BRITISH COLUMBIA ENERGY REGULATOR

Application Management System May 2026 Release Guide

VERSION 1.0: May 2026

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

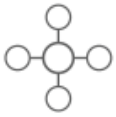
A resilient energy future where B.C.'s energy resource activities are safe, environmentally leading and socially responsible.

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	May, 2026	May 20, 2026	Various	This document outlines changes to the Application Management System (AMS) to support submission workflows for Class 1, Class 2, and Class 3 Hydrogen Facility applications

Chapter 1: Introduction

On May 20, 2026, the BCER implemented updates to the Application Management System (AMS) to support submission workflows for Class 1, Class 2, and Class 3 hydrogen manufacturing facility applications. This release introduces a mandatory data field for the *Maximum Aggregate Weight of Hydrogen at Operating Area of Facility (tonnes).* Together with the Production Capacity (tonnes/year) value determines the facility classification and corresponding application requirements.

Once these fields are entered, the AMS automatically assigns the facility class and updates the required application components accordingly.

This guide provides a brief overview of the AMS updates and instructions for submitting a hydrogen manufacturing facility application.

Chapter 2: Description of Changes

2.1 Addition of Hydrogen Facility Data Fields

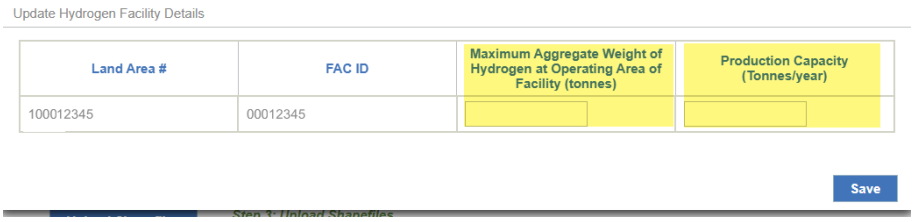
What was the change?

A new mandatory field - **Maximum Aggregate Weight of Hydrogen at the Operating Area of the Facility (tonnes)** - has been added to the hydrogen manufacturing facility application. This value, together with the value entered in the **Production Capacity (tonnes/year**), determines the facility classification and corresponding application requirements.

What is the user impact?

After the application has been created and the spatial data has been successfully uploaded, applicants will be prompted to enter the following mandatory information:

- Maximum Aggregate Weight of Hydrogen at Operating Area of Facility (tonnes)
- Production Capacity (tonnes/year)



Upon entering and saving these values, the AMS automatically assigns the facility class based on the thresholds shown below:

Hydrogen Facility Classification Table

Class	Maximum Aggregate Weight of Hydrogen at Operating Area of Facility (tonnes)	Production capacity (tonnes/year)	
1	<4.5	<100,000	Not co-located with a facility for manufacturing ammonia or methanol.
2	>=4.5	<100,000	Not co-located with a facility for manufacturing ammonia or methanol.

3	>4.5	>100,000	Facilities that do not meet the criteria of Class 1 or Class 2

After the facility class has been determined, AMS will update the application requirements relevant to that classification.

2.2 Application Requirements based on Hydrogen Manufacturing Facility Classification

Hydrogen Facility Class 1	A Class 1 Hydrogen Facility means a hydrogen facility where the aggregate weight of hydrogen at the facility (in storage and process equipment) is less than 4.5 tonnes. The facility cannot be co-located with a facility for manufacturing ammonia or methanol from petroleum, natural gas, water, or another substance.
Hydrogen Facility Class 2	A Class 2 Hydrogen Facility means a hydrogen facility where the aggregate weight of hydrogen at the facility (in storage and process equipment) is equal to or more than 4.5 tonnes. The maximum hydrogen manufacturing capacity of the facility must be less than 100,000 tonnes of hydrogen per year. The facility cannot be co-located with a facility for manufacturing ammonia or methanol from petroleum, natural gas, water, or another substance.
Hydrogen Facility Class 3	Class 3 Hydrogen Facilities are facilities which do not meet the criteria of Class 1 or Class 2 hydrogen facilities. Class 3 Hydrogen Facilities are regulated under the BCER's Energy Resource Activities Act Processing Facility Regulation.
	Completion of all mandatory fields in the Application Activity Details and Information tabs is required. Additional details are outlined below.
	Facility Overview Tab The hydrogen manufacturing facility classification defines the required document attachments, including all relevant "Reports and Statements" as defined in the *Hydrogen Facility Regulation*. These may include, as applicable, the Engineer of Record's statement, reports on studies completed, reports on social and cultural

effects, reports on pre-engagement, and reports on verification of quality assurance programs.

