



Application Management System August 2020 Release Guide

VERSION 1.0: Aug 17, 2020

About the Commission

The BC Oil and Gas Commission (Commission) is the single-window regulatory agency with responsibilities for regulating oil and gas activities in British Columbia, including exploration, development, pipeline transportation and reclamation.



The Commission'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

Safe and responsible energy resource development for British Columbia.

MISSION

We provide British Columbia with regulatory excellence in responsible energy resource development by protecting public safety, safeguarding the environment and respecting those individuals and communities who are affected.

VALUES

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.

Integrity

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

Respect

Is our commitment to listen, accept and value diverse perspectives.

Responsiveness

Is our commitment to listening and timely and meaningful action.



Additional Guidance

As with all Commission 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 Commission 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 Commission website.
- [Documentation and guidelines](#) on the Commission website.
- [Frequently asked questions](#) on the Commission website.
- [Advisories, bulletins, reports and directives](#) on the Commission website.
- [Regulations and Acts](#) listed on the Commission website.

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Table of Revisions

The Commission is committed to the continuous improvement of its documentation. Stakeholders are invited to provide input or feedback on Commission documentation to OGC.Systems@bcogc.ca.

Version Number	Posted Date	Effective Date	Chapter Section	Summary of Revision(s)
1.0	Aug 17, 2020	Aug 17, 2020	Various	This document outlines changes to the Application Management System (AMS) for the Aug 17, 2020 release. For more information, refer to INDB 2020 - 18

Chapter 1: Introduction

On August 17, 2020, a new release of the Application Management System (AMS) will be made available. The following changes are included:

- Enhancements to the workflow for facility air emissions requirements
- Additional benzene emission requirement
- Additional flare stack requirement
- Addition of vent stack to equipment type selection list
- Tables added to the Facility Equipment Details section

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

2.0 Facility Air Emission Requirements

2.0.1 Air Emissions Section Removed from the Facility Overview Page

What was the change?

In an effort to improve the workflow in AMS facility applications, the information requirements that were found in the Emissions Air Details section of the Facility Overview page have been moved to the Facility Details page.

What is the user impact?

All air emissions information requirements will now be entered in the Facility Specifications section of the Facility Details tab. See the [Enhancements to the Facility Equipment Details](#) section of the Release Guide for more information.

2.0.2 Benzene Emissions Information Requirements

What was the change?

The benzene emissions information requirement, previously located in the dehydrator equipment specifications section, has been moved to the Facility Specification Details section. In addition, a new question regarding distance to the dehydrator emission source to the nearest surface development will display when the benzene emissions are greater than zero.

What is the user impact?

A response will be required when the new question 'Distance of dehydrator emission source to the nearest surface development (metres)' displays in the Facility Specifications section. This question will display when a value greater than zero has been entered in the 'Benzene Emissions per Calendar Year (Tonnes)' field.

Raw Gas Capacity (e³/m³/day):

Sales Gas Capacity (e³/m³/day):

Total Flared Volume (m³/day):

Sulphur Emissions (Tonnes/day):

Facility Losses (includes Fuel, Vent, and Flare) (m³/day):

Will the proposed application include routine combustion of sour gas and/or combustion of gas containing >= 1 mole percent H₂S for a duration of >= 15 minutes or that results in 1 tonne/rolling 24 hrs of sulphur emissions?

Dispersion Model Attachment

Benzene Emissions per Calendar Year (Tonnes):

Distance of dehydrator emission source to nearest surface development (metres):

Additional Information

A Dehydrator Emission Source is defined as the location where the still-column-vent vapours are released directly to the atmosphere. For still-column-vent vapours routed to a control technology, the source would be the release point from the technology. Where more than one technology is in use, the emissions source is the one closest to the surface development (e.g., exit from a flare, incinerator, burner vent, or condenser system).

A Surface Development is defined as a permanent dwelling, public facility, or development occupied full time or part time (e.g., a private residence, school, hospital, campground, recreation centre, work camp, or place of work, excluding a neighbouring oil and gas site).

2.1 Addition of an Equipment Type - 'Vent Stack'

What was the change?

'Vent Stack' has been added to the equipment type selection list. This option will be available for selection in all facility application types and historical submissions.

What is the user impact?

The equipment option 'Vent Stack' is now available for selection from the Equipment Type selection list found in the Facility Specifications section of the Facility Details page.

Equipment Type:
Select all that apply

- Compressor
- Pump
- Generator
- Flare Stack
- Incinerator
- Facility Storage
- Dehydrator
- Vent Stack

When Vent Stack has been selected, applicants will be required to provide the total number of vent stacks proposed in the Equipment Details section.

Facility Equipment Details

Vent Stack

	Total Number of Vent Stacks Proposed
Vent Stack	<input type="text"/>

2.2 Changes to Facility Flare Stack Requirements

What was the change?

Applicants are required to indicate the number of high pressure flares and the number of low pressure flares when the equipment type 'Flare Stack' is included in the application.

