Contamination Management Regulatory Update

October 2026



Presented by:
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Presented to:
Remediation Technology Symposium 2026

Alberta Energy Regulator

Topics

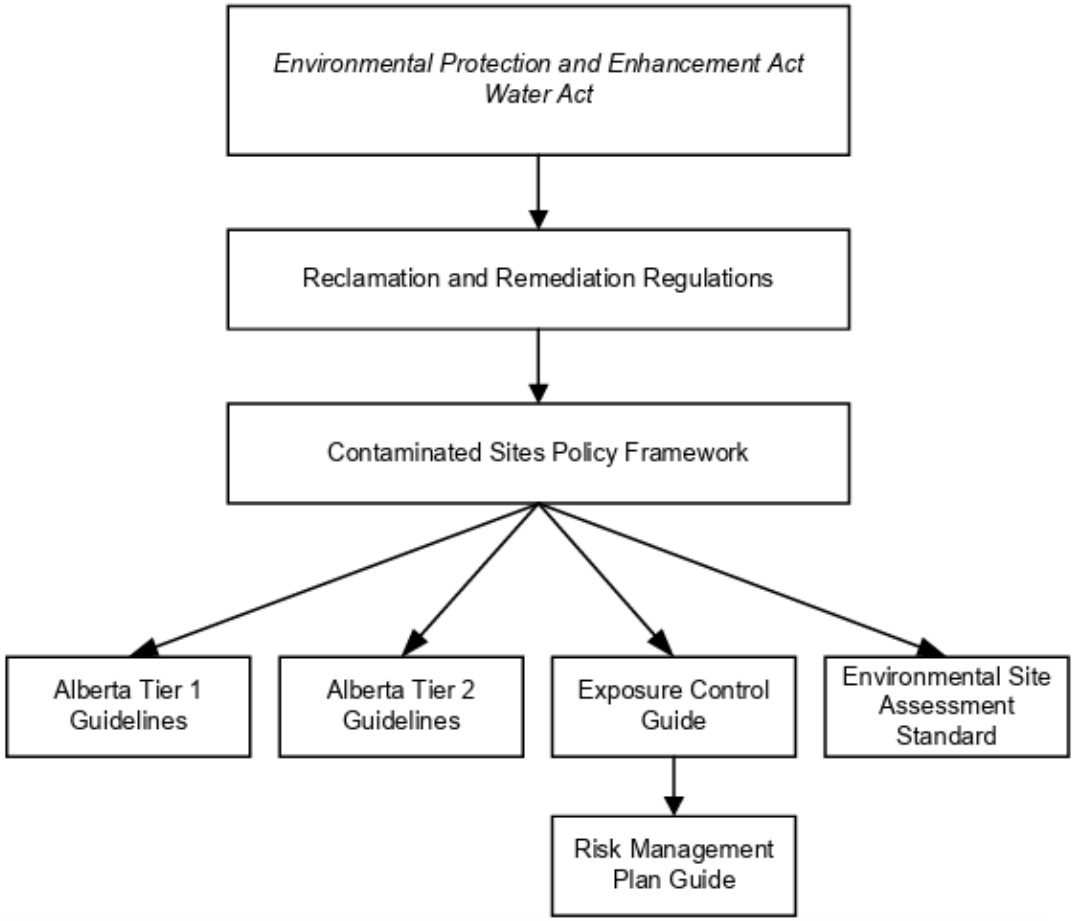
1. **Remediation Regulation, RoSC, RAPs**
2. **Remedial Measures Redesign**
3. **Urban Development**

Remediation Regulation and RoSC



RemReg/RoSC

Legislation/Remedial Action Plans/RoSC



Legislation	Requirement
EPEA S112(1)	Duty to take remedial measures
Remediation Regulation S2.1	Report new information to the Regulator
Remediation Regulation S2.2 (1)	Complete a Phase 2 ESA or remediation and submit a report
Remediation Regulation S2.2 (2)	**When you know** you cannot complete remediation in 2 years: immediately submit a RAP

