

# AER Regulatory Update

## Release Reporting & OneStop RoSC

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# Alberta Energy Regulator (AER) Disclaimer

This presentation is an overview of AER's requirements/processes and may not contain all information on AER rules related to the specific subject matter.

Presentations are intended for education/information purposes only and do not replace the content of actual rules or directives.

*Presentations are not be distributed without the written consent of the AER.*

# Outline

- Release Reporting Requirements
  - Incidents and Emergencies
  - Historical Releases – ESA discoveries
- OneStop Record of Site Condition
  - Overview of AER Oversight Approach
  - Common Reasons for Return, Quality Items
  - FAQs – Chloride, Minor Exceedance Justifications

# Spill/Release Reporting Requirements

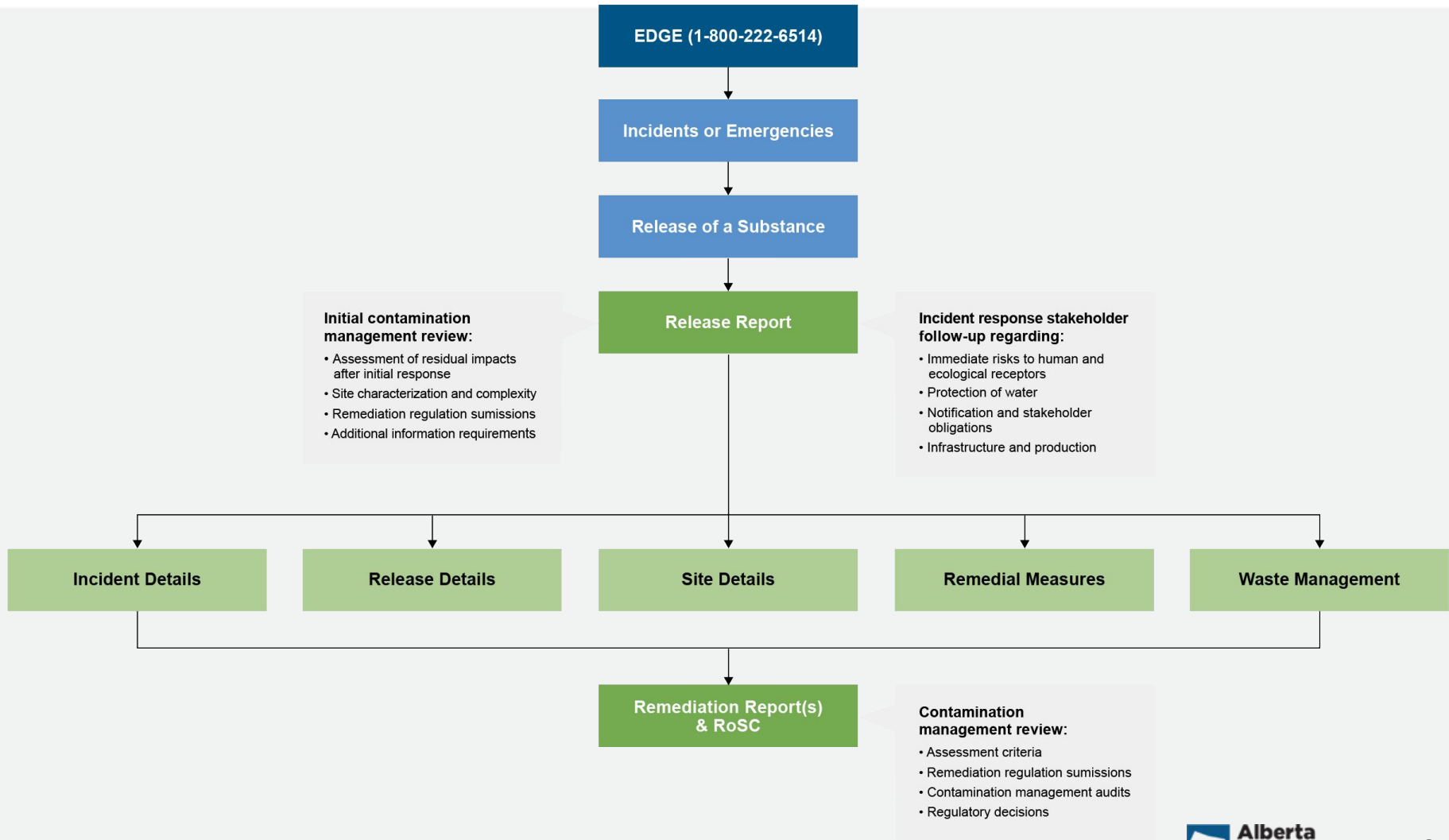
- For unrefined product releases (OGCR 8.050,8.051):
  - Oil, produced water, condensate liquids, oilfield waste etc.
    - any release that may cause or is causing an adverse effect
    - any release more than 2 m<sup>3</sup> on-lease
    - any release off-lease
- For refined product releases (EPEA 110,111,112):
  - Diesel, gasoline, sulphur, solvents, diluent, methanol, etc.
    - any release has caused, is causing, or may cause an adverse effect
      - The AER uses the Schedule 1 in the *Release Reporting Regulation* as a potential indicator that a release that may cause adverse effect. The release volume limits in the table are reportable to the AER

