

Single Window GHG Reporting system: BC overview for 2013 reporting cycle

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

1. SWIM / BCGHG overview and updates for the 2013 cycle
2. WCI methods updates for the 2013 cycle
3. Lessons-Learnt from GHG Reporting (Industry)

Feb 12, 2014



One Window GHG Reporting system: BC overview for 2013 reporting cycle

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

BC One Window Guidance webpage: (2013 documents coming soon)

<http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/guidance/>

BC One Window announcements webpage:

http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/one_window.html

2012 Facility GHG Emissions report summaries (get the BC Facility ID for your facility):

<http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/2012-emissions-reports-pdf.html>

Email: GHGReporting@gov.bc.ca



Single Window GHG Reporting system: BC overview for 2013 reporting cycle

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

1. SWIM / BCGHG overview and updates for the 2013 cycle
2. WCI methods updates for 2013 cycle
3. Lessons-Learnt from GHG Reporting (Industry)

Feb 12, 2014



Single Window: SWIM

- Left-hand menu is the same as last year:

[Home](#) [My Profile](#) [Redeem EC Key](#) [Request Access](#) [Organizations](#) [ec.gc.ca](#)

Home > BCTestOrg1 > TestFac01

Single Window Information Manager
Home
My Profile
Redeem EC Key
Request Access
Organizations
 BCTestOrg1
 Contacts
 Parent Organizations
 Manage Access
 Facilities
 TestFac01
 Identifiers
 Stacks
Guidance
Logout

Facility

Enter or update your information. To see all mandatory information for each program please refer to Guidance on the left menu.

* Required fields are marked with an asterisk (*).

* **Name** * **Ownership type**

If this is a portable facility, please check here

Latitude (N) (dd.mmmmm) **Longitude (E) (ddd.mmmmm)**

Universal Transverse Mercator (UTM)

Zone **East** **North**

Single Window: SWIM

- NAICS codes – easy to locate/update within a built-in hierarchy :

Facilities > Identifiers > NAICS code

The screenshot displays the 'Identifiers' page in the SWIM system. The breadcrumb trail is 'Home > BCTestOrg1 > TestFac01 > Identifiers'. The page title is 'Identifiers'. A note states: '* Required fields are marked with an asterisk (*).' There are three tabs: 'NAICS Code' (selected), 'Identifiers', and 'Permits'. The 'NAICS Code' tab contains a table with columns 'NAICS code', 'Code', and 'Description'. The table has three rows: 'Primary' with code '211113' and description 'Conventional Oil and Gas Extraction', 'Secondary', and 'Tertiary'. A 'Delete' button is visible below the table. A search box is present next to the code '211113'. A dropdown menu is open, showing a hierarchical tree of NAICS codes. The tree structure is as follows:

- NAICS Codes
 - 11 Agriculture, Forestry, Fishing and Hunting
 - 21 Mining, Quarrying, and Oil and Gas Extraction
 - 211 Oil and Gas Extraction
 - 2111 Oil and Gas Extraction
 - 21111 Oil and Gas Extraction
 - 211113 Conventional Oil and Gas Extraction (highlighted)
 - 211114 Non-Conventional Oil Extraction
 - 212 Mining and Quarrying (except Oil and Gas)
 - 213 Support Activities for Mining and Oil and Gas
 - 22 Utilities
 - 23 Construction
 - 31-33 Manufacturing
 - 41 Wholesale Trade
 - 44-45 Retail Trade
 - 48-49 Transportation and Warehousing
 - 51 Information and Cultural Industries
 - 52 Finance and Insurance
 - 53 Real Estate and Rental and Leasing

The left sidebar contains navigation options: Home, My Profile, Redeem EC Key, Request Access, Organizations (BCTestOrg1, Contacts, Parent Organizations, Manage Access, Facilities (TestFac01, Identifiers, Stacks)), Guidance, and Logout. The footer includes 'Terms and conditions | Transparency', 'About us', and 'News'.

Single Window: SWIM

- BC Facility ID (required for 2013 emissions report) :

[Facilities](#) > [Identifiers](#) > [Identifiers](#)

Home > BCTestOrg1 > TestFac01 > 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

National Pollutant Release Inventory Identifier	<input type="text" value="123456"/>
BC GHG ID	<input type="text" value="1233455678"/>
BC Oil & Gas Facility Code (Upstream Oil & Gas only)	<input type="text" value="77755"/>

Home
My Profile
Redeem EC Key
Request Access
Organizations
 BCTestOrg1
 Contacts
 Parent Organizations
 Manage Access
 Facilities
 TestFac01
 Identifiers
 Stacks

Single Window: SWIM

- Enter all applicable permits on this tab :

Facilities > Identifiers > Permits

Home > BCTestOrg1 > TestFac01 > Identifiers

Single Window Information Manager

Identifiers

* Required fields are marked with an asterisk (*).