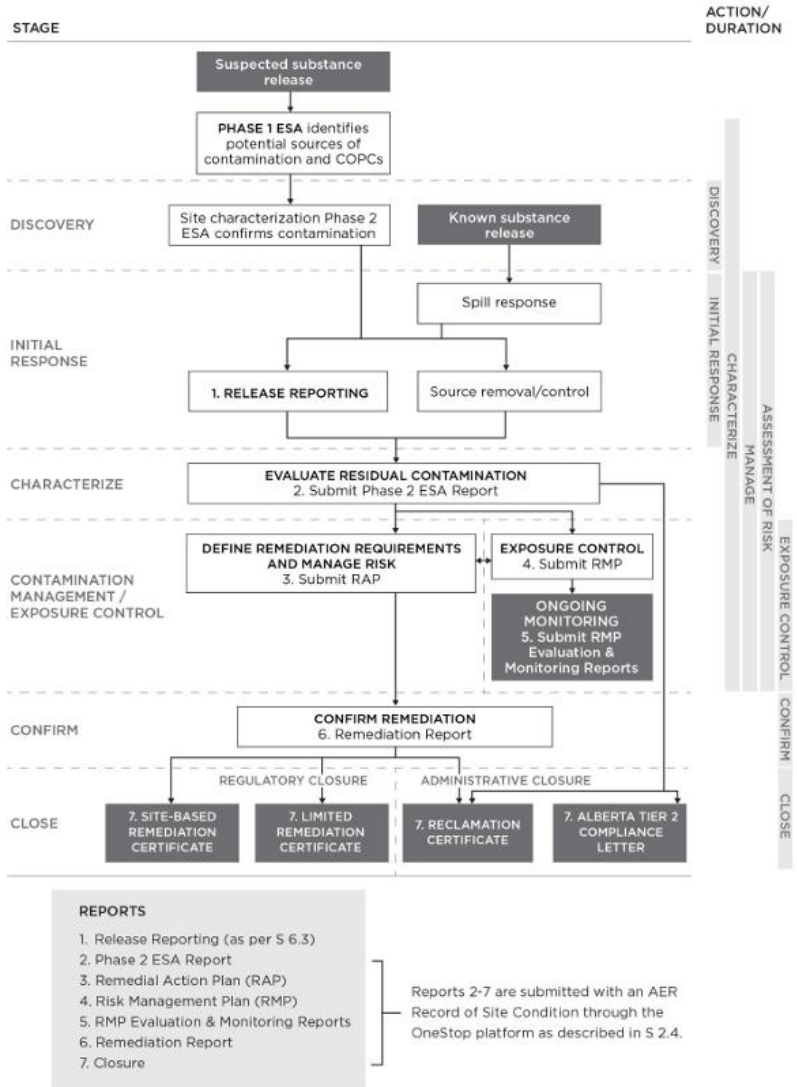
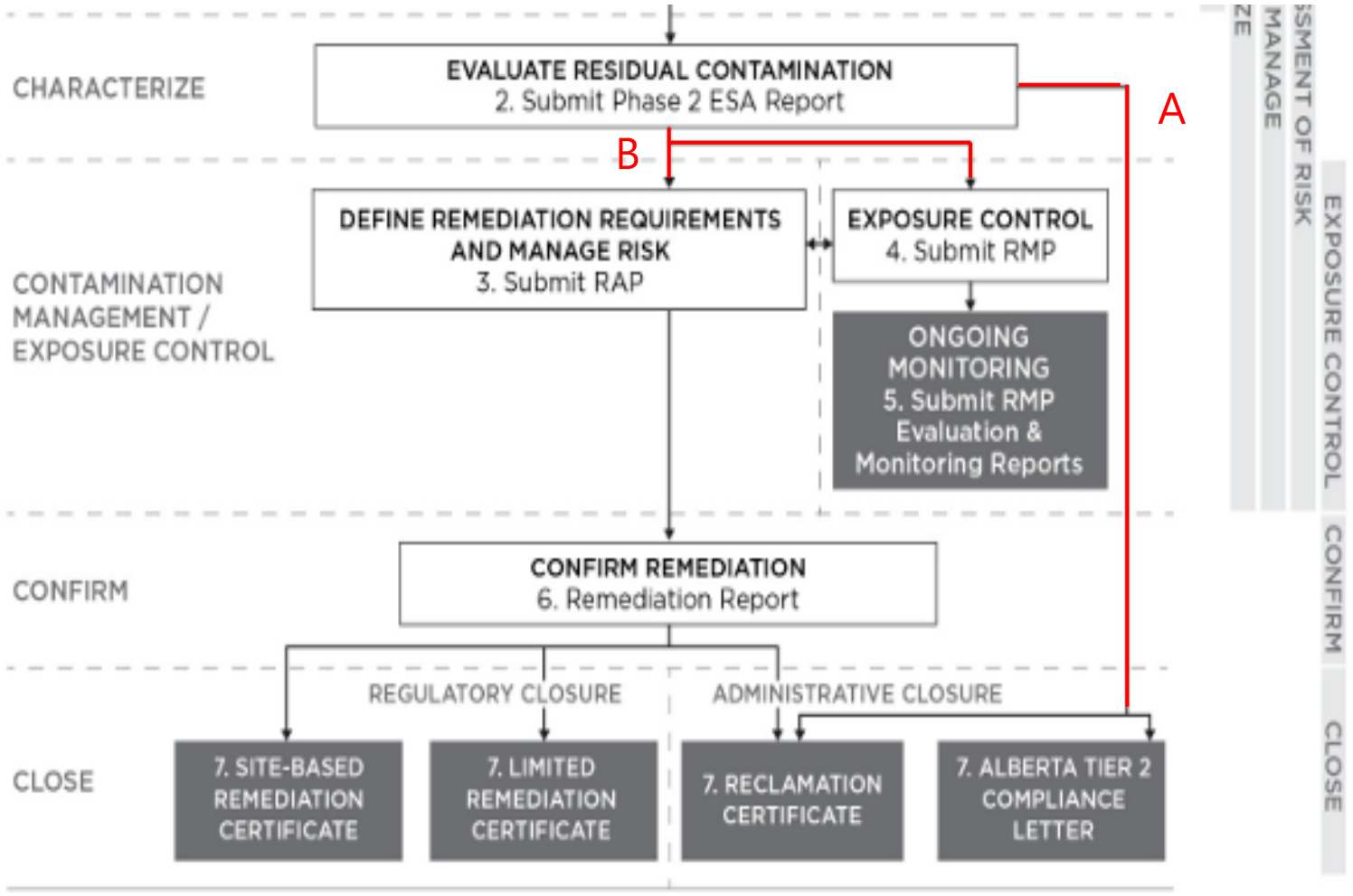
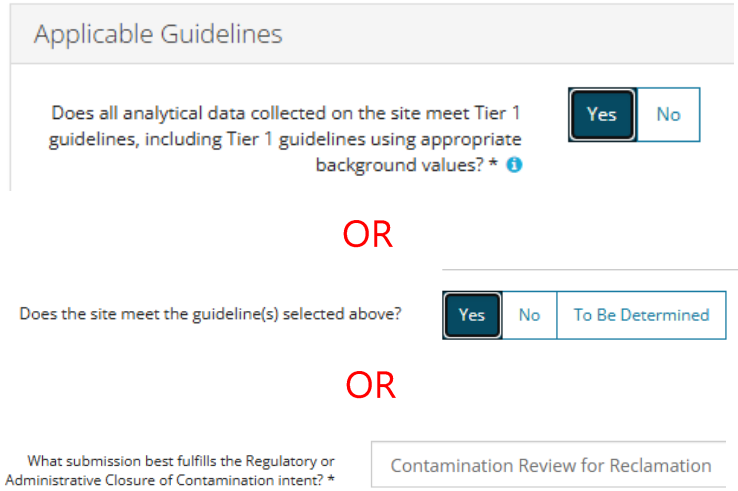


