

Alberta Brine-Hosted Minerals Reporting

| Jurisdiction | Release/Revision Date | Location of Change in this Document | Comment |
|--------------|-----------------------|-------------------------------------|-----------------|
| AB | March 6, 2024 | | Initial Release |

Audience: All Alberta Stakeholders

Purpose: To notify stakeholders of the addition of brine-hosted minerals reporting functionality available in Petrinex for Alberta.

Background:

The Mineral Resource Development Act (MRDA) was enacted in 2021 and provides for the responsible development of Alberta mineral resources in the public interest. This is administered by the Alberta Energy Regulator (AER) and applies to all naturally occurring mineral resources in Alberta.

Key Principles:

On March 1, 2023, the AER became the life-cycle regulator of brine-hosted minerals. With the inclusion of brine-hosted mineral reporting requirements, operators engaged in brine-hosted mineral activities are required to submit brine-hosted mineral facility and well, production, injection and disposition activities, and volumes in Petrinex.

This new functionality will enable Industry to set up their brine-hosted mineral processing facilities and wells in Petrinex and submit monthly brine-hosted mineral volumetric reporting to the AER, using the current Petrinex to AER extract processes which will fulfill AER's mandate to collect brine-hosted mineral volumetric and infrastructure data.

Infrastructure Changes:

Brine-hosted minerals infrastructure functionality within Petrinex includes:

- New brine-hosted minerals facility subtypes for batteries and injection facilities.
- New brine-hosted minerals well statuses, transitions, and validations.
- New brine-hosted minerals well/facility subtype linkages.
- Commingling functionality for brine-hosted minerals wells.

Volumetric Changes:

Current volumetric submission processes have been modified to allow submission of on-line and batch submissions of brine-hosted minerals reporting data in Petrinex including:

- Modifications to existing, and creation of new edit rules to support brine-hosted minerals reporting.
- Edits to allow use of the activity SHR for WATER/BRKWTR at the new battery subtypes and activity INJ of WATER/BRKWTR at the new injection facility subtype.
- Edits to disallow volumetric submission for brine-hosted mineral observation wells and production of hydrocarbons at a brine-hosted mineral well status for more than 3 consecutive months.
- Modifications to existing volumetric noncompliance processes to support brine-hosted minerals reporting.
- Modification of interfaces to the Alberta Energy Regulator and Alberta Ministry of Energy and Minerals systems to include brine-hosted minerals reporting data.
- Modifications to the Enhanced Production Audit Program (EPAP) processes to include brine-hosted minerals facilities.
- Modifications of current AB public use data reports to include brine-hosted minerals facilities, wells, and volumetrics.
- Creation of a new security role template called “Brine Minerals Reporting” for use by BA User Security Administrators (USA) to assign user access to brine-hosted minerals reporting tasks.

Petrinex learning modules on the Brine-Hosted Minerals functionality changes in Petrinex and how to report brine activities in Alberta will be available soon. More information to follow.

For More information:

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