	(780) 349-8705
Abee	Alberta Beach	Ardmore	Ashmont
Athabasca	Atmore	Barrhead	Bellis
Bloomsbury	Blue Ridge	Bonnyville	Boyle
Boyne Lake	Breynat	Brule	Busby
Cadomin	Calling Lake	Camp Creek	Canyon Creek
Carrot Creek	Caslan	Cherhill	Cherry Grove
Chisholm Mills	Clyde	Cold Lake	Colinton
Dapp	Darwell	Desmarais	Edson
Egremont	Elk Point	Ellscott	Fawcett
Flatbush	Foisy	Fort Assiniboine	Fort Kent
Frog Lake	Glendon	Glenevis	Goodfish Lake
Goodridge	Grand Centre	Grasslands	Gunn
Gurneyville	Heinsburg	Hinton	Hondo
Hoselaw	Hylo	Iron River	Island Lake
Island South Lake	Jarvie	Jasper	Kehewin
Kiniko	La Corey	Lac La Biche	Lac Ste. Anne County
Lafond	Lake Isle	Lindbergh	Lone Pine
Mallaig	Mayerthorpe	Mcrae	Medley
Neerlandia	Nestow	Newbrook	Niton Junction
Onoway	Opal	Peerless Lake	Peers
Perryvale	Pickardville	Plamondon	Radway
Red Earth Creek	Robb	Rochester	Rochfort Bridge
Saddle Lake	Sangudo	Slave Lake	Smith
Smoky Lake	South Baptiste	Spedden	Sputinow
St Brides	St Lina	St Paul	St Vincent
Swan Hills	Tawatinaw	Thorhild	Tiger Lily
Trout Lake	Vega	Vilna	Vimy
Wabasca	Wandering River	Warspite	Waskatenau

