BRITISH COLUMBIA ENERGY REGULATOR

Application Management System September Release Guide

VERSION 1.0: September 2023

About the Regulator

The BC Energy Regulator (Regulator) is the single-window regulatory agency with responsibilities for regulating energy activities in British Columbia, including exploration, development, pipeline transportation and reclamation.

The Regulator's core roles include reviewing and assessing applications for industry activity, consulting with First Nations, ensuring industry complies with provincial legislation and cooperating with partner agencies. The public interest is protected by ensuring public safety, protecting the environment, conserving petroleum resources and ensuring equitable participation in production.

Vision, Mission and Values

Vision

A resilient energy future where B.C.'s energy resource activities are safe, environmentally leading and socially responsible.

Mission

We regulate the life cycle of energy resource activities in B.C., from site planning to restoration, ensuring activities are undertaken in a manner that:

Protects public safety and the environment

Supports reconciliation with Indigenous peoples and the transition to low-carbon energy

Conserves energy resources

Fosters a sound economy and social well-being

Values

Respect is our commitment to listen, accept and value diverse perspectives.

Integrity is our commitment to the principles of fairness, trust and accountability.

Transparency is our commitment to be open and provide clear information on decisions, operations and actions.

Innovation is our commitment to learn, adapt, act and grow.

Responsiveness is our commitment to listening and timely and meaningful action.

Additional Guidance

As with all Regulator documents, this manual does not take the place of applicable legislation. Readers are encouraged to become familiar with the acts and regulations and seek direction from Regulator staff for clarification. Some activities may require additional requirements and approvals from other regulators or create obligations under other statutes. It is the applicant and permit holder's responsibility to know and uphold all legal obligations and responsibilities.

Throughout the manual, there are references to guides, forms, tables and definitions to assist in creating and submitting all required information. Additional resources include:

- Glossary and acronym listing on the Regulator website.
- Documentation and guidelines on the Regulator website.
- Frequently asked questions on the Regulator website.
- Advisories, bulletins, reports and directives on the Regulator website.
- Regulations and Acts listed on the Regulator website.

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Table of Revisions

The Regulator is committed to the continuous improvement of its documentation. Revisions to the documentation are highlighted in this section and are posted to the Documentation Section of the Regulator's website. Stakeholders are invited to provide input or feedback on Regulator documentation to Systems@bc-er.ca or submit feedback using the feedback form.

Version Number	Posted Date	Effective Date	Chapter Section	Summary of Revision(s)
1.0	September 1, 2023	September 1, 2023	Various	This document outlines changes to the Application Management System (AMS) for September 1, 2023 release. For more information, refer to TU-2023-12

Chapter 1: Introduction

Effective, September 1, 2023, the Energy Resources Activities Act (ERAA) will replace the Oil and Gas Activities Act (OGAA) and expand BCER's responsibilities to include the regulation of hydrogen, ammonia, and methanol.

As a result of the expanded responsibilities and additional enhancements required, the following changes have been made to the Application Management System (AMS):

- Addition of the following facility types:
  - Hydrogen Manufacturing Facility
  - Ammonia Manufacturing Facility
  - Methanol Manufacturing Facility
  - Carbon Dioxide Storage Facility
  - Gas Conversion Facility
  - Petroleum Refinery
- Addition of CO2 Capture (e^3m^3/day) as an equipment type for all facility types regulated by the BCER
- Addition of Production Capacity (tonnes/year) for the following facility types:
  - Hydrogen Manufacturing Facility
  - Ammonia Manufacturing Facility
  - Methanol Manufacturing Facility
  - LNG Facility
- Addition of the following pipeline product types:
  - Hydrogen
  - Ammonia
- Addition of CO2 as an objective fluid type for well bottom hole details
- Updated RCNR and RHE Line list

This guide provides a brief overview of the changes and instructions on how to navigate the system with these changes.

Chapter 2: Description of Changes

2.1 Addition of Facility Types

What was the change?