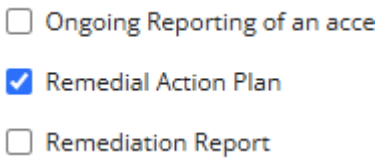
Figure 1. Stages of contamination management (modified from *CSPF*, figure 2)



A – Contamination Closure



B – RAP/RMP Submission

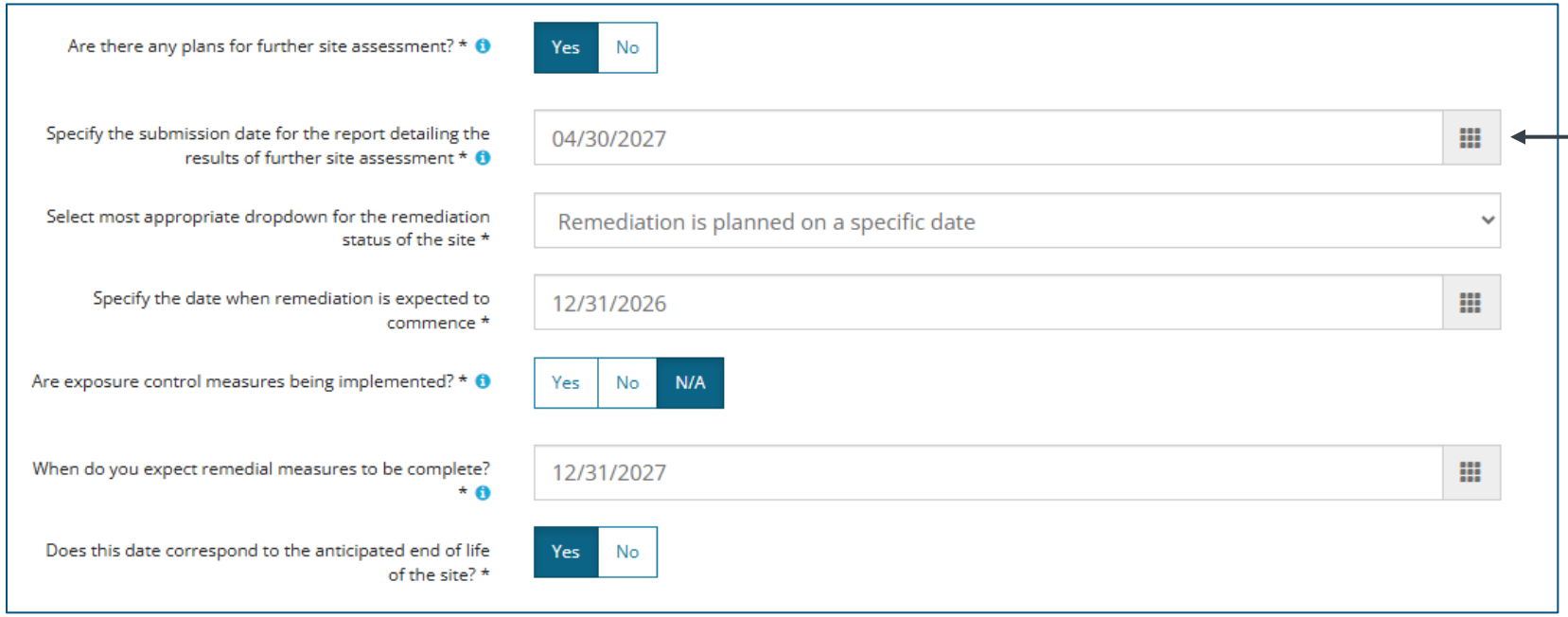


RemReg/RoSC

What is a Remedial Action Plan?