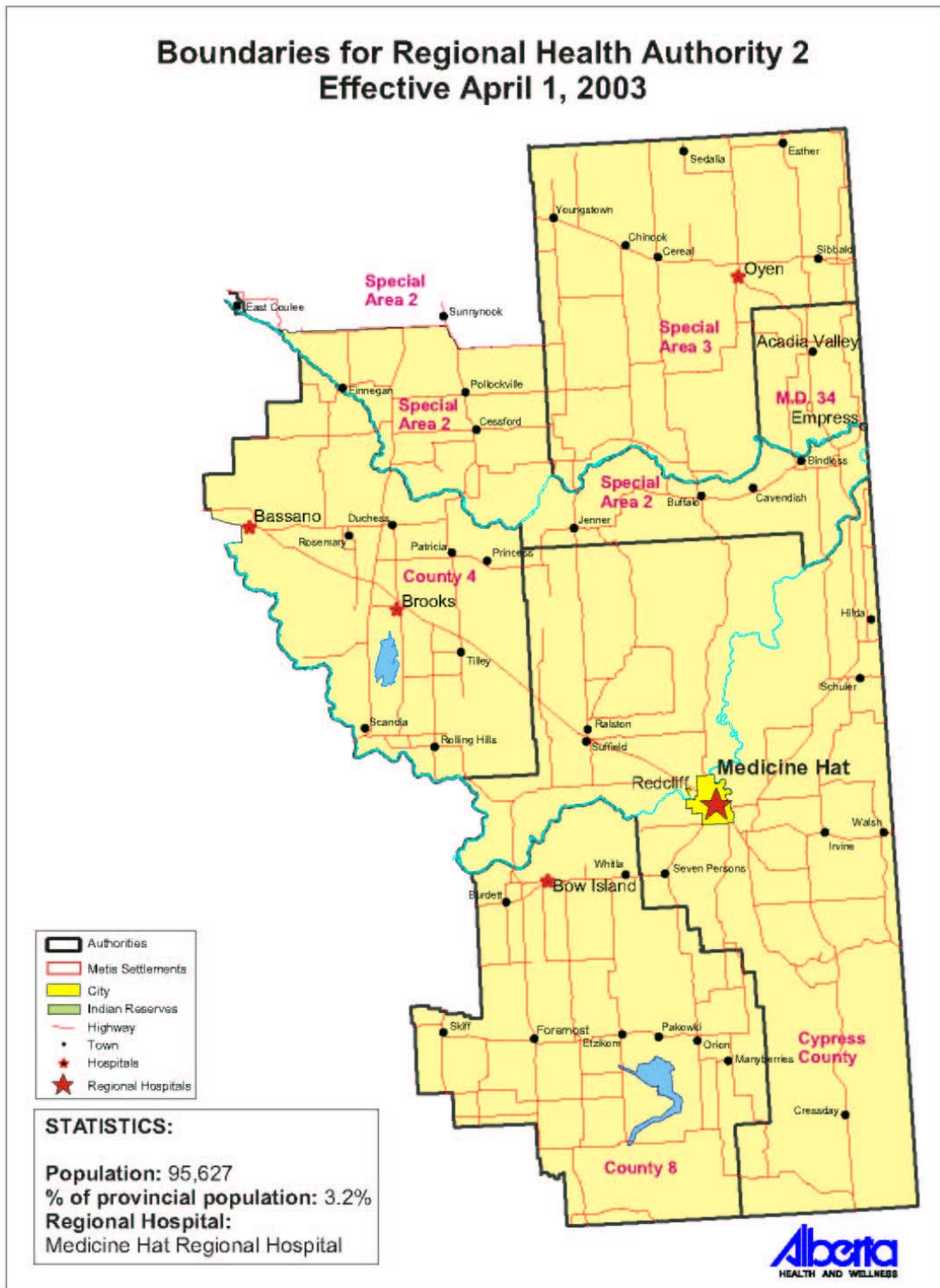
Health Region 8 Communities			
Contact	RHA Office Telephone	Fax Number	24-hour Telephone
Queen Elizabeth II Hospital Grande Prairie	(780) 538-5387	(780) 538-5455	(780) 538-7100
Medical Officer/Health	Address	Email	Telephone
Dr. Gerry Predy	2101, 10320 - 99 St. Grande Prairie T8V 6J4	bwayland@mhr.ab.ca	(780) 538-5387
Atikameg	Bay Tree	Bear Canyon	Beaverlodge
Berwyn	Bezanson	Blueberry Mountain	Bluesky
Bonanza	Brownvale	Cadotte Lake	Calais
Carcajou	Cherry Point	Clairmont	Cleardale
Crooked Creek	Deadwood	Debolt	Demmitt
Dixonville	Donnelly	Driftpile	Eaglesham
Elmworth	Enilda	Eureka River	Fairview
Falher	Faust	Fox Creek	Gift Lake
Girouxville	Goodfare	Gordondale	Grande Cache
Grande Prairie	Grimshaw	Grouard	Grovedale
Gundy	Guy	High Prairie	Hines Creek
Hotchkiss	Hythe	Jean Cote	Joussard
Keg River	Kinuso	La Glace	Little Smoky
Manning	Marie Reine	McLennan	Nampa
North Star	Notikewin	Peace River	Rycroft
Sexsmith	Silver Valley	Spirit River	St Isidore
Sunset House	Tangent	Valhalla Centre	Valleyview
Wanham	Watino	Wembley	Whitelaw
Woking	Worsley		

Health Region 9 Communities			
Contact	RHA Office Telephone	Fax Number	24-hour Telephone
Northern Lights Regional Health Centre Fort McMurray	(780) 791-6024	(780) 791-6029	(780) 791-6161
Medical Officer/Health	Address	Email	Telephone
Dr. A.J. Nicholson	7 Hospital St. Fort McMurray T9H 1P2	anicholson@nlrha.ab.ca	(780) 791-6137
Anzak	Buffalo Head Prairie	Chard	Chateh
Conklin	Fort Chipewyan	Fort McKay	Fort McMurray
Fort Vermilion	Fox Lake	Garden River	High Level
John D'Or Prairie	La Crete	Meander River	Paddle Prairie
Rainbow Lake	Zama City		

