

Single Window GHG Reporting system

Updates for 2014 Reporting Cycle

Qinghan Bian

BC Ministry of Environment

Climate Action Secretariat

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Presentation to BC GHG Reporters and Verifiers

Single Window Reporting System

Two Parts of the System:

- SWIM
- BC GHG Module



The screenshot shows the 'Single Window Information Manager' web application. The header includes the title 'Single Window Information Manager' and the 'Canada' logo. A navigation menu contains links for 'Home', 'My Profile', 'Redeem EC Key', 'Request Access', 'Organizations', and 'ec.gc.ca'. The main content area displays a welcome message to 'Qinghan Bian' and a list of reporting programs. The 'Single Window Information Manager' link in the left sidebar and the main title are circled in blue. The 'BC Greenhouse Gas' program entry is highlighted with a red box.

Single Window Information Manager

Home

My Profile

Redeem EC Key

Request Access

Organizations

Guidance

Logout

Single Window Information Manager

Welcome Qinghan Bian, to Environment Canada's Single Window.

The reporting program(s) listed below are reporting programs that you currently have access to. If you require others please request access through your organization administrator.

[BC Greenhouse Gas](#)
Greenhouse Gas Reporting for the province of British Columbia

[Chemicals Management Plan](#)
Jointly delivered by Environment Canada and Health Canada, the Chemicals Management Plan identifies and addresses environmental and health risks under various federal laws.

[Operational Worker](#)
Application to enable administrators to view and manage program information submitted through United enabled applications

Updates/Changes to SWIM

-- The main framework remains the same

Minor changes made to

a. Identifiers -- BC GHG ID & NPRI ID

-- Permits

b. Stacks Information

NAICS codes

- Maximum three
- Each can be assigned only once
- Click the magnifying glass to expand the list (2012 version)



Single Window Information Manager

Home My Profile Redeem EC Key Request Access Organizations ec.gc.ca

Home > BC MOE Inc > MOE CAS1 > Identifiers

Single Window Information Manager

Identifiers

Required fields are marked with an asterisk (*).

NAICS Code Identifiers Permits

Type of Identifier
AB ERCB Facility ID Number (Upstream Oil & Gas only)

Identifier Add Identifier

BC GHG ID	3456
AB ERCB Facility ID Number (Upstream Oil & Gas only)	1234

Save Identifier

Change to Identifiers

1. NPRI ID removed from dropdown list
2. BC GHG ID appears but cannot be changed

Single Window Information Manager

Home My Profile Redeem EC Key Request Access Organizations ec.gc.ca

Home > BC MOE Inc > MOE CAS1 > Identifiers

Single Window Information Manager Identifiers

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BC MOE Inc
Contacts
Parent Organizations
Manage Access
Facilities
MOE CAS1
Identifiers
Stacks
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Logout

Required fields are marked with an asterisk (*).