# Spill/Release Reporting

Regardless if substance is refined or unrefined,  
Regardless if a volume threshold in a regulation  
has been exceeded,  
if the substance release has potential to cause,  
has caused or will cause an adverse effect, it

MUST be reported to the AER

# Release of a Substance



# Reporting and Submission Summary

	Release Reporting Trigger(s)	EDGE 1-800 reporting	Release Report	OneStop report submission	RoSC
I had a release of a substance that was greater than the quantity specified in a regulation	OGCR - 2m3 EPEA RR schedule 1	Yes	Yes	Yes*	Yes*
I had release that went beyond the lease boundary (i.e. offsite, onto the adjacent property, or could impact a water)	OGCR EPEA adverse effect	Yes	Yes	Yes	Yes
I discovered "historic" contamination when completing a phase 2 assessment	Potential for adverse effect	Yes	Yes	Yes	Yes

# Common Errors and Omissions

- Release Report
  - Date field for report submission
  - Inclusion of all relative assets
- RoSC's and professional reports
  - FIS Numbers not recorded
  - ESA Standard not met



# Spills/Release Reporting

- Alberta Tier 1 Guidelines
  - If you identify a Tier 1 exceedance, this is an initial indicator that a substance release occurred
  - When a substance release occurs, person responsible needs to assess whether it may cause, is causing or has caused an adverse effect
    - Where tier 1 guideline concentrations in soil or groundwater are exceeded, there is potential for adverse effects – unless you can demonstrate otherwise