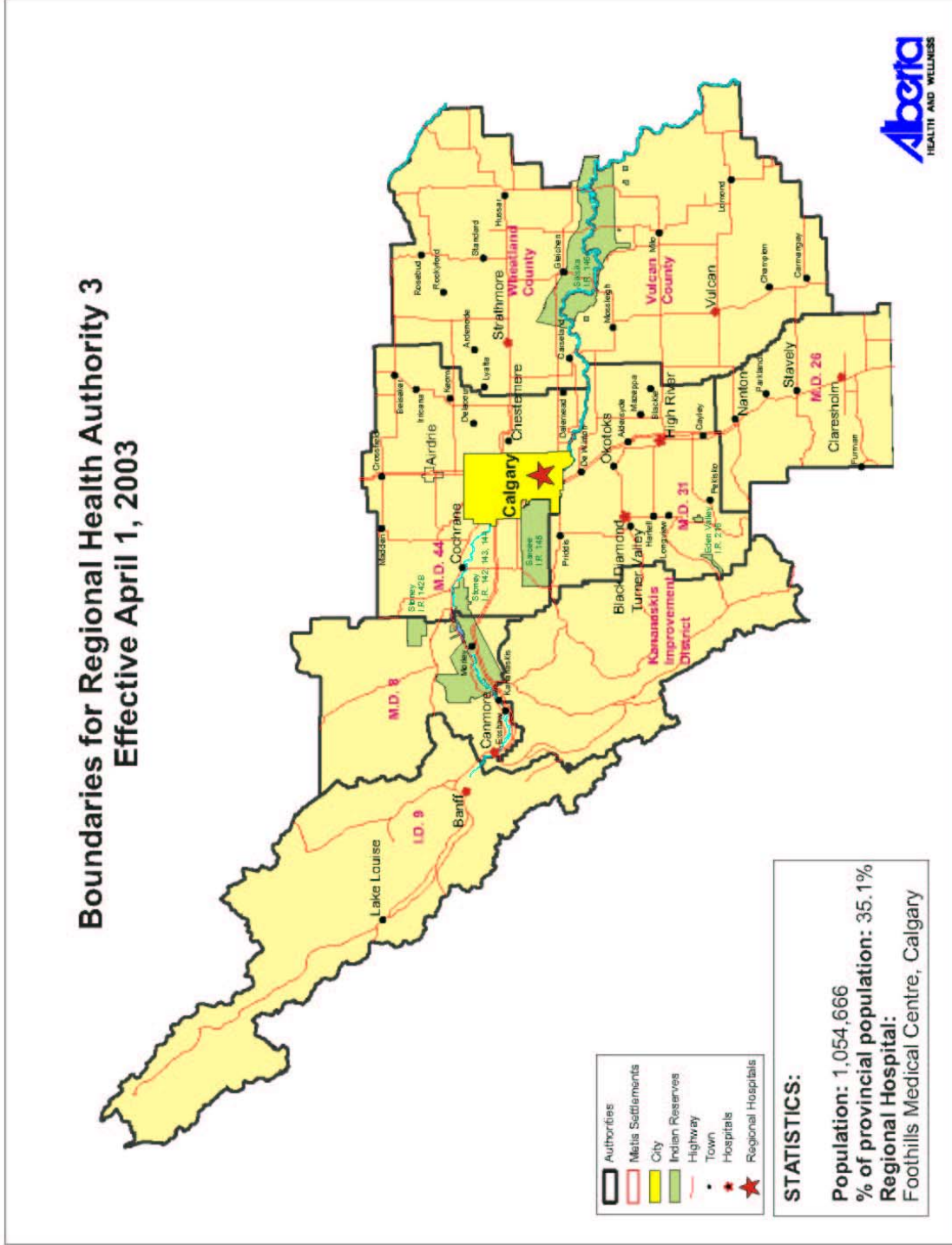
First Nations Health - Tsuu T'ina			
Medical Officer/Health	Address	Email	Telephone
Dr. David Strong	Suite 310 9911 Chula Blvd. Sarcee T2W 6H6	David_Strong@hc-sc.gc.ca	(403) 292-6182