Remedial Action Plans should:

- Explain the CSM
- Describe contamination management activities that are planned or underway
- Specify a period of time for completion of remediation, and how progress will be measured



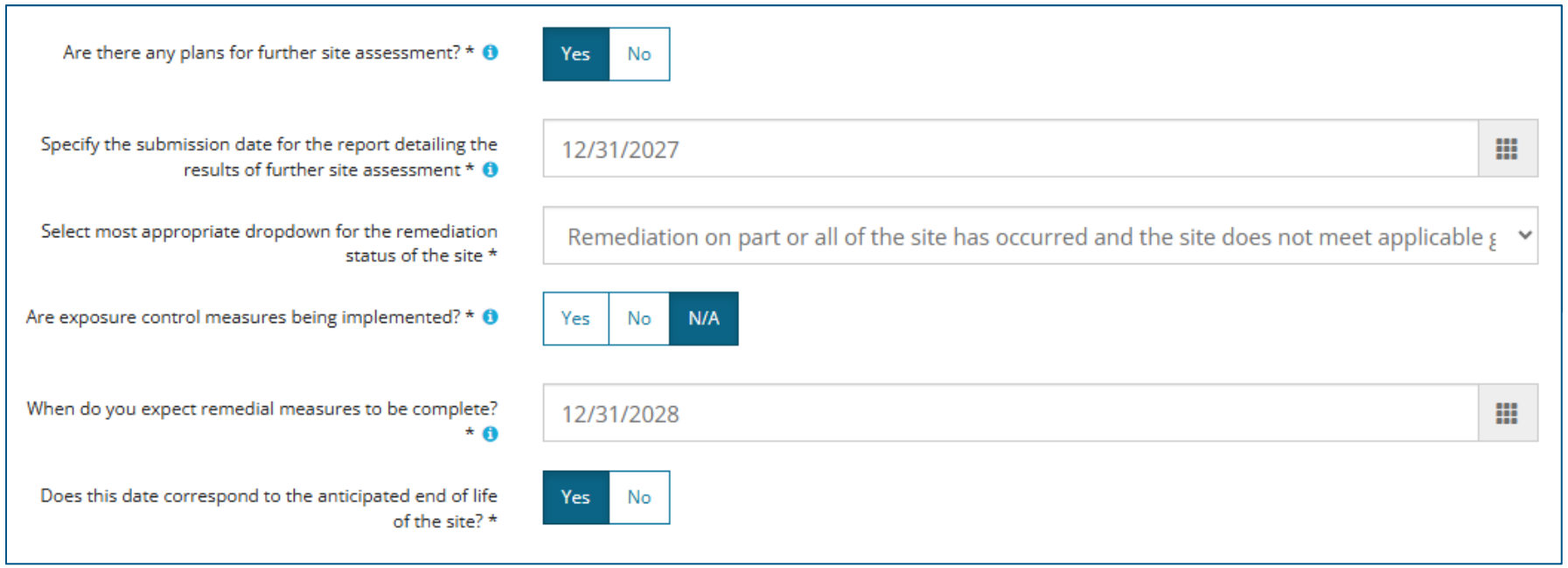
RAP Compliance Date

RemReg/RoSC

What is a Remedial Action Plan?

When and how to modify a Remedial Action Plan

- When changes/updates to timelines
- Justification/context in text box
- RAP modifications necessitate re-entering RAP timelines/information (This is a new RAP!)



