



**Alberta
Energy
Regulator**

Emergency Response Overview

October, 2013

AER Key Messages

- » Has trained emergency response staff
- » Uses the ICS Emergency Management Structure
- » Encourages the use of ICS, especially for
 - Liaison Officer
 - Information Officer

AER Key Messages

Encourages licensees to host an/or attend a post incident assessment

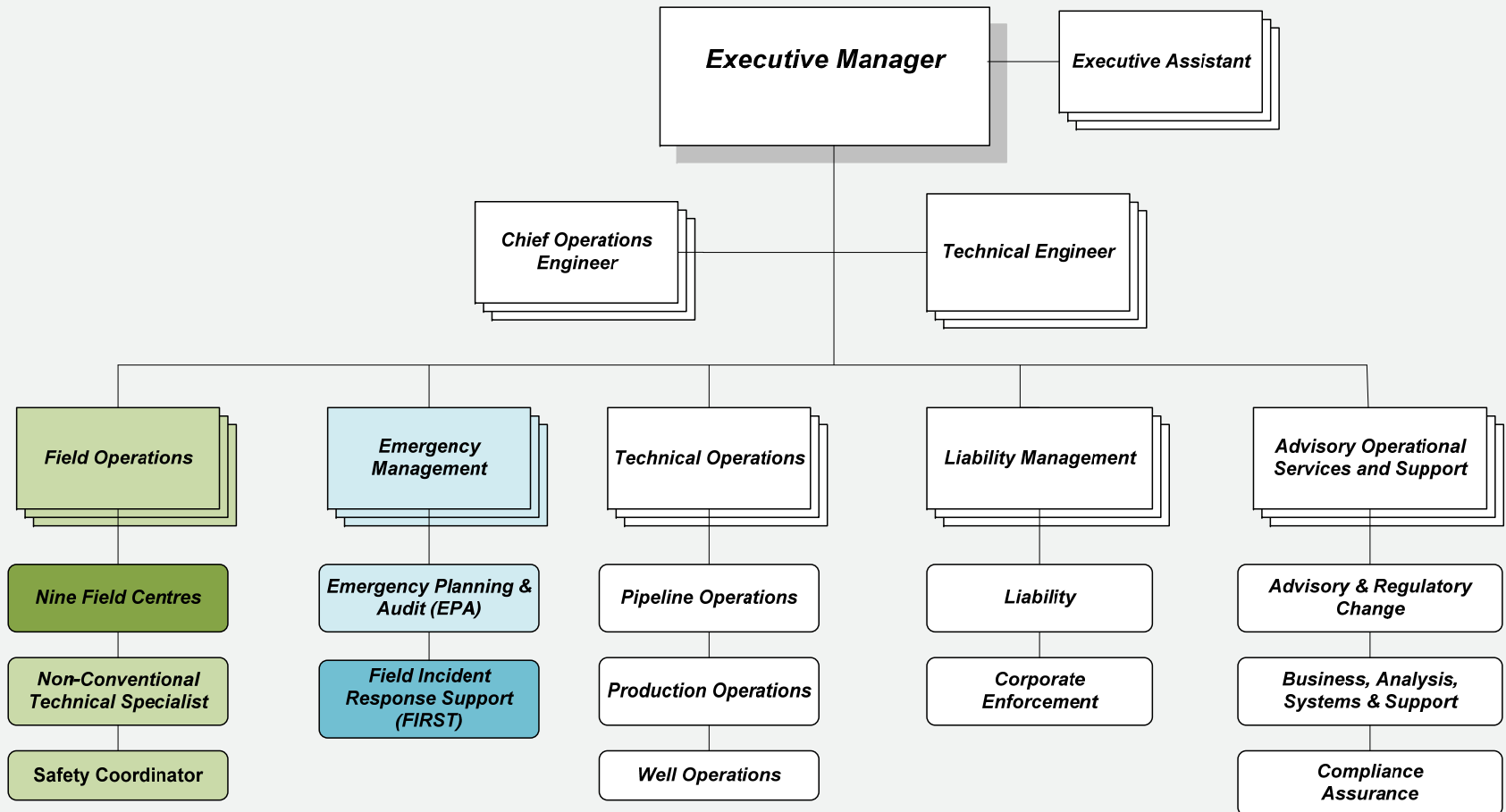
AER Emergency Response

Has dedicated group for emergency response

Divided into two:

- Emergency Preparedness Audit (EPA)
- Field Incident Response Support Team (FIRST)

Field Surveillance and Operations Branch



Directive 071

Emergency Preparedness and Response Requirements for the Petroleum Industry

Licensee Responsibility

Licensees have a responsibility to ensure they are fully prepared and capable of responding to any level of emergency

How Does AER Respond to Emergencies?

- » 1-800 number for complaints and incidents
- » On-call field staff for all Field Centre's, Well Ops, and Pipeline Ops
- » On-call FIRST Duty Officers
- » Air Monitoring
- » Deployable resources for large incidents, personnel and equipment

Initial Notification

During Business and After Hours

- » 1-800 number (1-800-222-6514)

- » Calls taken by Coordination of Information Centre (CIC)

- » CIC will contact AER staff and/or FIRST Duty Officer (severity dependent)

Initial Response

AER and licensee determine emergency level:

→ Alert → Level 1 → Level 2 → Level 3

Licensee activates their Emergency Response Plan according to the level agreed upon

Licensee then communicates safety measures to the public:

→ Shelter-in-place → Evacuation → Ignition

Appendix 4 Assessment Matrix for Classifying Incidents

Rank	Category	Example of consequence in category
1	Minor	<ul style="list-style-type: none"> No worker injuries. Nil or low media interest. Liquid release contained on lease. Gas release impact on lease only.
2	Moderate	<ul style="list-style-type: none"> First aid treatment required for on-lease worker(s). Local and possible regional media interest. Liquid release not contained on lease. Gas release impact has potential to extend beyond lease.
3	Major	<ul style="list-style-type: none"> Worker(s) requires hospitalization. Regional and national media interest. Liquid release extends beyond lease—not contained. Gas release impact extends beyond lease—public health/safety could be jeopardized.
4	Catastrophic	<ul style="list-style-type: none"> Fatality. National and international media interest. Liquid release off lease not contained—potential for, or is, impacting water or sensitive terrain. Gas release impact extends beyond lease—public health/safety jeopardized.

Rank	Descriptor	Description
1	Unlikely	The incident is contained or controlled and it is unlikely that the incident will escalate. There is no chance of additional hazards. Ongoing monitoring required.
2	Moderate	Control of the incident may have deteriorated but imminent control of the hazard by the licensee is probable. It is unlikely that the incident will further escalate.
3	Likely	Imminent and/or intermittent control of the incident is possible. The licensee has the capability of using internal and/or external resources to manage and bring the hazard under control in the near term.
4	Almost certain or currently occurring	The incident is uncontrolled and there is little chance that the licensee will be able to bring the hazard under control in the near term. The licensee will require assistance from outside parties to remedy the situation.

* What is the likelihood that the incident will escalate, resulting in an increased exposure to public health, safety, or the environment?

Sum the rank from both of these columns to obtain the risk level and the incident classification

Risk level	Assessment results
Very low 2-3	Alert
Low 4-5	Level-1 emergency
Medium 6	Level-2 emergency
High 7-8	Level-3 emergency

During Emergency

First Duty Officer (DO) is engaged during all significant incidents and when there is significant public impact or heightened media attention

DO's notify other internal AER personnel and may contact other agencies such as: AEMA, WH&S, ESRD, and AHS when necessary

cont....