First Nations and Inuit Health			
Medical Officer/Health	Address	Email	Telephone
Dr. Wadieh Yacoub	730, 9700 Jasper Ave. NW Edmonton T5J 4C3	Wadieh_Yacoub@hc-sc.gc.ca	(780) 495-3391

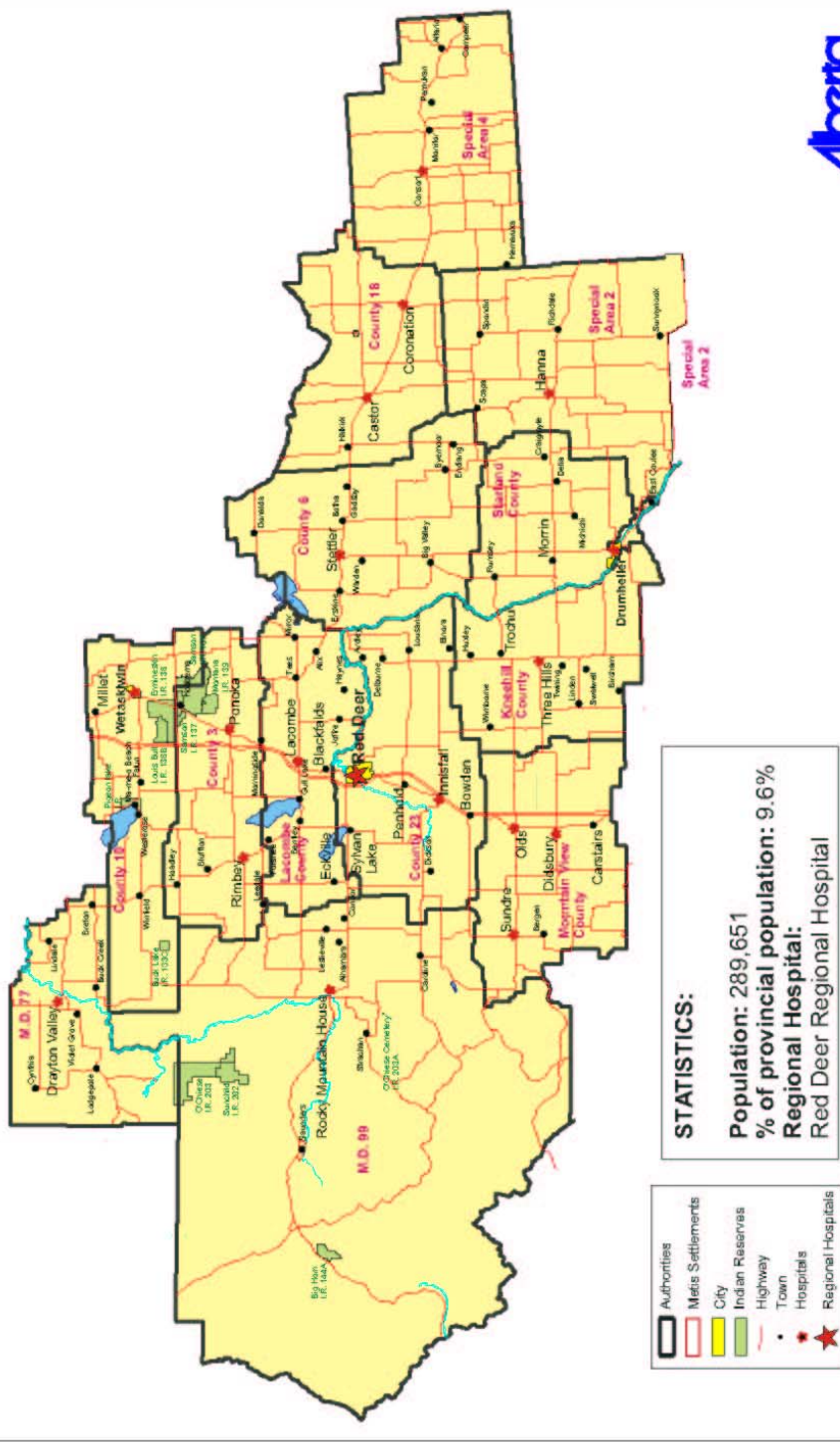
Boundaries for Regional Health Authority 2 Effective April 1, 2003