In order to align the AMS with regulation changes, the following facility application types have been added:

- Ammonia Manufacturing Facility
- Carbon Dioxide Storage Facility
- Gas Conversion Facility
- Hydrogen Manufacturing Facility
- Methanol Manufacturing Facility
- Petroleum Refinery

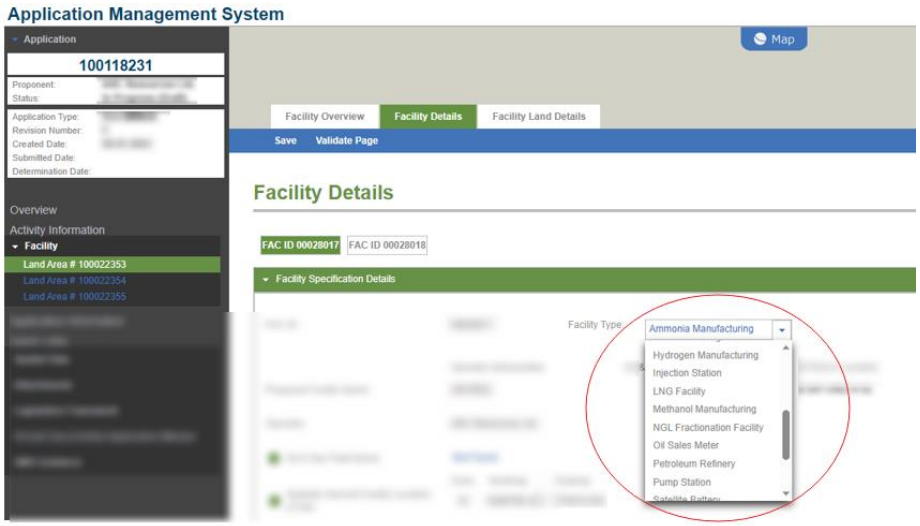
What is the user impact?

Applicants may apply for the new facility types by submitting a facility application through the Application Management System (AMS). The spatial data file must follow the standards outlined in the AMS Spatial Data Submission Standards Manual and reference the appropriate FAC_TYPE as follows:

FAC_TYPE	Value Description
Ammonia Manufacturing Facility	AMM
Carbon Dioxide Storage Facility	CAR
Gas Conversion Facility	GC
Hydrogen Manufacturing Facility	HYD
Methanol Manufacturing Facility	MET
Petroleum Refinery	PR

For more information on how to create an application in the AMS, see Chapter 5 of the AMS User Manual.

In addition, the new facility types have been added to the “Facility Type” drop down list located under the Facility Details tab within the AMS application. Applicants may select the facility type from this list by clicking on the drop down arrow; selecting the desired facility type; and saving the page.



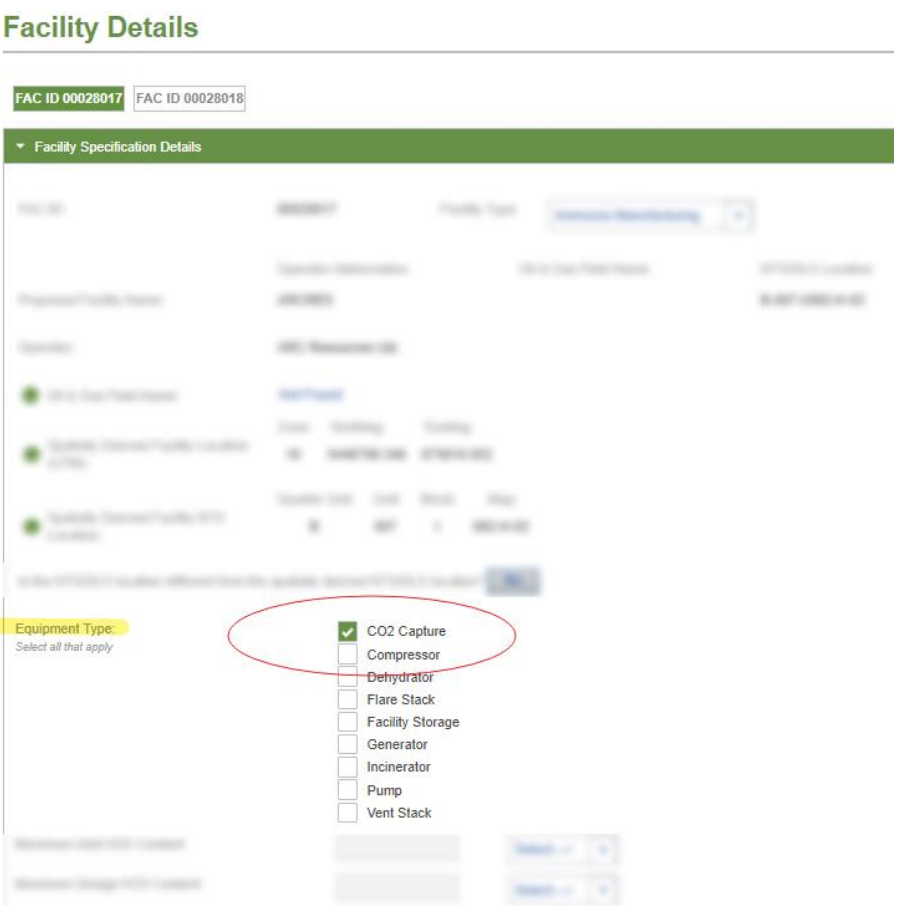
2.2 Addition of Facility Equipment Type

What was the change?