NAICS Code Identifiers Permits

* Issuing Agency
* Permit Number

Add Permit

	Issuing Agency	Permit Number
<input type="checkbox"/>	BC EMA Act s.14	12312344

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Delete all selected

Single Window Information Manager

Home

My Profile

Redeem EC Key

Request Access

Organizations

BCTestOrg1

Contacts

Parent Organizations

Manage Access

Facilities

TestFac01

Identifiers

Stacks

Guidance

Single Window: SWIM

- Once you have appropriate access, BC GHG module will appear on the Home screen:

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

Home

Single Window Information Manager

Home

My Profile

Redeem EC Key

Request Access

Organizations

Guidance

Logout

Single Window Information Manager

Attention Internet Explorer 11 (IE11) users

A bug with the IE11 browser is affecting the display of some areas of SWIM (Single Window Information Manager). To fix this problem you need to manually change your compatibility view settings.

1. In IE11, click Tools, then Compatibility View Settings.
2. Add the SWIM website (<https://ec.ss.ec.gc.ca/>) to the Compatibility View Settings box.

This is a display issue only, be assured that your data is not affected.

Welcome Konstantin Zahariev, to Environment Canada's Single Window. The Information Manager provides a common portal to facilitate reporting of administrative information to multiple programs. For help using Single Window Information Manager (SWIM), please refer to Guidance on the left menu.

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.

Single Window: BCGHG

- Reporting Dashboard improvements:

Reporting Dashboard

Report(s)

Company List: TESTORG_CA-BC (20 facilities) | Year: 2013 | Report Category: Annual Report

Status	Facility Name	Report Type	Status	Actions
	▶ Test CA-BC Facility 5	L_c	Ready to Submit	
	▶ Test CA-BC Facility 4	IF_a	Submitted (01/30/2014 08:05:38)	
	▶ Test CA-BC Facility 18	EIO	Submitted (01/30/2014 08:04:28)	
Facility Address: 456 onetwothree Lane Southeast, Healtyn (British Columbia) Modified Date/Time: 01/30/2014 08:04:28				
	▶ Test CA-BC Facility 3	SFO	Submitted (01/30/2014 08:04:09)	
	▶ Test CA-BC Facility 1	SFO	Submitted (01/30/2014 08:03:46)	
	▶ Test CA-BC Facility 2	SFO	Submitted (01/30/2014 08:03:36)	
	▶ Test CA-BC Facility 19	LFO	(3/15)	
	▶ Test CA-BC Facility 6		New	

Custom Fuel List | Add New Report

Annotations: Blue arrows point to the status icons in the first column. Red circles highlight the search icon and the dropdown menu for row #3. A tooltip for row #3 shows: Update, Generate Report, Report Verification, History.

SW system: BC GHG

- Improved BCGHG report pages menu:

The screenshot shows a web application interface for BCGHG reporting. At the top, there is a navigation bar with links for Home, Help, My Profile:Konstantin Zahariev, and Logout. Below this is a breadcrumb trail: SWIM » 2013 » TESTORG_CA-BC (20 facilities) » Test CA-BC Facility 19 » Facility Reporting Options. A legend indicates that * indicates a required field and ** indicates a conditionally required field.

The main content is divided into two sections: Reporting Details and Facility Reporting Options.

Reporting Details

- BC GHG Reporting Dashboard
- BCGHG Reporting Lead - All Facilities
 - Facility Reporting Options
 - Select the Facility Contacts
 - Verify Facility Information
 - Facility Activities
 - Select Table 2 Source Categories
- Activities
 - General Stationary Combustion
 - Oil Transmission
 - Non-attributable emissions
 - Captured CO2
 - Emissions Summary
- Attachments
 - Process Flow Diagram
 - Comments
 - Confidentiality Request
 - Uploaded Documents

Facility Reporting Options

- Company**
 - TESTORG_CA-BC (20 facilities)
 - 5678 1203 ST Boulevard East, NS City (British Columbia)
- Facility**
 - Test CA-BC Facility 19
 - 123 Lane Southeast, City111617 (British Columbia)
- Options**
 - Facility Type *
 - LFO
 - Report Version **
 - Standard Report

At the bottom of the page, there are two buttons: Back and Save/Continue.