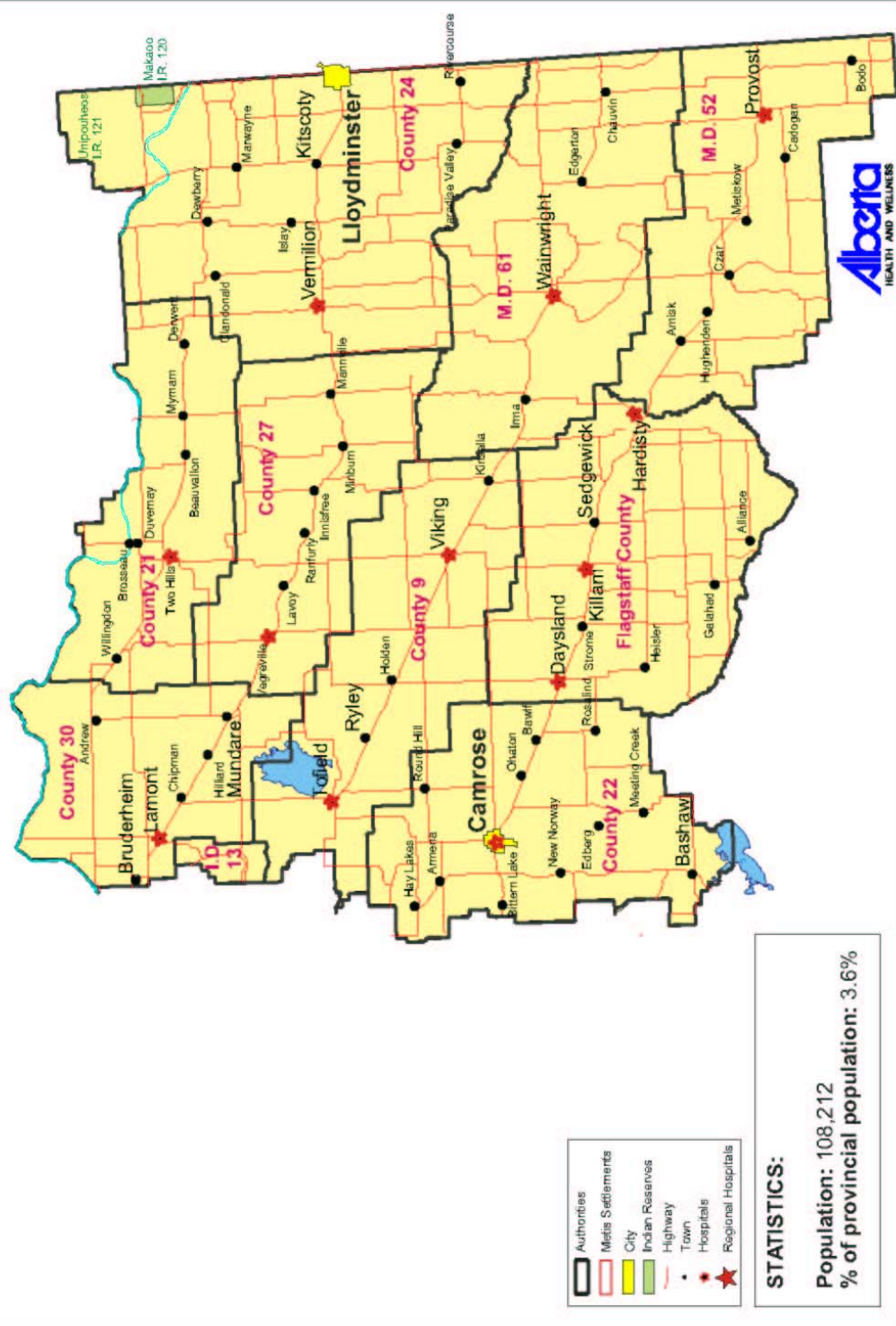
Boundaries for Regional Health Authority 3 Effective April 1, 2003