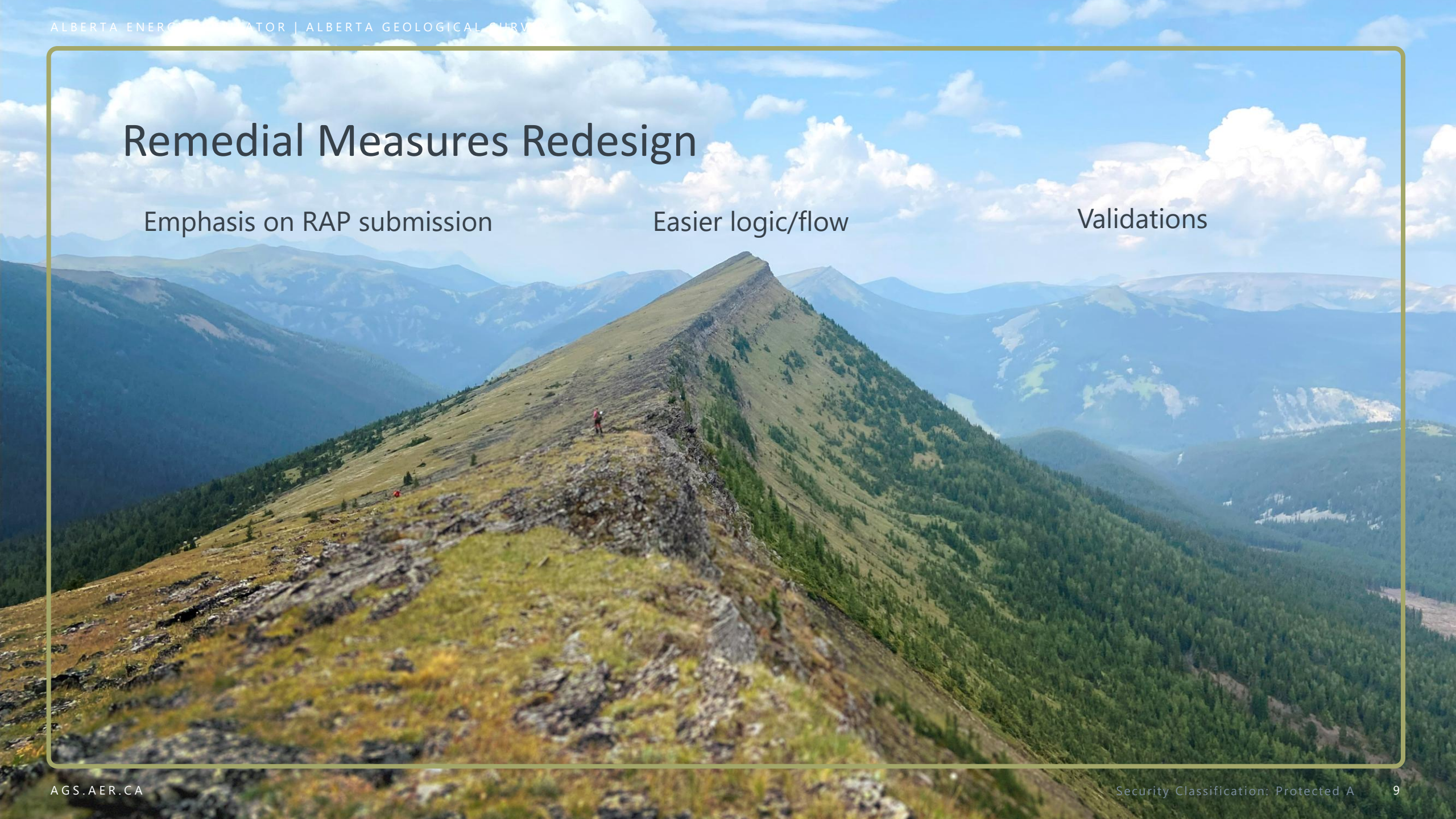
Updated RAP Compliance Date

Remedial Measures Redesign

Emphasis on RAP submission

Easier logic/flow

Validations



Remedial Measures Tab

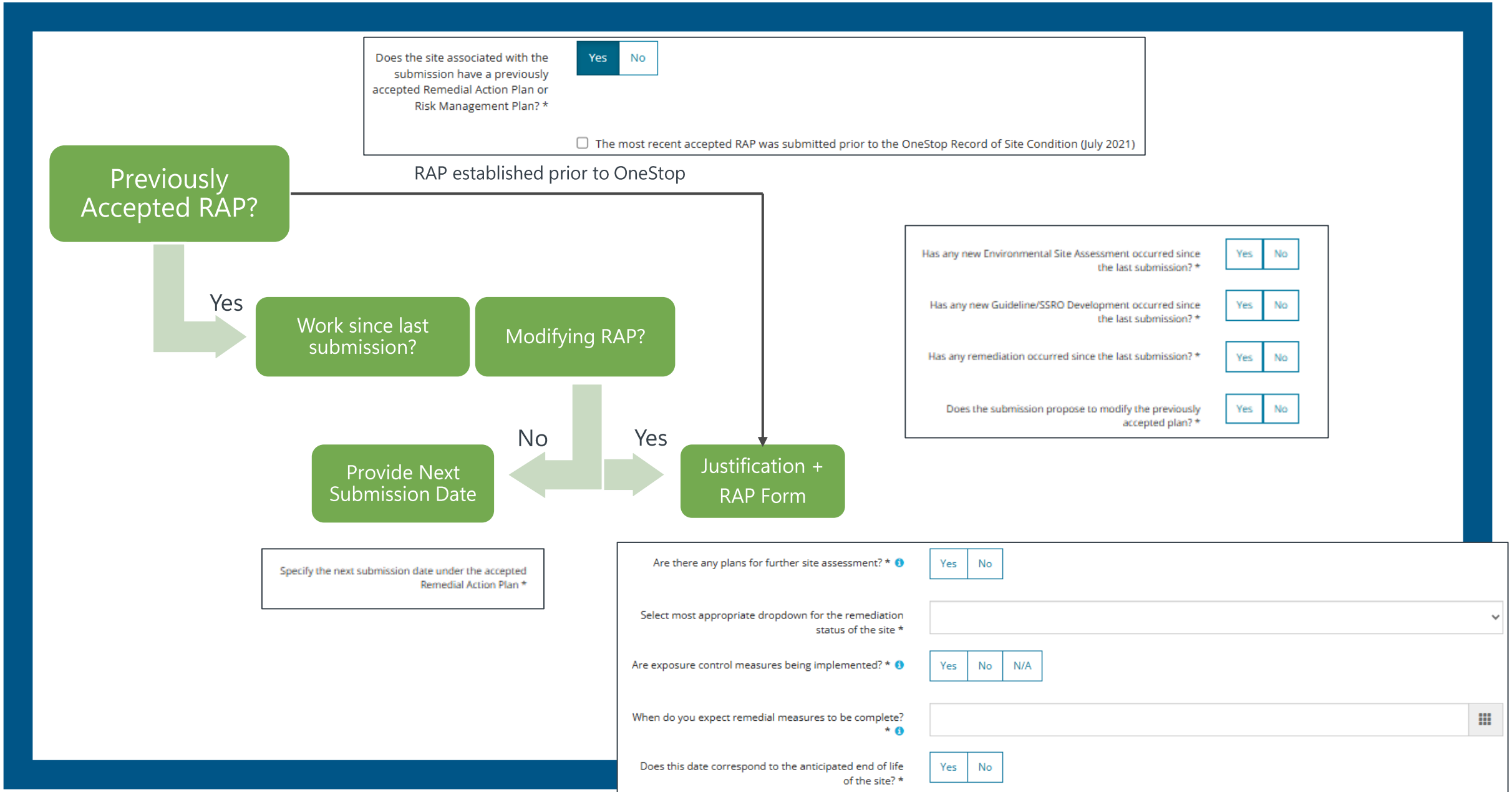
Remedial Measures Tab

Priority:

- **Establish Remedial Action Plans, where required**
- **Limit administrative returns**
- **Confirm remedial measures timelines**
- **Insight on remedial progress:** Questions to differentiate between sites where work has progressed, versus sites where work has been delayed

Why?

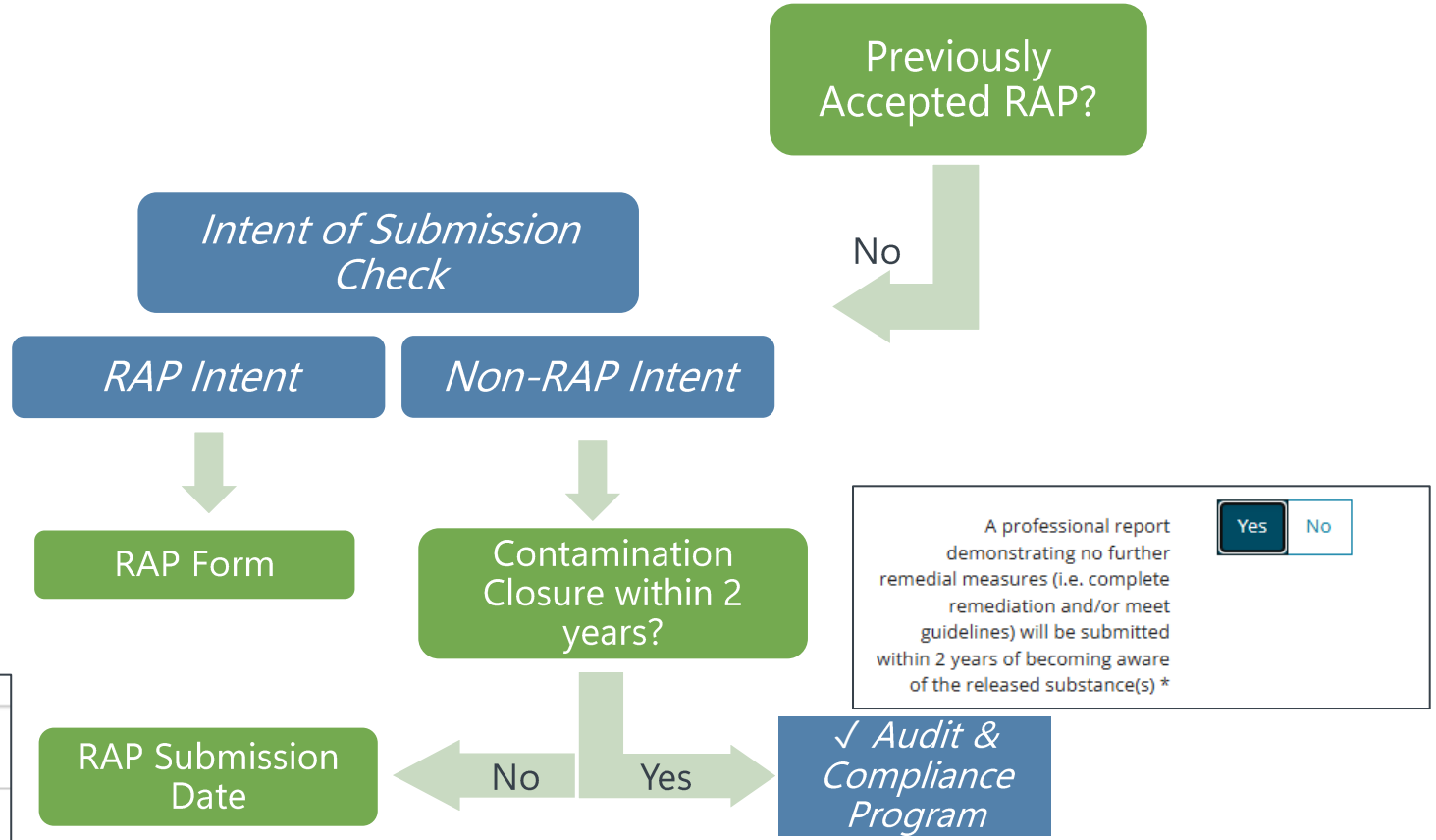
- ✓ Reduce administrative returns and non-compliances
- ✓ Reduce administrative burden, only relevant information requested
- ✓ Clear commitment dates for *Remediation Regulation* compliance
- ✓ Enhanced user experience, intuitive workflows guide users through the form relevant to their submission's intent
- ✓ Improve submission quality