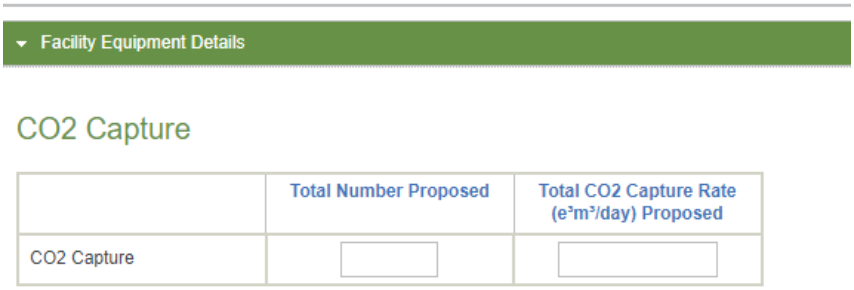
CO2 Capture has been added to the facility equipment type selection list. This option is available for selection in all facility applications and historical facility submissions.

What is the user impact?

Applicants may select "CO2 Capture" as an equipment type from the "Equipment Type" selection list located in the Facility Specifications Details section under the Facility Details tab:



When CO2 Capture has been selected, applicants must enter the total number of carbon capture packages proposed and the total CO2 capture rate (e^3m^3/day) proposed in the Facility Equipment Details section of the application:



2.3 Addition of Production Capacity

What was the change?

Addition of production capacity (tonnes/year) for the following facility types:

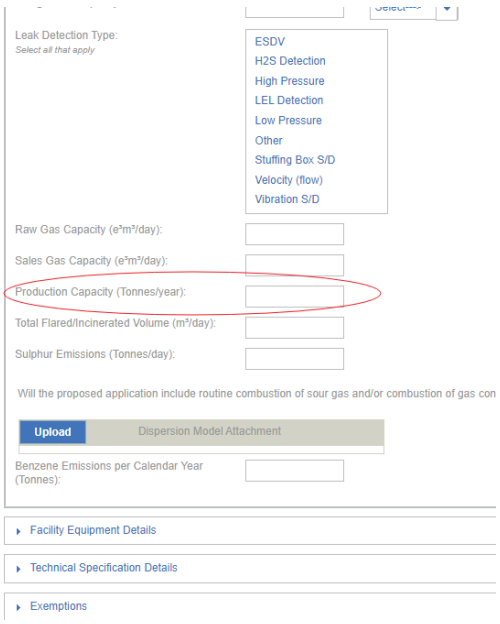
- Hydrogen Manufacturing Facility
- Ammonia Manufacturing Facility
- Methanol Manufacturing Facility
- LNG Facility

What is the user impact?

The question, "Production Capacity (Tonnes/year)," has been added to all facility applications and historical facility submissions that include the following facility types:

- Hydrogen Manufacturing Facility
- Ammonia Manufacturing Facility
- Methanol Manufacturing Facility
- LNG Facility

This question is located in the Facility Specification Details section under the Facility Details tab:



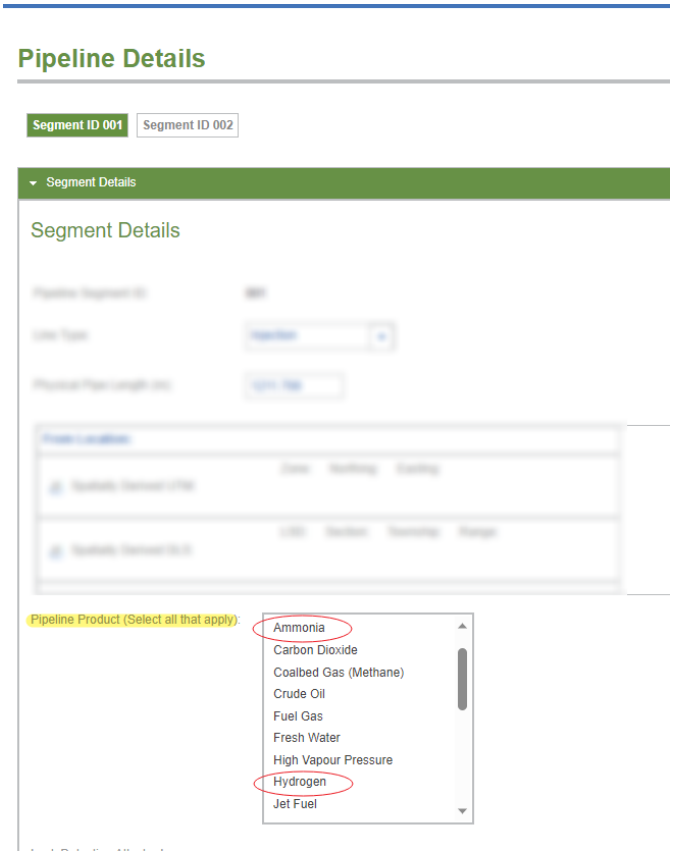
2.4 Addition of Pipeline Product Type

What was the change?

Hydrogen and ammonia have been added to the pipeline product selection list. This option is available for selection in all pipeline applications and historical pipeline submissions.

What is the user impact?

Applicants may now select “Hydrogen” and “Ammonia” from the ”Pipeline Product” selection list located in the Segment Details section under the Pipeline Details tab:



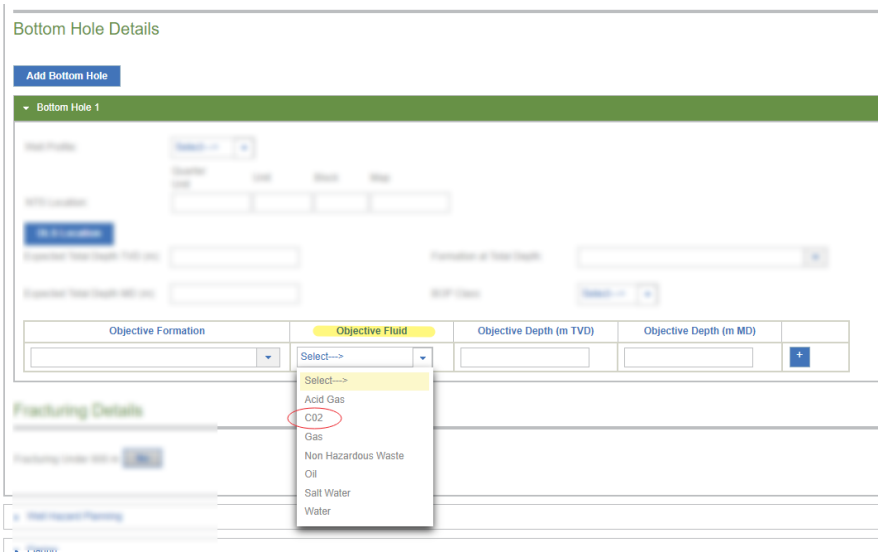
2.5 Addition of Objective Fluid Type

What was the change?

CO2 has been added to the bottom hole objective fluid drop down list. This option is available for selection in all well applications.

What is the user impact?

Applicants may now select “CO2” as an objective fluid from the “Objective Fluid” drop down list located in the Bottom Hole Details section under the Well Details tab:



2.6 Updated RCNR and RHE Line Lists

What was the change?

The RCNR Line List and RHE Line List have been updated to reflect the recent name change from BC Oil and Gas Commission to BC Energy Regulator and the change in legislation from *Oil and Gas Activity Act* (OGAA) to *Energy Resources Activity Act* (ERAA).

What is the user impact?

Effective Sept. 1, 2023, applications submitted in AMS will require the upload of the new RCNR or RHE Line list.

Updates to the RCNR Line List include:

- Changes to the drop down options in the "Method of Service" and "Recipient Preferred Method of Service" columns to reflect the change from the Oil and Gas Activities Act (OGAA) to the Energy Resources Activities Act (ERAA).
- Updates to the Column headers to reflect the name change.
- Updates to hover over hints to reflect the name change and improve clarity.

Updates to the RHE Line List include:

- Updates to hover over hints to reflect the name change and improve clarity.
- Update to the "Activity Type" drop down list to reflect CER where applicable.

More information regarding the requirements for engagement can be found in Chapter 6 of the Oil and Gas Activity Application Manual.