Boundaries for Regional Health Authority 4 Effective April 1, 2003



Boundaries for Regional Health Authority 5 Effective April 1, 2003

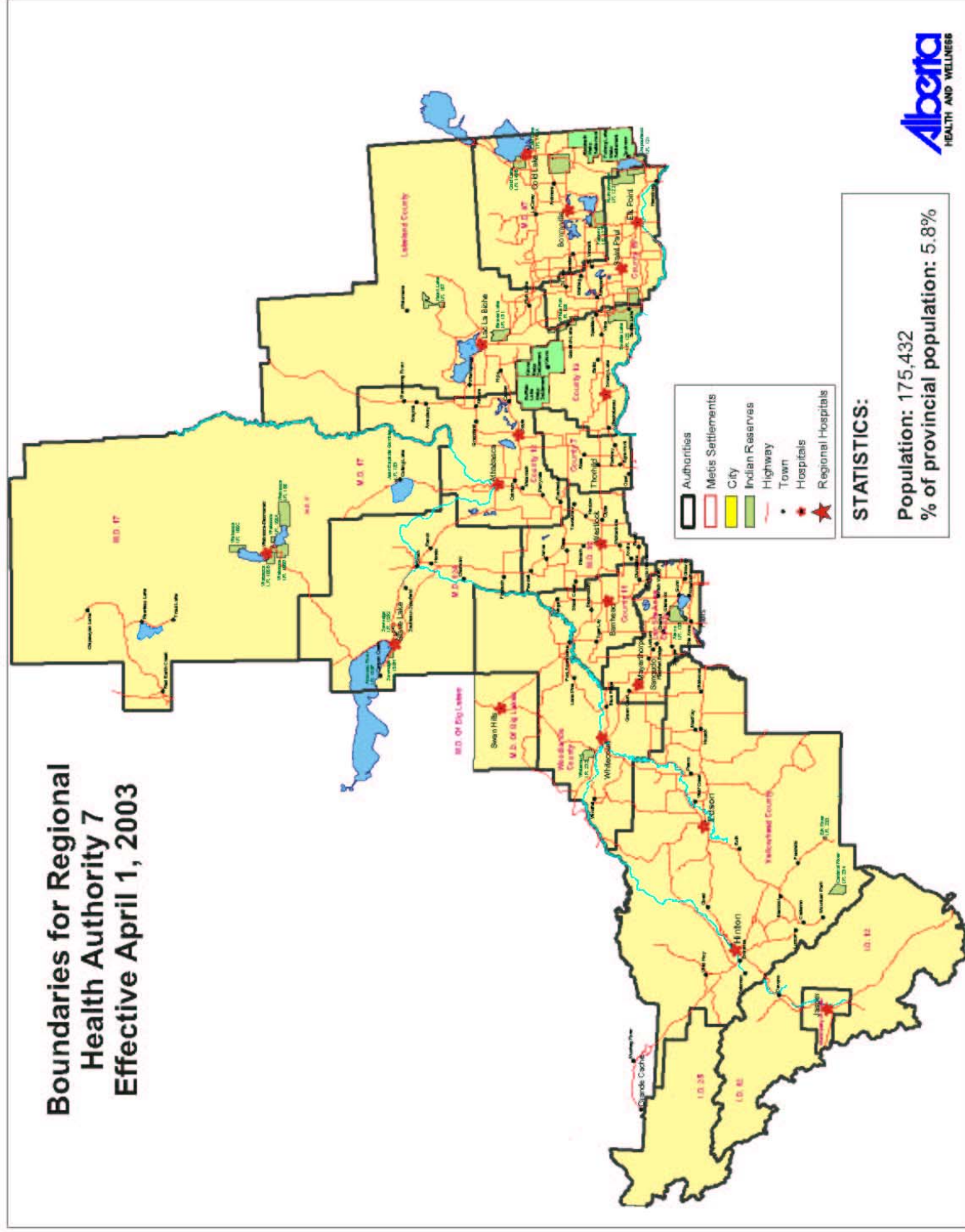


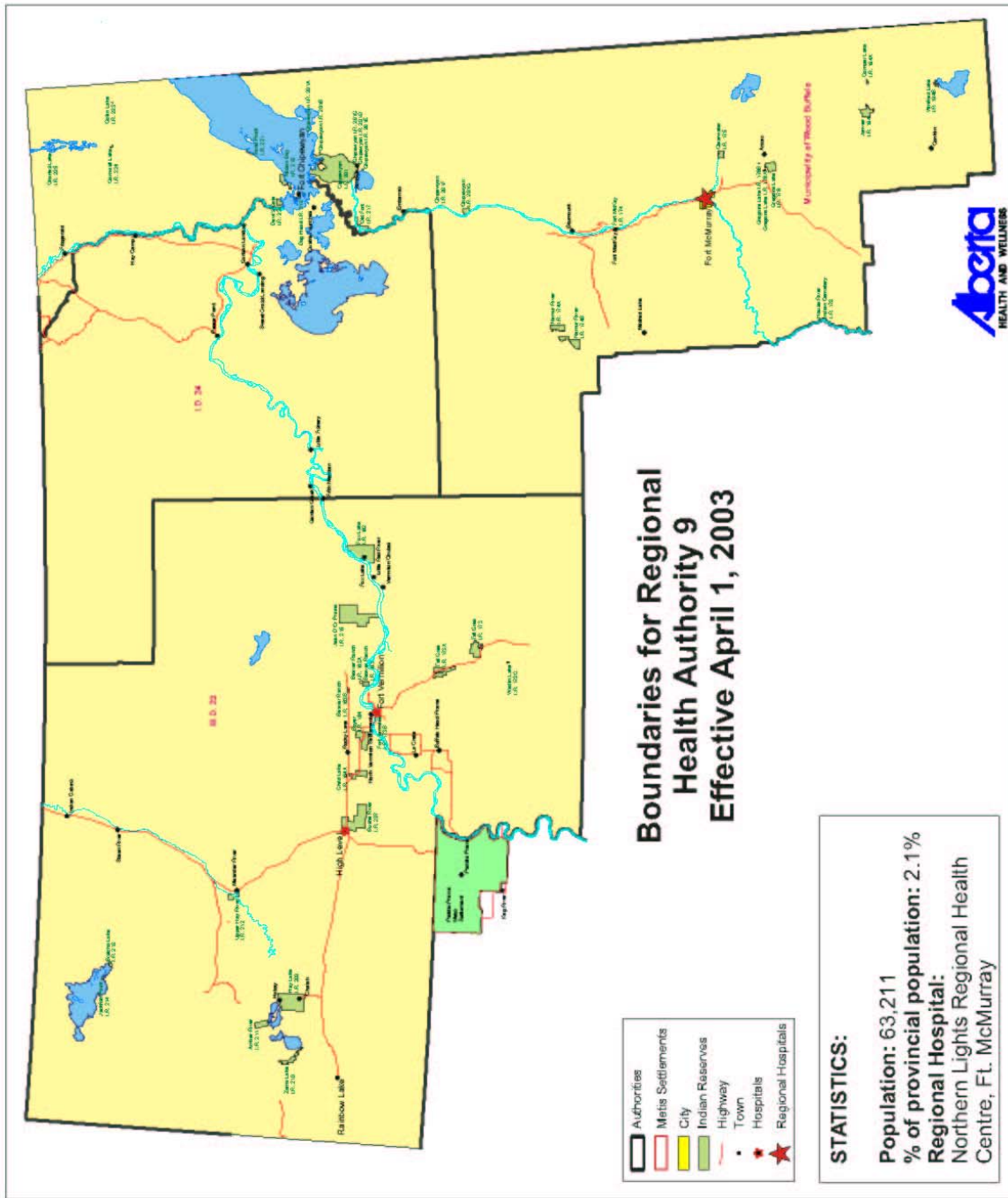
Boundaries for Regional Health Authority 6 Effective April 1, 2003



STATISTICS:
 Population: 941,838
 % of provincial population: 31.3%
 Regional Hospital:
 University of Alberta Hospital,
 Edmonton