**If there is a potential for adverse effect the release is reportable**

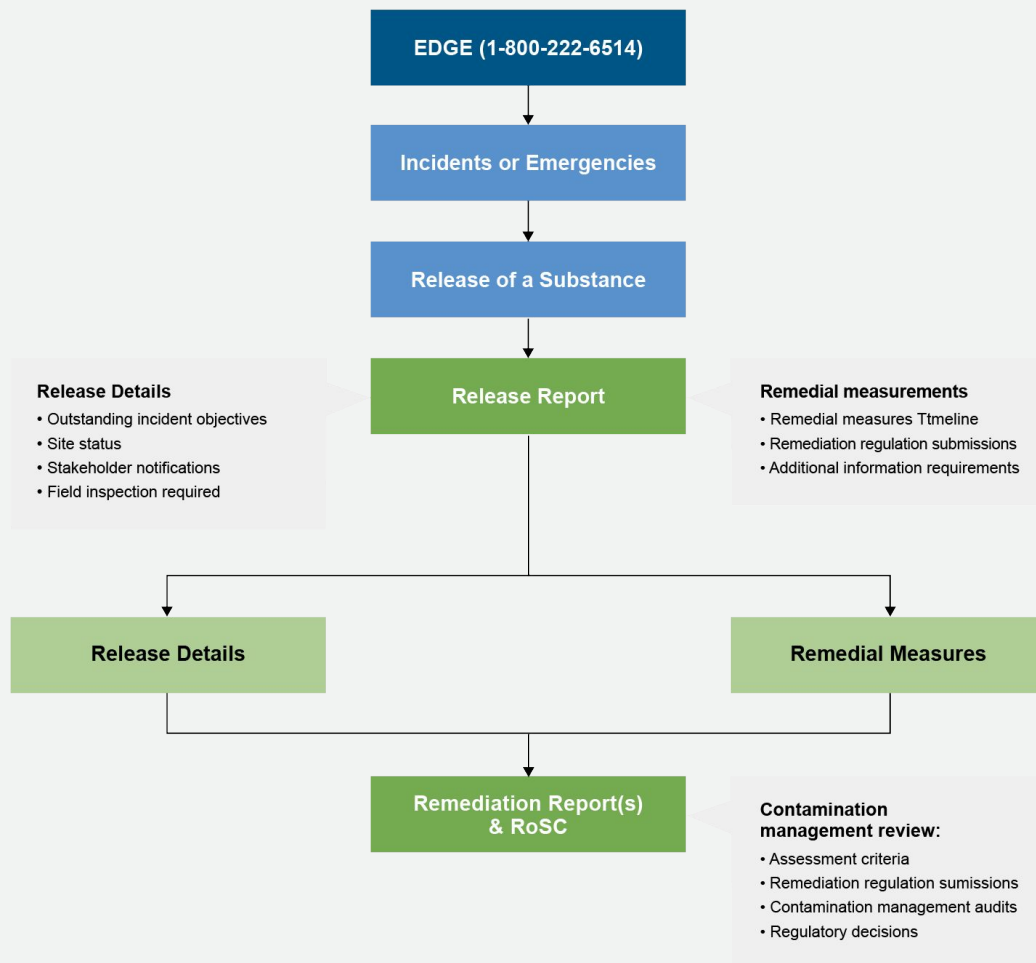
# Discovery of Historical Contamination

- Any substance release that may cause or is causing an adverse effect (e.g., ESA Tier 1 Exceedances) is reportable to the AER.

## Reporting Process includes:

- 1) Verbal report to the AER at the first available opportunity
- 2) Written Release Report provided to the AER
- 3) Submission of the Professional report (i.e. Phase 2) and RoSC

# Discovery of Historical Contamination



# EDGE Call – What will be asked

- Call Hypothetical
  - Confirm Not an Emergency or ongoing release that requires immediate notification to AER
  - Provide Base Information:
    - Caller's Name, Organization name
    - Contact number, Caller's location
    - Reported Source(Responsible Company)
    - Nearest Municipality to the incident
    - Incident Date/time (can default to current date)

# EDGE Call - Details

- Identify Notification is for :

.....Tier 1 Exceedance(s) discovered during site assessments for 15 sites in the “nearest municipality Alberta” Area.....

# Discovery of Historical Contamination

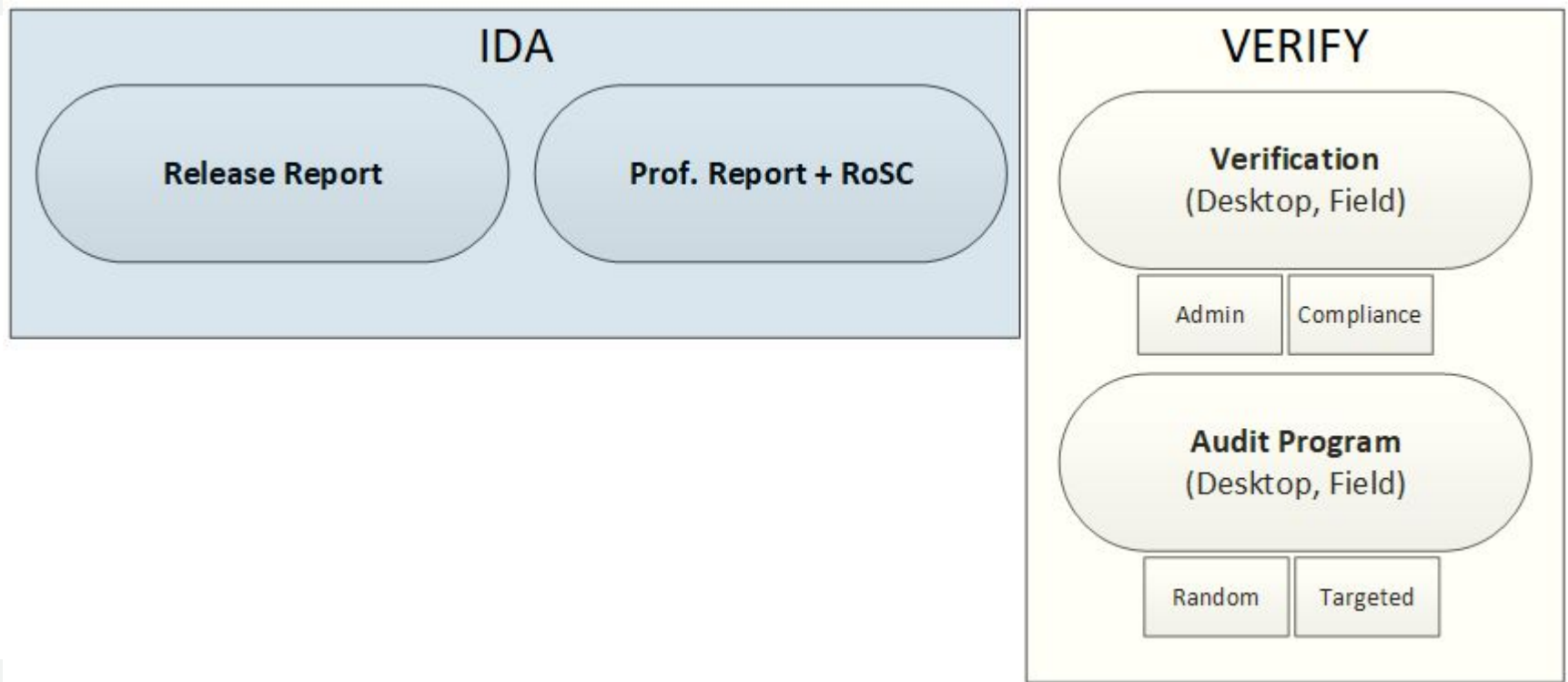
Select all receptors potentially impacted:

- Wildlife     Livestock     Humans     Property     Surface water     Groundwater  
 Protected or threatened species habitat

Describe the effect or potential effect in detail for each selected receptor:

Add site

# AER Oversight of Contamination



# RoSCs Received to Date

	RoSCs Recieved	% of Total RoSCs Recieved ..
Total	3,975	
Baseline Review	2,064	51.9%
Additional Review	1,911	48.1%



# Submission Status

Accepted = Administratively complete, Accepted into the system

- This does not mean “in compliance”
- This is **not** synonymous with regulatory acceptance.
- If Statutory Decision made, attachment indicates decision made.

Returned = Incomplete Submission

- e.g. ESA Standard not met, missing information
- Incorrect Intent (e.g. RAP but no RAP included)

# Common Return Items

- Report does not meet the ESA Standard
- Incomplete Application or Request
- Report does not address elevated chlorides
- Declarations missing or not those generated in ROSC

# Common RoSC Quality Items

- Related Entities – enter **all** that are applicable.
- Contaminant Details – enter max concentrations for any parameter > **Tier 1**
- Contaminant Details – last column enter in Tier 2/SSRA guidelines (if applicable)
- Soil and Groundwater Details – only enter in site specific data if used for **Tier 2 modification** or SST.

# Copy to Draft

Results

Filter by...

[View](#) [Copy](#)

<input checked="" type="checkbox"/>	Submission ID
<input checked="" type="checkbox"/>	31736154

Copy Successful



You have successfully copied submission 31736154 to new submission 31736202. Would you like to open your new submission?

No

Yes

# FAQ: Chlorides

- Tier 1 Section 5.1.4:
  - Delineation to characterize
  - Evaluation of Risk to GW Pathways
- Contaminant Details
  - Enter equivalent soil chloride concentrations in mg/kg
  - Chloride is **not** an unusual contaminant. It is

Have any contaminants of concern currently not listed in Tier 1 been measured at the site?

Yes

No

# FAQ: Minor Exceedance Justification

- Minor Exceedance Justification = SSRA
- RoSC Question: Does the site meet Tier 1?
  - If applying this, site not considered to meet Tier 1.  
Should select No.
- AER Review Mechanisms:
  - Pre-RCA Contamination Review
  - At time of Rec Cert Application

# More Information

- [www.aer.ca](http://www.aer.ca)
  - Release Reporting & Remediation Pages
  - Manual 021: Contamination Management
- QRGs available  
<https://www.aer.ca/regulating-development/project-application/onestop/onestop-help>
- Upcoming Training Events  
<https://www.aer.ca/protecting-what-matters/giving-albertans-a-voice/events>



**Questions**





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 clear blue sky with scattered white clouds. A large white arrow graphic points from the left towards the text.

**Thank you**