Information Security Classification: Protected A

Are there any plans for further site assessment? *	Yes / No
Select most appropriate dropdown for the remediation status of the site *	
Are exposure control measures being implemented? *	Yes / No / N/A
When do you expect remedial measures to be complete? *	
Does this date correspond to the anticipated end of life of the site? *	Yes / No

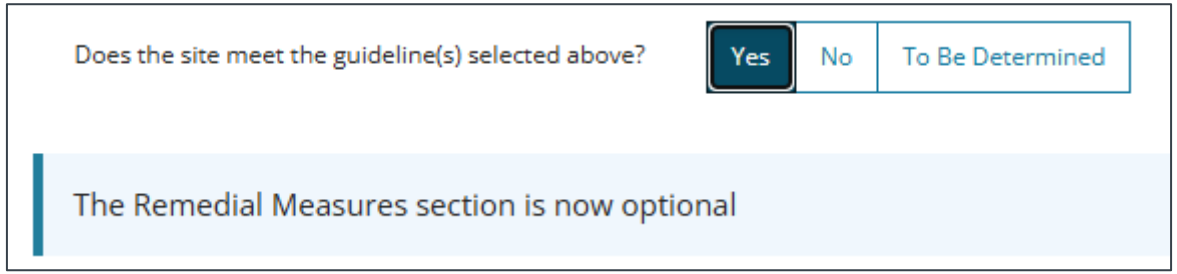
Indicate a date, within 90 days, that you will submit a Remedial Action Plan *	



Information Security Classification: Protected A

Remedial Measures

Remedial Measures Tab



A reminder that the remedial measures section is only required when a guideline is not met.

Proximity to Urban Centers



Urban Centers

Sites in Proximity to Urban Centers

***Environmental Protection and Enhancement Act*:** promotes and supports protection, enhancement, and wise use of the environment

Adverse effect includes the impairment of property

Contaminated Sites Policy Framework: promotes assessment, proper management of risks and returning land to productive use

AER is looking at sites:

- in close proximity to urban centers, or
- where known development pressure exists.

Objective: To accelerate remediation and closure as much as feasibly possible to return the land to productive use

Urban Centers

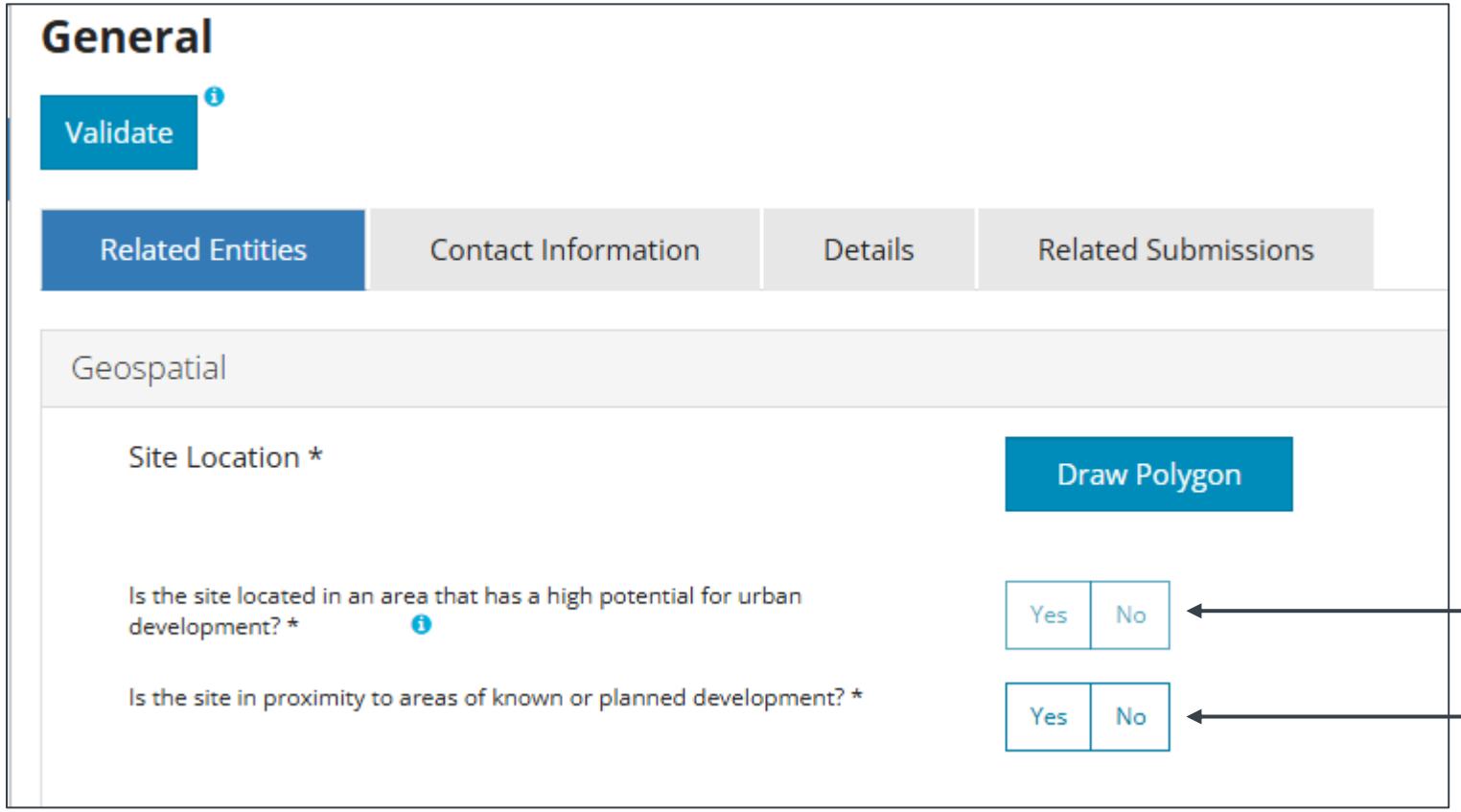
Sites in Proximity to Urban Centers

Objective: To accelerate remediation and closure as much as feasibly possible to return the land to productive use