NAICS Code Identifiers Permits

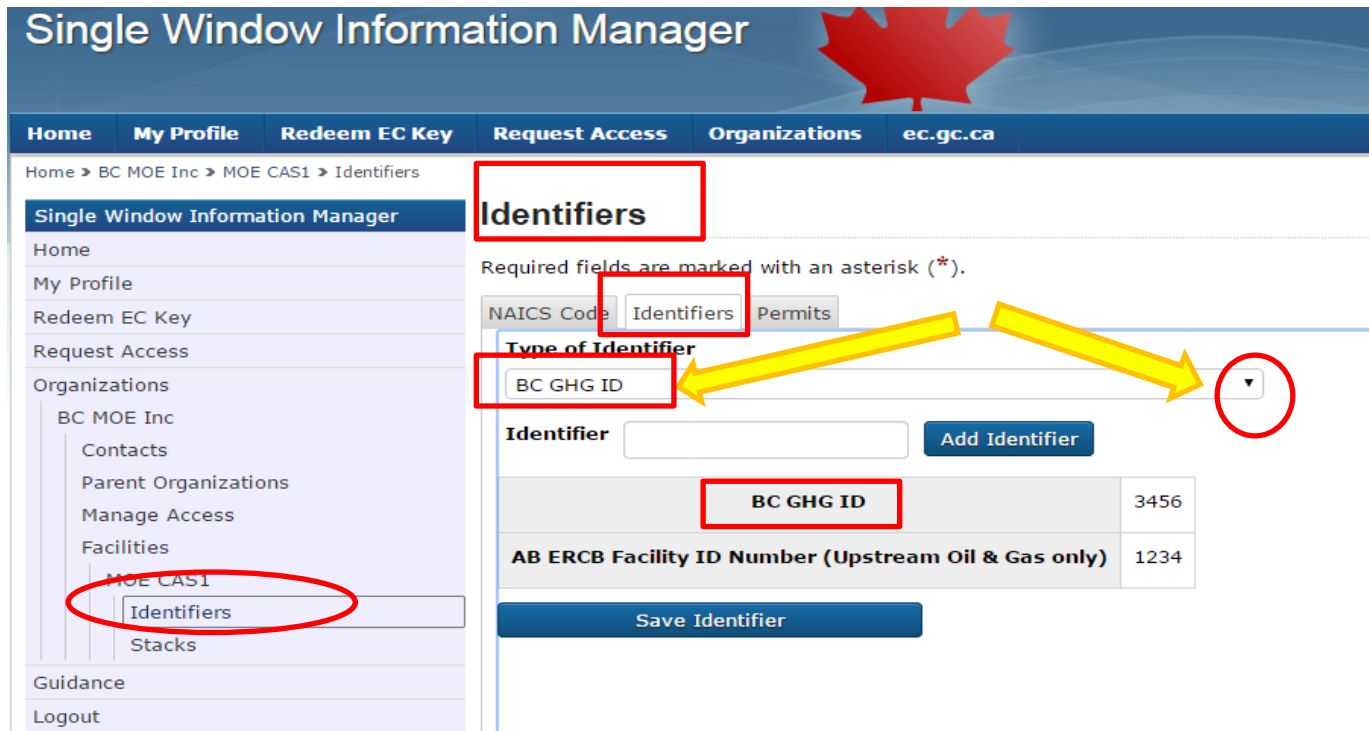
Type of Identifier

BC GHG ID

Identifier Add Identifier

BC GHG ID	3456
AB ERCB Facility ID Number (Upstream Oil & Gas only)	1234

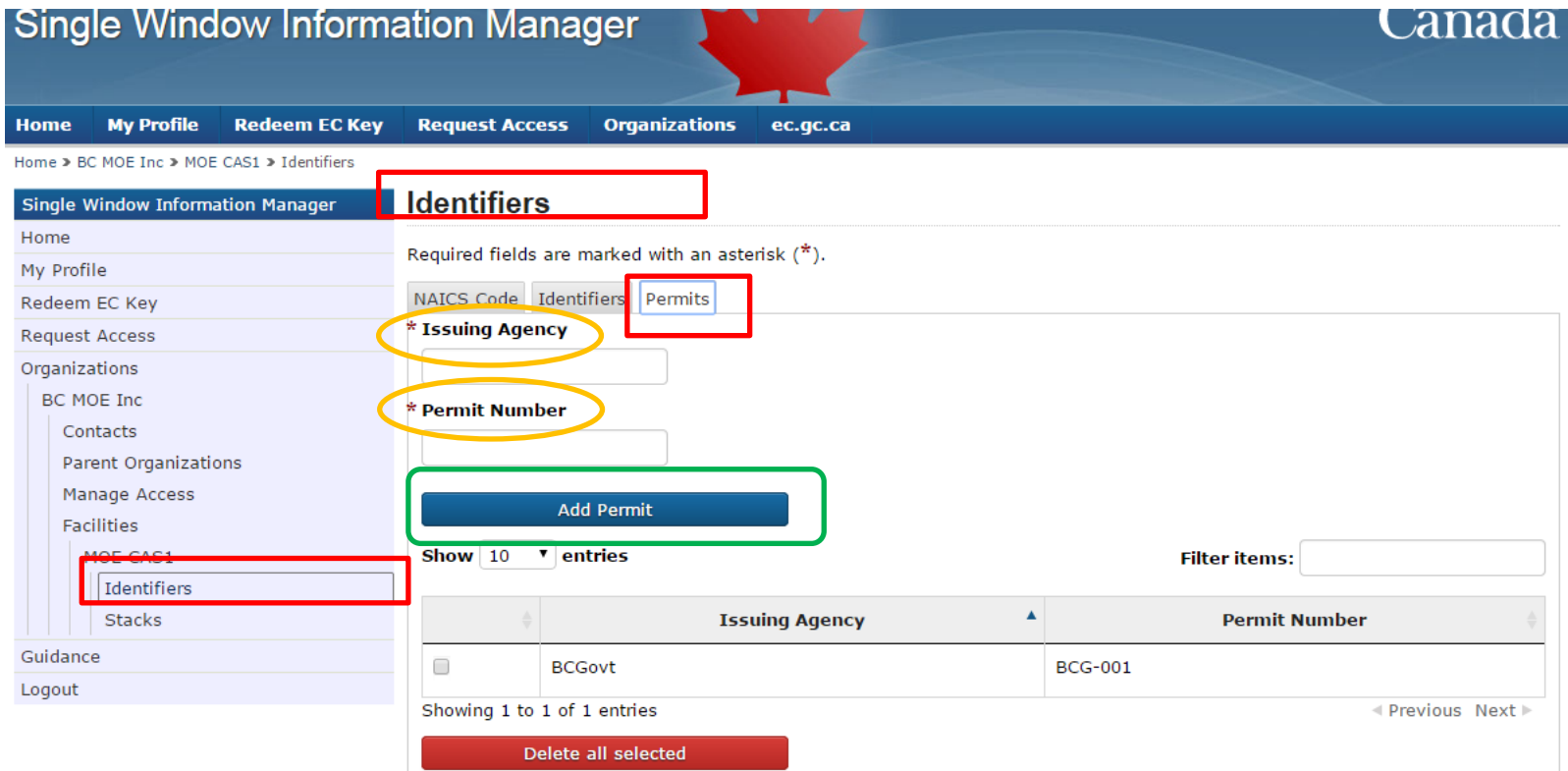
Save Identifier



Change to Identifiers

Permits

-- This section is now a mandatory field



Single Window Information Manager Canada

Home My Profile Redeem EC Key Request Access Organizations ec.gc.ca

Home > BC MOE Inc > MOE CAS1 > Identifiers

Single Window Information Manager **Identifiers**

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Required fields are marked with an asterisk (*).

NAICS Code Identifiers **Permits**

* Issuing Agency
* Permit Number

Add Permit

Show 10 entries Filter items:


	Issuing Agency	Permit Number
<input type="checkbox"/>	BCGovt	BCG-001

Showing 1 to 1 of 1 entries ◀ Previous Next ▶

Delete all selected

Changes to Stacks

The stack's geographical address accepts only numeric values

Single Window Information Manager  Canada

Home My Profile Redeem EC Key Request Access Organizations ec.gc.ca

Home

Single Window Information Manager **Stack**

Home

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MOE CAS1

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Required fields are marked with an asterisk (*).

* Stack name

* Height above grade, in meters* Equivalent diameter, in meters

* Average exit velocity, in m/s* Average exit temperature, in Celcius

Geographical Address

Latitude (N) (99.99999) Longitude (E) (999.99999)

Save

Numeric values only here

Managing Access

- **Key Point to manage the reporting process**
Two Access rights required to have full functionalities:
 - Single Window Information Manager SWIM Organization Lead
 - BC Greenhouse Gas Reporting Lead – **All Facilities**



Single Window Information Manager 

Home My Profile Redeem EC Key Request Access Organizations ec.gc.ca

Home > BC MOE Inc > Manage Access

Single Window Information Manager

Home
My Profile
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Manage Access

Below are all of the users that have access to your organization. To give others access to your organization, click on the "Grant Access" button. To delete any users that should no longer have access to your organization, use the "Delete all selected" button.

Grant Access...