During Emergency

Municipalities and public must be notified by the licensee

AER's incident investigator is engaged (at some Alert and Level 1's, and **all** Level 2's and 3's)

Government Involvement

Several high profile emergencies in the past means increased scrutiny and involvement from government agencies and regulators

Licensees can expect a number of provincial and federal agencies to deploy to the emergency location and become actively engaged in the response

Primary Incident Response Interfaces

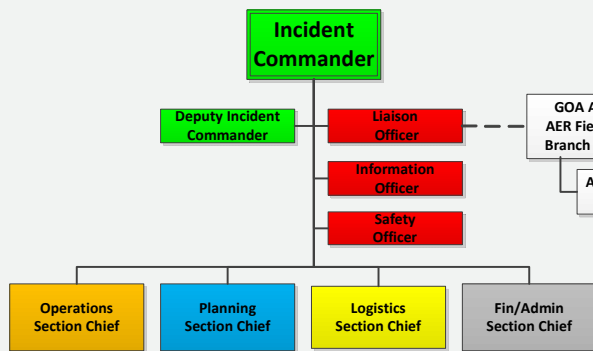


Response Structure

AER strongly supports the use of the incident Command system (ICS Canada) as a means of ensuring consistent command and communication among all parties

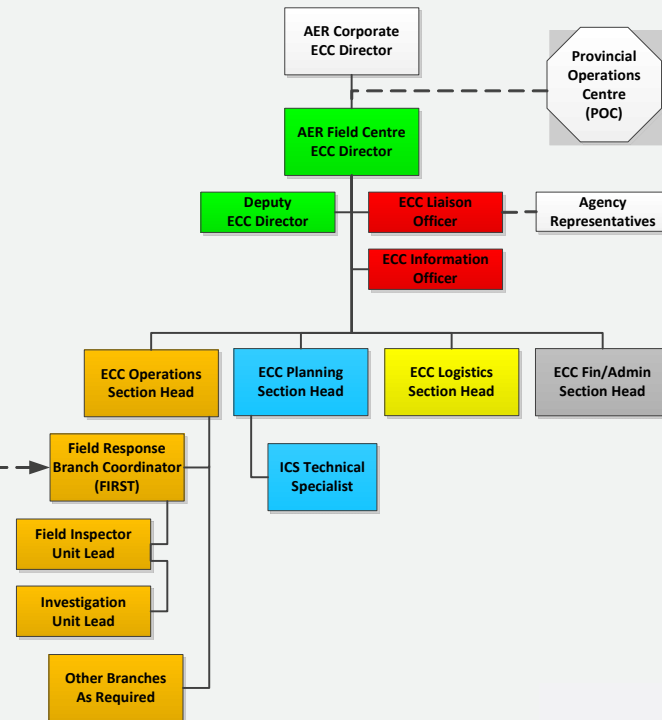
AER Incident Coordinator Structure

Incident Command Post Responsible Party



At Site

Emergency Coordination Centre Alberta Energy Regulator

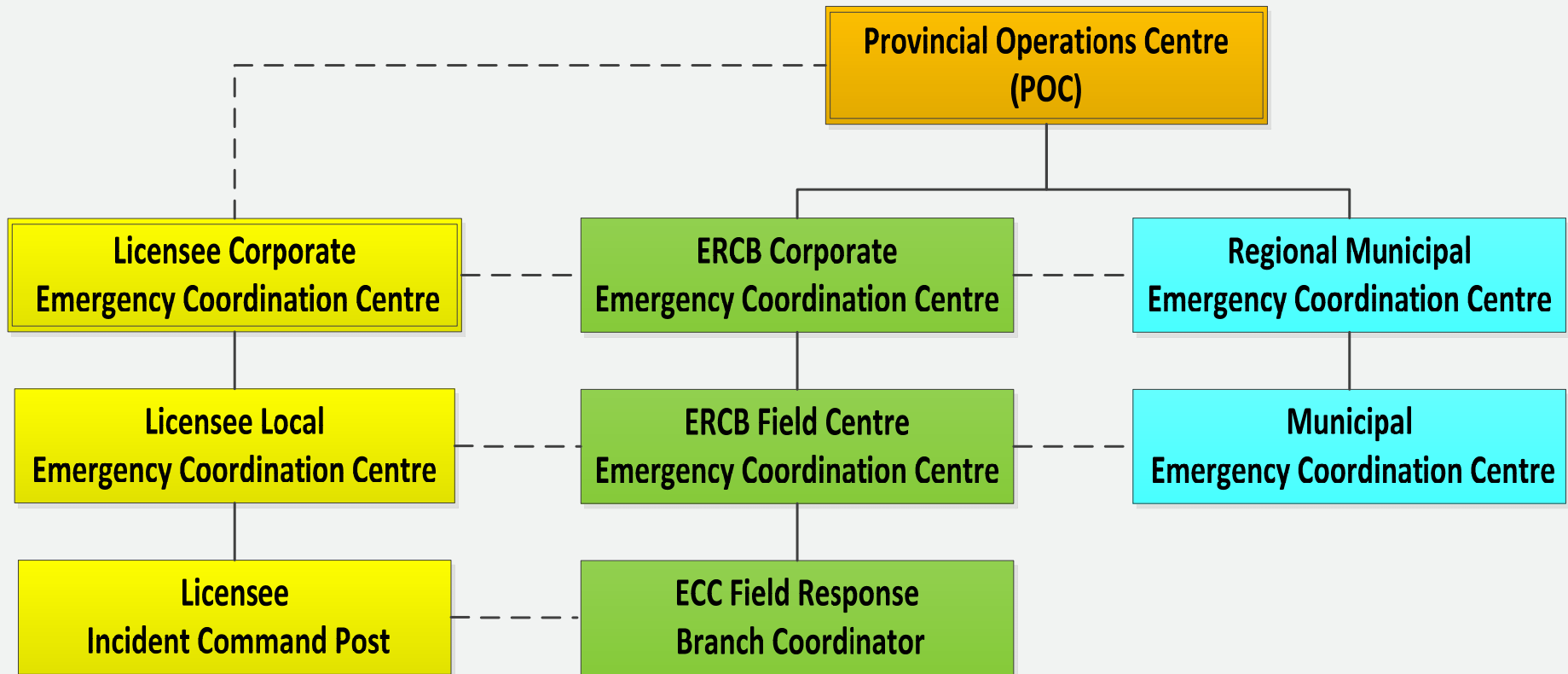


Field Response Branch Coordinator (FIRST)

Maintains a communications link between
Incident command (site) and the AER ECC
Operations Section Head

As lead agency, acts as the Alberta Government
Agency Representative for all AER and other
government agencies when necessary

Provincial Coordination Structure



Calling Down an Emergency

Once emergency phase has ended, AER, in coordination with licensee, calls down incident

Licensee notifies parties involved (public, local authorities, First Nations, media etc.) the incident is concluded

AER then closes the communication loop with initial caller

After an Emergency

AER's Field Incident Response Support Team (FIRST) leads Post Incident Assessment (PIA) (debriefing)

Post investigation report is completed by AER's Incident Investigator

After an Emergency

Investigation Reports are public information and are found on AER website at

www.aer.ca/publications/investigationreports

AER may issue enforcement if a noncompliance was the cause of the emergency or if a noncompliance was found during the licensee's response

Conclusion

- » AER has dedicated staff trained and prepared to respond to petroleum industry incidents
- » AER uses, and strongly recommends, that industry adopt the Incident Command System (ICS)
- » AER also strongly encourages licensees to conduct and participate in PIA's

Looking Forward

Continue to work together through

- » Workshops
- » Exercises
- » Mutual Aid Opportunities

Questions?

Contact the AER Customer Contact Centre at
1-855-297-8311 (toll free)

A landscape photograph showing a dirt road winding through rolling hills. The foreground and middle ground are dominated by vibrant yellow fields, likely rapeseed, interspersed with green grass. The background shows more rolling hills under a bright blue sky with scattered white clouds. A large, light gray chevron graphic is overlaid on the left side of the image, pointing towards the text.

Thank you