Situation	Objective
Site is Inactive/Abandoned and readily accessible	Accelerated contamination closure to return land to productive use
Site is active/operating	Accelerated action to establish source control, reduce contamination footprint, if off-site, back to site lease.
Site has challenging contamination scenario necessitating long-term risk management	Pursue progressive action, establish Risk Management Plan and ensure alternate or productive land use is possible while RMP is undertaken.

Urban Centers

Sites in Proximity to Urban Centers



GIS-driven question

User answered question

Urban Centers

Sites in Proximity to Urban Centers

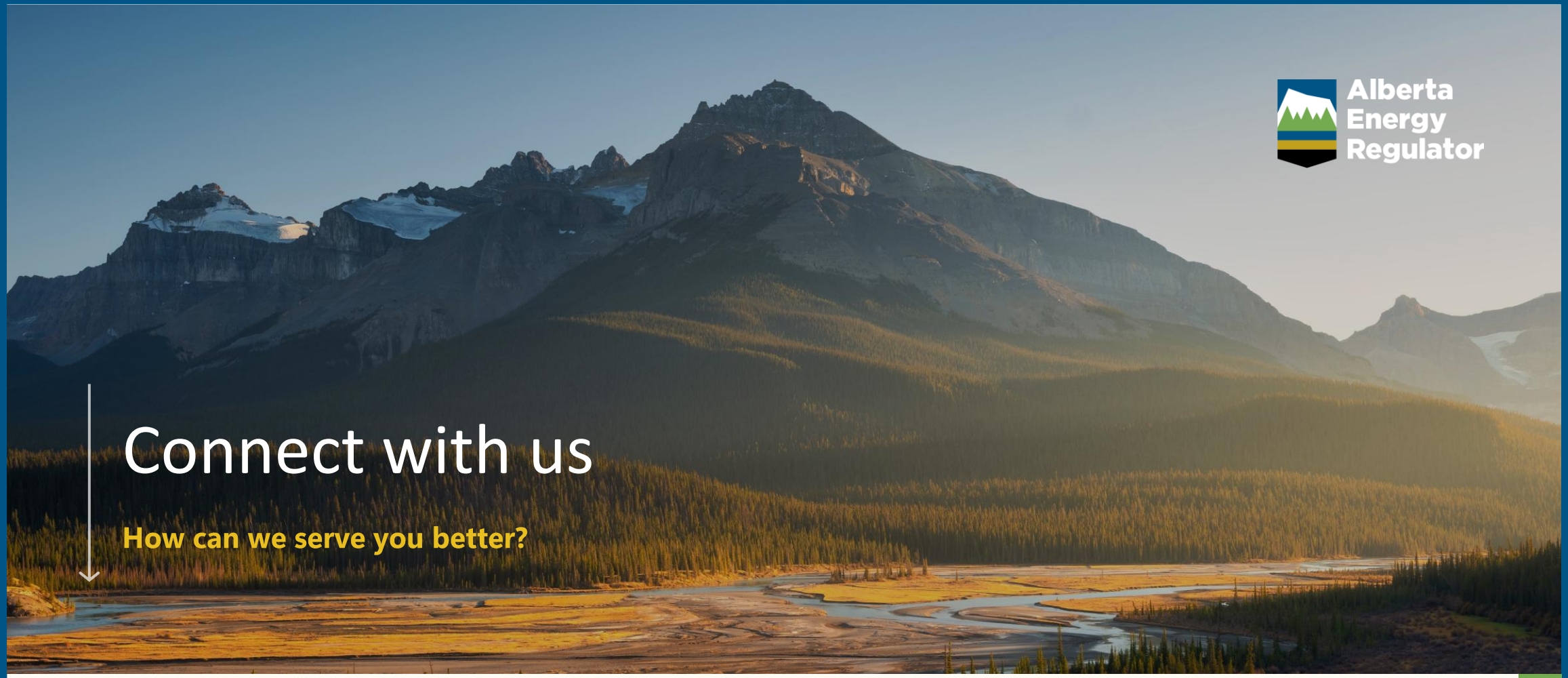
How does the AER determine development pressure?

High likelihood of development pressures	Known development pressure
In close proximity (1km or within) to a city, town, or special municipal district	Licensee is aware of development activities or potential future development at or in the vicinity of the site. This includes any proposed, planned, or ongoing/active development.
GIS-driven response in OneStop determined by GeoSpatial analysis	User response in OneStop

Key Takeaways

- Establish your RAP
- Remedial Measures Redesign
- Accelerated action in proximity to urban centers





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