Show 10 entries Filter items:

	User	Role	Details
<input type="checkbox"/>	Qinghan Bian	Single Window Information Manager SWIM Organization Lead	
<input type="checkbox"/>	Qinghan Bian	BC Greenhouse Gas Reporting Lead - All Facilities	

Showing 1 to 2 of 2 entries ◀ Previous Next ▶

Delete all selected

Updates to BC GHG Module

1. SWIM Validation

-- **“Always Save To SWIM on Commit”** is optional, recommend to always select (tick)

-- **NPRI ID** – if existing, will be displayed

Contact EC if you find the value is different

-- **BC GHG ID** – if existing, will be displayed

Contact us if a wrong value exists or if you don't have one yet

Single Window Reporting System

Home Help My Profile: Qinghan Bian Logout Ec.gc.ca

SWIM > 2014 > BC MOE Inc > MOE CAS1 > Verify Facility Information * indicates a required field, ** indicates a conditionally required field

Reporting Details

MOE CAS1

- BCGHG Reporting Lead - All Facilities
 - Facility Reporting Options
 - Select the Facility Contacts
 - Verify Facility Information
 - Facility Activities
- Activities
 - General Stationary Combustion
 - Non-attributable emissions
 - Captured CO2
 - Emissions Summary
- Attachments
 - Process Flow Diagram
 - Comments
 - Confidentiality Request
 - Uploaded Documents

SWIM Validation

Report Progress: 1/7 Page Status: Complete

Please verify the following information.

Always Save To SWIM On Commit

- Company Information

Legal Name *	BC MOE Inc
English Trade Name	BC MOE Inc
Business Number *	123000001
DUNS Number *	987600001
Mailing Address	77 Worship Highway Southeast, British Columbia, 76

- Facility Details

Facility Name *	MOE CAS1
NPRI ID	
BCGHG ID **	1234 (Assigned by British Columbia MOE)
NAICS Code *	212114
Physical Address	2795 Jutland Street British Columbia

SWIM Validation (continued)

There are 5 optional function buttons, i.e.

