

Alberta Nitrogen Vent Reporting Functionality

Jurisdiction	Release/Revision Date	Location of Change in this Document	Comment
AB	December 16, 2021		Initial Release

Audience: All Alberta Stakeholders

Purpose: To remind stakeholders that Petrinex functionality was enhanced in April 2021 to allow the product of nitrogen to be reported as a separate vented product.

Background: In an effort to encourage more transparent reporting of vent activities, as of April 2021 the list of products that could be reported for the activity of vent was expanded to include nitrogen. This can help differentiate hydrocarbon vented volumes from non-hydrocarbon vented volumes and will contribute to more accurate emissions reporting. In addition to helium wells, some oil and gas wells may also contain large compositions of nitrogen in the vented stream, and it may be beneficial to report vented nitrogen separately from the vented Gas for these wells.

Key Principles: The Alberta Energy Regulator (AER) has acceptable tolerances for vented gas volumes, and Operators will receive volumetric reporting errors if these tolerances are exceeded. In some instances, vented volumes may contain significant amounts of nitrogen, which if reported separately from the gas volume could bring the reported gas vent volumes within acceptable tolerance where vented gas would otherwise exceed the tolerance. If nitrogen can be identified in the vented gas stream and appropriately measured, Operators are encouraged to report nitrogen vented volumes separate from vented gas volumes to provide a more accurate representation of the products vented at oil and gas wells and facilities.

Note that Carbon Dioxide (CO₂) may also be reported as a separate vented product if it can be identified in the vented gas stream and appropriately measured. Operators are also encouraged to report CO₂ vented volumes separate from vented gas volumes when feasible.

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