Dangerous Goods Legislation Immediate Reporting Requirements

In the event of an accidental release of dangerous goods from a means of containment, a person who has possession of the dangerous goods at the time of the accidental release **must** make an immediate report of the accidental release to the local police and the provincial authority (CIC at 1-800-272-9600) if the quantity of the release is greater than the quantity set out in the following table:

Class	Class Name	Release or Emission Quantity	Placard Colours	Comments	
1	Explosives	Any quantity that could pose a danger to the public safety or over 50 kilograms	Orange with Black Symbol and Numbers	<ul style="list-style-type: none"> Division 1.1 – Mass explosive hazard Division 1.2 – Projection hazard but no mass explosive hazard Division 1.3 – Fire hazard with minor blast or minor projection hazard Division 1.4 – No significant hazard beyond the packaging Division 1.5 – Very insensitive substance with mass explosion hazard Division 1.6 – Extremely insensitive article with no mass explosive hazard 	
				2	Division 2.1 – Flammable Gases
				2.1	Division 2.2 – Non-Flammable, Non-Toxic Gases
2	Gases	Any quantity that could pose a danger to the public safety or any sustained release of 10-minutes or more	Red with White Symbols and Numbers	<ul style="list-style-type: none"> Division 2.3 – Toxic Gases 	
				2.2	Division 2.3 – Toxic Gases
3	Flammable Liquids	Quantities 200 litres or more	Red with White Symbol & Numbers	<ul style="list-style-type: none"> All 	
4	Flammable Solids	Quantities 25 kilograms or more	White with Red	<ul style="list-style-type: none"> Division 4.1 – Flammable Solids that are 	

Class	Class Name	Release or Emission Quantity	Placard Colours	Comments
4. 1	Spontaneously Combustible		Vertical Stripes and Black Symbol and Numbers	exothermic substance or can cause fire through normal transport conditions through friction.
4. 2			To half of safety mark White and bottom half Red with Black Symbol and Numbers	Division 2 – Spontaneously Combustible substances which are pyrophoric substances.
4.3	Water Reactive Substances		Blue with White Symbol and Numbers	Division 3 – Dangerous-When-Wet are substances when in contact with water generate live steam or hydrogen gas.
5	Oxidizers	Quantities 50 kilograms or 50 litres and above	Yellow with Black Symbol and Number	Division 1 – Oxidizers are substances which yield oxygen thereby causing or contributing to combustion.
5.1			Yellow with Black Symbol and Number	Division 2 – Organic Peroxides contain oxygen in the bivalent "O-O-" structure and are liable to undergo exothermic self-accelerating decomposition.
5.2	Organic Peroxides	Quantities 1 kilogram or 1 liter and above.	White with black Symbol and Number	Division 1 – Toxic Substance or substances that are likely to cause harm to humans if swallowed, inhaled or through dermal contact.
6	Toxic Substances	Quantities 5 kilogram or 5 liters and above.	White with black Symbol and Number	Division 2 – Infectious Substances are substances that can result in human or animal diseases and include micro-organisms such as viruses, bacteria, fungi, etc.
6.1			Yellow with Black Symbol and Number	Any substance with an activity greater than 70kBq/kg.
6.2	Infectious Substances	Any quantity that could pose a danger to the public safety or 1 kilogram or 1 liter.	White with black Symbol and Number	Substances which cause full thickness
7	Radioactive Materials	Any quantity that could pose a danger to the public safety.	Yellow with Black Symbol and Number	
8	Corrosives	Quantities 5 kilograms or 5 liters	White with black	

Appendix P

Class	Class Name	Release or Emission Quantity	Placard Colours	Comments
		and above.	Symbol and Number	destruction of human skin or corrode metal to a rate as described in the ASTM Corrosion Test.
9	Miscellaneous Products, Substances or Organisms	Quantities 25 kilograms or 25 liters and above.	White with Black Vertical Stripe with Black Numbers	Substance which present a hazard and do not meet the criteria of the other eight classes of dangerous goods or are prescribed by the regulations