Save to SWIM,
Refresh from SWIM,
Validate
Save/Continue

Back

- Parent Company Information

- BC Govt

Legal Name *

Ownership Percentage *

Mailing Address

567 No.1 Highway West, British Columbia

BC Govt

100.00

99 Forever Boulevard British Columbia

Back

Save to SWIM

Refresh from SWIM

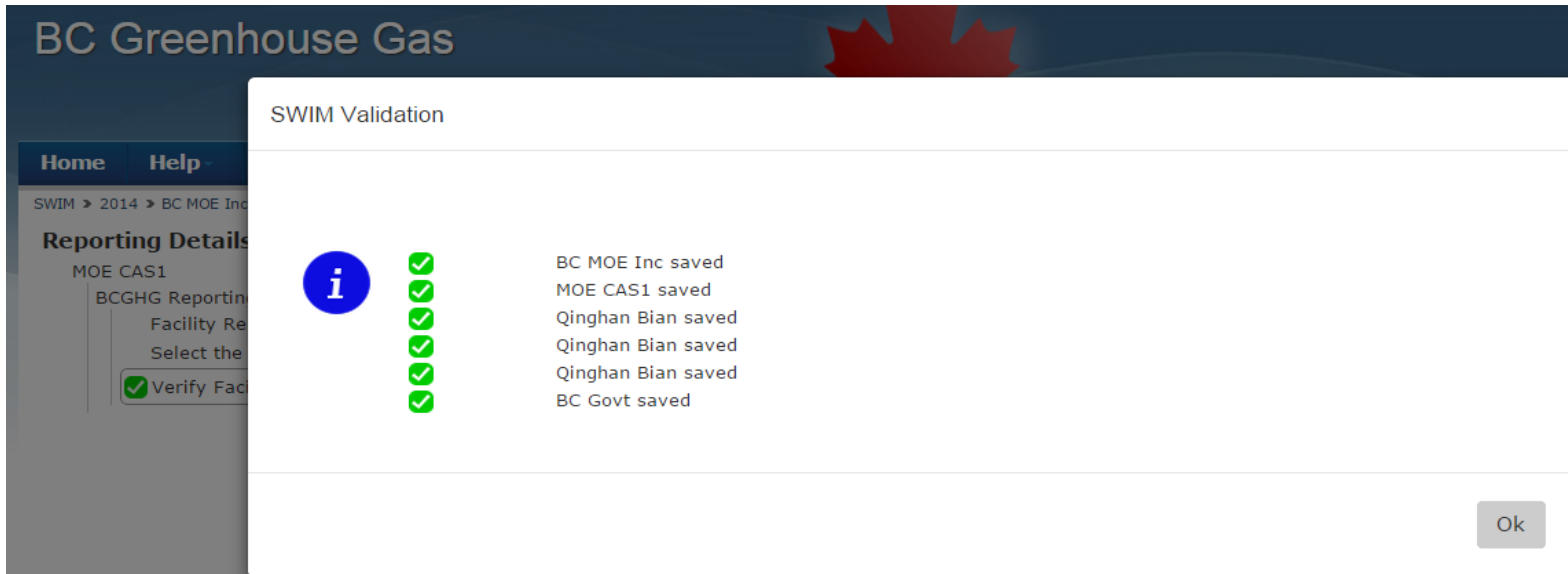
Validate

Save/Continue

SWIM Validation (continued)

-- If “**Always Save To SWIM on Commit**” is ticked, clicking “**Validate**” or “**Save/Continue**”, the screen below will display; however,

-- Clicking “**Save to SWIM**” will always display the screen



The screenshot shows the BC Greenhouse Gas reporting interface. A modal dialog titled "SWIM Validation" is displayed in the foreground. The dialog contains a blue information icon (i) on the left, followed by a vertical column of six green checkmarks. To the right of the checkmarks, the following items are listed:

- BC MOE Inc saved
- MOE CAS1 saved
- Qinghan Bian saved
- Qinghan Bian saved
- Qinghan Bian saved
- BC Govt saved

An "Ok" button is located at the bottom right of the dialog. The background shows the "Reporting Details" section of the application, including a breadcrumb trail: "SWIM > 2014 > BC MOE Inc".

For Linear Facility Operations

- Third-Party Line Hit emissions has been moved to Fugitive section from Venting section

This change **applies** to the following **activities**:

Oil & Gas Extraction and Processing:

- Onshore production

Natural Gas Transmission:

- LNG Import/Export Equipment
- NG Distribution
- Onshore NG Transmission Compression/Pipelines

Oil Transmission

CO2 Transportation

Third-Party Line Hits – to be consistent with Fed’s reporting structure

- (c) Fugitive

Onshore Petroleum and NG Production: gathering pipeline equipment leaks

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>				
<input type="checkbox"/>	CO2 nonbio	Select an option ▼	<input type="text"/>	
<input type="checkbox"/>	CH4	Select an option ▼	<input type="text"/>	

Onshore Petroleum and NG Production: production equipment leaks from valves, connectors, etc.

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>				
<input type="checkbox"/>	CO2 nonbio	Select an option ▼	<input type="text"/>	
<input type="checkbox"/>	CH4	Select an option ▼	<input type="text"/>	

Onshore Petroleum and NG Production: **third-party line hits**

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>				
<input type="checkbox"/>	CO2 nonbio	Select an option ▼	<input type="text"/>	
<input type="checkbox"/>	CH4	Select an option ▼	<input type="text"/>	

Onshore Petroleum and NG Production: other fugitive sources

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>				

Importing L_c Facility Reports

Able to import L_c Report facility list from previous year

- Importing a list of facilities from previous L_c Report facility lists
 - clicking the “**Import Facilities**” button, then pick & save
 - making things easier and efficient
- New l_c facility(ies) can also be added individually
- An existing facility can be removed from the list

Importing L_c Facility Names

Home Help My Profile: Qinghan Bian Logout Ec.gc.ca

SWIM > 2014 > BC MOE Inc > MOE CAS1 > Comments

Reporting Details

MOE CAS1

BCGHG Reporting Lead - All Facilities

Facility Reporting Options

Select the Facility Contacts

Verify Facility Information

Facility Activities

Activities

O/G Extraction and Processing

Non-attributable emissions

Captured CO2

Emissions Summary

Attachments

Comments

Confidentiality Request

Uploaded Documents

Comments

Report Progress: 1/7 Page Status: Incomplete

- This section is optional.

- Enter any comments you wish to include related to the information you have reported.
- Comments provided are **not** published.
- You may provide additional comments related to the reported GHG emissions data to better explain your information. (e.g. justification of any large changes in emissions from the previous year.)
- Enter your company or facility website if you wish to provide more information. (e.g. contextual information on environmental activities, etc.)