Facility Details Tab

- Oil and Gas Field Name

AMS will spatially derive the oil and gas field name or display "not found" if the location falls outside a defined field. If "not found" displays, applicants may select the nearest appropriate field from the dropdown list or enter the nearest geographical reference. To enter a name not listed, select "Other Areas" and provide the name in the 'specify area' field. The selected or entered field name will populate as part of the proposed facility name.

- Equipment Types

Select all proposed equipment types from the available list.

- Maximum Aggregate Weight of Hydrogen at Operating Area of Facility (tonnes)

Auto populated from the application creation stage. Any changes made to this field may alter the facility classification.

- Production Capacity

Auto populated from the application creation stage. Any changes made to this field may affect the facility class.

- Leak Detection Type
  - Class 1 – Not applicable
  - Class 2 – Optional
  - Class 3 - Mandatory

Application Information

- Administrative Tab:
  The Administrative tab captures information related to the representatives for various aspects of the application. The information provided will serve as a source of contact for the Regulator when information is required during review.

  In the facility application, the designated Facility Engineer is mandatory and will receive an email notification upon submission of the application.

  If an archaeology review or HCA permit is required, an Archaeologist contact is mandatory and will also receive an email notification upon submission of the application.
- Forestry Tab:
  Applicants must indicate whether a cutting permit is required for new cut on Crown land. If "Yes," enter the total proposed new cut over Crown land and MoTI areas.

  Applicants must ensure they hold a valid Master Licence to Cut (MLTC) prior to applying for a cutting permit on Crown land. If an MLTC is required, applicants should refer to the Regulator's Permit Operations and Administration Manual for guidance on obtaining and administering the licence.

- Stewardship Tab:
  Class 2 Hydrogen Facility applications require the upload of a Potential Environmental Impacts Report. Applicants must identify whether the report identifies potential adverse impacts. If "Yes," they must confirm whether mitigation measures are included.
- Agriculture Tab:
  Agricultural details are not required for hydrogen manufacturing facility applications. If the facility is located within the Agricultural Land Reserve (ALR), proponents must consult the Agricultural Land Commission regarding any potential non-farm-use requirements.
- Archaeology Tab:
  Archaeological requirements vary by activity type. All information entered in the AMS Archaeology tab must be provided by, or obtained from, a certified or permitted archaeologist. Due to the unique characteristics of hydrogen projects, some applications may meet the criteria of an administrative change. Applicants are encouraged to verify this with the Regulator's Heritage Conservation Program staff (archaeologydl@bc-er.ca). Applications that qualify as an Administrative Change are not required to submit archaeological deliverables.
- Consultation and Notification Tab:
  - Notification Requirements for a Class 1 Hydrogen Manufacturing Facility
    Class 1 facility falls on private land and the applicant does not own the land on which the facility is located, a Landowner Notification Report must be submitted with the application.
  - Notification Requirements for a Class 2 Hydrogen Manufacturing Facility
    the applicant is required to submit the Public Engagement and Notification report as outlined in section 10 of the Hydrogen Facility Regulation.
  - Class 3 - Applications that do not meet the criteria of Class 1 or Class 2 hydrogen facilities will follow consultation and notification requirements outlined in the Requirements for Consultation and Notification Regulation (RCNR).
- Maps and Plans Tab:
  - Class 1 – Not required.
  - Class 2 – Not required.
  - Class 3 – Mandatory: Construction Plan, 1:20, 000 and 1:250,000 plans

Additional Information

Proponents and permit holders should consult the applicable regulations and associated guidance to confirm the requirements for each hydrogen manufacturing facility class. Additional Resources:
Hydrogen Facility Application & Operations Manual.
Energy Resource Activity Application Manual.
AMS User Manual