What is the user impact?

When 'Flare Stack' has been selected from the Equipment Type selection list found on the Facility Details page, applicants will be required to enter additional information into the Flare Stack table. This table is located in the Facility Equipment Details section and the applicant must specify:

- The proposed number of high pressure flares and estimated high pressure flare rate, and/or
- The proposed number of low pressure flares and estimated low pressure flare rate.

Additional Information

High pressure flare stacks may include volumes from continuous or intermittent high pressure streams such as glycol flash tanks, compressor or facility equipment depressurization events, purge and pilot gas, and for regular maintenance.

Low pressure flare stacks may include volumes from continuous or intermittent low pressure streams such as production tanks, glycol regenerator overhead still columns, purge and pilot gas, and for regular maintenance.

2.3 Enhancements to the Facility Equipment Details Section

What was the change?

Additional tables have been added to the Facility Equipment Details section for new facility applications. For facility amendments and historical facility submissions, the tables will auto-populate the permitted and constructed equipment information.

What is the user impact?

New equipment tables for facility applications

Tables have been added to the Facility Equipment Details section, found on the Facility Details page, when the following facility equipment types are selected:

- Flare Stack
- Incinerator
- Facility Storage
- Dehydrator
- Vent Stack

These new tables include columns that requires users to enter the total number of equipment proposed and when applicable, the total rate or capacity proposed.

Facility Amendment Applications and Historical Facility Submission Equipment Tables

The equipment tables displayed in facility amendments and historical submissions will auto-populate the number of equipment permitted and the number of equipment constructed. These values are read only and are pulled from existing data in the Commission's database.

▼ Facility Equipment Details

Flare Stack

Flare Measurement Type	Total Number of Flares Proposed	Total Estimated Flare Rate (m3) Proposed
High Pressure	<input type="text"/>	<input type="text"/>
Low Pressure	<input type="text"/>	<input type="text"/>

Safety Controls:
Select all that apply

- Auto Ignition
- Continuous Pilot
- Continuous Purge
- Detonation Arrestor
- Flame Arrestor
- Flame-Out Detection/Shutdown
- Manual Ignition

In addition, a validation is in place to ensure the total number of equipment proposed is not less than the number constructed. Where an applicant is intending to remove constructed equipment, a service desk request must be submitted.

NOTE:

- The system will not accept a proposed value of '0' in the equipment tables. Please leave fields that are not required blank.
- If there is a discrepancy between your records and what has populated, from the Commission's database into the permitted or constructed values in the table, please submit a service desk request to servicedesk@bcogc.ca providing a rationale on the discrepancy. Once reviewed by the Commission, either a data correction or a historical application may need to be submitted.

Examples of the facility Equipment Details tables are shown in the following chart.

Equipment Tables

New Applications			Amendments/Historical Submissions								
Dehydrator											
	Total Number of Dehydrators Proposed			Number of Dehydrators Constructed	Number of Dehydrators Permitted	Total Number of Dehydrators Proposed					
Dehydrator	<input type="text"/>		Dehydrator	<input type="text"/>	<input type="text"/>	<input type="text"/>					
Facility Storage											
	Storage Type	Total Number Proposed	Total Capacity (m ³) Proposed		Storage Type	Number Constructed	Capacity (m ³) Constructed	Number Permitted	Capacity (m ³) Permitted	Total Number Proposed	Total Capacity (m ³) Proposed
	LNG Storage	<input type="text"/>	<input type="text"/>		LNG Storage	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Produced Fluid Tanks	<input type="text"/>	<input type="text"/>		Produced Fluid Tanks	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Produced Fluid Containment Ponds	<input type="text"/>	<input type="text"/>								
Flare Stack											
	Flare Type	Total Number of Flares Proposed	Total Estimated Flare Rate(m ³) Proposed		Flare Type	Number of Flares Constructed	Number of Flares Permitted	Estimated Flare Rate(m ³) Permitted	Total Number of Flares Proposed	Total Estimated Flare Rate(m ³) Proposed	
	High Pressure	<input type="text"/>	<input type="text"/>		High Pressure	<input type="text"/>	<input type="text"/>	0	<input type="text"/>	<input type="text"/>	
	Low Pressure	<input type="text"/>	<input type="text"/>		Low Pressure	<input type="text"/>	<input type="text"/>	0	<input type="text"/>	<input type="text"/>	
Incinerators											
	Total Number of Incinerators Proposed			Number of Incinerators Constructed	Number of Incinerators Permitted	Total Number of Incinerators Proposed					
Incinerators	<input type="text"/>		Incinerators	<input type="text"/>	<input type="text"/>	<input type="text"/>					
Vent Stack											
	Total Number of Vent Stacks Proposed			Number of Vent Stacks Constructed	Number of Vent Stacks Permitted	Total Number of Vent Stacks Proposed					
Vent Stack	<input type="text"/>		Vent Stack	1	1	2					