Website

Electricity Consumption (kWh)

Names of the facilities represented in this L_c report.

Empty

Import Facilities

Comments: (max 4000 characters)

You may also upload a document

File Name

Date



Back

Validate

Save/Continue



File Upload made mandatory

The change applies to the following activities:

- Aluminum or Alumina Production
- Cement Production
- Magnesium Manufacturing
- Electronics Manufacturing
- Ferroalloy Production
- Phosphoric Acid Manufacturing
- Coal Mining from Open Pit Mines
- Oil and Gas Extraction and Processing
- Natural Gas Transmission/Distribution or Storage
- Oil Transmission
- Carbon Dioxide Transportation

Mandatory Additional Reportable Information

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SWIM > 2014 > BC MOE Inc > MOE CAS1 > Ammonia Production * indicates a required field, ** indicates a conditionally required field

Reporting Details

MOE CAS1

- BCGHG Reporting Lead - All Facilities
 - Facility Reporting Options
 - Select the Facility Contacts
 - Verify Facility Information
 - Facility Activities
 - Select Table 2 Source Categories
- Activities
 - Ammonia Production
 - O/G Extraction and Processing
 - Non-attributable emissions
 - Captured CO2
 - Emissions Summary
- Attachments
 - Comments
 - Confidentiality Request
 - Uploaded Documents

Ammonia Production

Report Progress: 2/8 Page Status: Incomplete

- (a) Emissions from steam reformation or gasification of a hydrocarbon

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Select an option	<input type="text"/>	<input type="text"/>

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

Feedstock Details

Empty

- (b) Waste Recycle Stream

Values entered under Waste Recycle Stream are not included in any Emission Summaries or in the pre-population of a federal GHG report (if applicable).

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO2e)
<input type="checkbox"/>	CO2 nonbio	Select an option	<input type="text"/>	<input type="text"/>

Replacement/Alternative Methodology Description (Mandatory if Replacement Methodology or Alternative Parameter Measurement selected as a methodology above. Otherwise, not saved.) **

Carbon content of the waste recycle stream (kg C per kg of waste recycle stream) **

Volume of the waste recycle stream (Sm³) **

- Mandatory additional reportable information

Annual Urea Production (t) *

Back Validate Save/Continue

Mandatory Additional Reportable Information

Cement Production is now Mandatory

--without entering these mandatory data elements, the system will not save the changes with this activity, and will prompt you to do so

Cement Production Mandatory Additional Reportable Information

- December

Month

December

Production (t) *

Emission Factor (t CO₂/t clinker) *

Total Calcium content (weight fraction) *

Total Magnesium content (weight fraction) *

Non-calcined Calcium oxide content (weight fraction) *

Non-calcined Magnesium oxide content (weight fraction) *

Quantity of non-carbonate raw materials entering the kiln (tonnes) *

Quarterly Cement Kiln Dust (CKD) Information *

Quarter

Quantity not recycled back to kilns (t) *

Emission Factor (t CO₂/t CKD) *

Q1

Q2

Q3

Q4

Raw Material

Amount consumed (t) *

Organic carbon content (weight fraction) *

Information about missing data procedures

Number of times in the reporting year that missing data procedures were followed *

- Optional Information

Annual amount of cement production (tonnes)

All the fields indicated by an asterisk (*) are mandatory.

Related Links

1. Single Window Reporting System: <https://ec.ss.ec.gc.ca/>
2. Environment Canada **Single Window Reporting System User's Guide**: <http://ec.gc.ca/gu-sw/default.asp?lang=En&n=18E16F61-1>
3. BC Single Window Guidance webpage:
<http://www2.gov.bc.ca/gov/topic.page?id=7B486984E95C4667948041F3DFDC40FE>
4. BC Reporting Regulation Announcement webpage:
<http://www2.gov.bc.ca/gov/topic.page?id=E3CC48A549D047A0BA562CD63260F690>

One Window GHG Reporting system

System Update for 2014 reporting Cycle & Learnt Lessons

<https://ec.ss.ec.gc.ca/>

Questions ? Feedback

Contact

Qinghan Bian qinghan.bian@gov.bc.ca

250-356-5829

or

ghgreporting@gov.bc.ca



Thank You

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