SW system: BC GHG

- Verify Facility Info :
 - Floating buttons bar
 - 'Save to SWIM' and 'Refresh from SWIM' ability

Home Help My Profile:Konstantin Zahariev Logout

SWIM » 2013 » TESTORG_CA-BC (20 facilities) » Test CA-BC Facility 19 » Verify Facility Information * indicates a required field, ** indicates a conditionally required field

Reporting Details

BC GHG Reporting Dashboard

BCGHG Reporting Lead - All Facilities

- Facility Reporting Options
- Select the Facility Contacts
- Verify Facility Information**
- Facility Activities
- Select Table 2 Source Categories

Activities

- General Stationary Combustion
- Oil Transmission
- Non-attributable emissions
- Captured CO2
- Emissions Summary

Attachments

- Process Flow Diagram
- Comments
- Confidentiality Request
- Uploaded Documents

SWIM Validation

Report Progress: 2/9 Page Status: Incomplete

Please verify the following information.

- Company Information

Legal Name * TESTORG_CA-BC (20 facilities)

English Trade Name TESTORG_CA-BC (20 facilities)

Business Number * 345678921

DUNS Number * 987654321

Mailing Address 6456 1234 Avenue Northwest, Quebec, 5

- Facility Details

Facility Name * Test CA-BC Facility 19

NPRI ID 12345

BCGHG ID **


NAICS Code * 237310


Back Save to SWIM Refresh from SWIM Validate Save/Continue

SW system: BC GHG


- Improved (and smarter) error messaging:

NAICS Code *

 • The facility physical address postal code provided does not fall within British Columbia. It should start with a "V".

Physical Address 

Geographical Address

 • Value for Latitude (N) must be between 48.00000 and 60.00000
• Value for Longitude (E) must be between -114.00000 and -134.00000

Latitude (N) (dd.mmmmm) **

Longitude (E) (ddd.mmmmm) **

- Operator Contact

SW system: BC GHG

- When entering fuel (and emissions) data:
 - Fuel units are explicit
 - “Smart” checks for required HHV and/or CC
 - Warning if HHV/CC outside expected range for that fuel

Natural Gas (Sm³)



- Weighted annual average CC (Carbon Content) of this fuel is required, based on your choice of fuel and calculation methodology for CO₂ emissions.

Fuel *

Natural Gas (Sm³)

Annual Fuel Amount *

111.12

Annual Weighted Average High Heating Value (GJ/unit fuel) **

35

Annual Weighted Average Carbon Content (weight fraction) **

Annual Steam Generation (kg) **

66

Emissions for Fuel

N/A	Gas	Methodology **	Emissions (t) **	Emissions (t CO ₂ e)
<input type="checkbox"/>				
<input type="checkbox"/>	CO ₂ nonbio	Methodology 3 (measured CC/\$)	5.5	5.5
<input type="checkbox"/>	CH ₄	Default HHV/EFc	5.5	115.5
<input type="checkbox"/>	N ₂ O	Measured HHV/EFc	2.2	682.0

SW system: BC GHG

- Sale, Close or Purchase Notice:
 - “Add” the facility to which the notice applies

Reporting Dashboard

Welcome to the British Columbia Greenhouse Gas reporting module. We have made some changes to the Reporting Dashboard. Click "Help" then "Toggle In-Context Help" for more information.

Report(s)

Company List: TESTORG_CA-BC (20 facilities) | Year: 2013 | Report Category: Sale, Close or Purchase Report

Status	Facility Name	Report Type	Status	Actions
	▸ Test CA-BC Facility 1		New	

Custom Fuel List

Add New Report

Version: 3.1.2

SW system: BC GHG

- Sale, Close or Purchase Notice:
 - Fill out all required information (incl. other company name and contact person if sale)

Home Help My Profile:Konstantin Zahariev Logout

SWIM » 2013 » TESTORG_CA-BC (20 facilities) » Test CA-BC Facility 1 * indicates a required field, ** indicates a conditionally required field

Reporting Details

BC GHG Reporting Dashboard

Activities

- Sale, Close or Purchase

Sale, Close or Purchase

Report Progress: 0/1 Page Status: Incomplete

- Company Information

Legal Name * TESTORG_CA-BC (20 facilities)

Address Line 1 6456 1234 Avenue Northwest, Light City (Quebec)

Notification type Sale

- Facility Details

Facility Name * Test CA-BC Facility 1

Physical Address 123 Lane Southeast, City111617 (British Columbia)

Effective Date for sale, closure or purchase *

- Notification Prepared By

Given Name * Konstantin Zahariev

Email Address * konstantin.zahariev@gov.bc.ca

Phone Number *

SW system: SWIM Info Manager (Secure Services)

- Subsequent Sale or Purchase Action in SWIM:

- “Delete” (if sold) or “Add” (if purchased) the relevant facility

- ‘Delete’ releases the facility to be claimed by others (if sold)
 - ‘Delete’ does not delete the facility data from the system database
 - ‘Add’ can be used to add an existing (released) facility (if purchased)
 - ‘Add’ for an existing facility links all its data to its new Org/Company

Single Window Information Manager

Home

My Profile

Redeem EC Key

Request Access

Organizations

TESTORG_CA-BC (20 facilities)

Contacts

Parent Organizations

Manage Access

Facilities

Guidance

Logout

Facilities

The table below contains all of the facilities that are linked to your organization. To add a facility click on the Add a New Facility button. To remove a facility from your list click on the Delete all selected button. To update any information related to a specific facility please click on the facility name. Note: Deleting a facility does not remove it from the database.

▲	Facility Name ▲	Address ▲	Coordinates ▲
<input checked="" type="checkbox"/>	Test CA-BC Facility 1	123 Lane, City111617, BC, X0X0X0	53.22222N, 53.22222E
<input type="checkbox"/>	Test CA-BC Facility 10	456 206 Avenue, Lukvile, BC, M6R 3Y8	87.05029N, 175.41240E
<input type="checkbox"/>	Test CA-BC Facility 11	74569 1236 AT Lane, City111617, BC, V1K 2L3	44.51668N, 76.41241E
<input type="checkbox"/>	Test CA-BC Facility 12	123 Lane, City111617, BC, X0X0X0	45.51667N, 75.41240E
<input type="checkbox"/>	Test CA-BC Facility 13	123 Lane, City111617, BC, X0X0X0	45.51667N, 75.41240E
<input type="checkbox"/>	Test CA-BC Facility 14	123 Lane, City111617, BC, X0X0X0	45.51667N, 75.41240E
<input type="checkbox"/>	Test CA-BC Facility 16	123 Lane, City111617, BC, X0X0X0	45.51667N, 75.41240E
<input type="checkbox"/>	Test CA-BC Facility 17	456 123 Quay, City111617, BC, X0X0X0	45.51667N, 75.41240E
<input type="checkbox"/>	Test CA-BC Facility 18	456 onetwothree Lane, Healtyn, BC, V2E 3G6	49.23450N, -125.41240E

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Delete all selected

Add a New Facility

SW system: BC GHG

- Additional info in Comments page:
 - Electricity Consumption (kWh)
 - List of facilities contained in L_c report

Comments

Report Progress: 6/6 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

www.com

Electricity Consumption (kWh)

23430

Names of the facilities represented in this L_c report.

Facility Name: *

West 01

West 02

West 03

Comments: (max 4000 characters)

test



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Web: <http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/amendedquantificationmethods.html>

Feb 12, 2014



WCI methods updates for 2013 reporting cycle

• Changes due to direct changes in Regulation for 2013 reporting

- NONE – the Reporting Regulation is the same, has not been updated for 2013

• Changes due to WCI quantification methods updates for 2013 reporting

- Some quantification methods were updated Dec. 2013 for 2013 reporting:
 - WCI.350 and WCI.360 methods were updated
 - other minor changes to various activities

• NOTE: Current WCI quantification methods documents, as applicable:

- WCI Essential Requirements for Mandatory Reporting – 2013 Addendum to Canadian Harmonization Version
- Final Essential Requirements for Mandatory Reporting – Amended for Canadian Harmonization (2012 Update)
- Final Essential Requirements for Mandatory Reporting – Amended for Canadian Harmonization (2011)

WCI methods updates for 2013 reporting cycle

Summary of Activities and applicable WCI documents (1 of 2)

WCI Essential Requirements for Mandatory Reporting – 2013 Addendum to Canadian Harmonization Version				Bolded Year:	Major update
Final Essential Requirements for Mandatory Reporting – Amended for Canadian Harmonization (2012 Update)				Green highlight:	Last complete copy
Final Essential Requirements for Mandatory Reporting – Amended for Canadian Harmonization (2011)					
2013	2012	2011	Attributable Activity		
	2012	2011	§ WCI.020 General Stationary Combustion		
		2011	§ WCI.030 Refinery Fuel Gas Combustion		
	2012	2011	§ WCI.040 Electricity Generation		
		2011	§ WCI.050 Adipic Acid Manufacturing		
		2011	§ WCI.060 Imported Electricity		
		2011	§ WCI.070 Primary Aluminum Production		
		2011	§ WCI.080 Ammonia Manufacturing		
2013	2012	2011	§ WCI.090 Cement Manufacturing		
		2011	§ WCI.100 Coal Storage		
		2011	§ WCI.110 Electronics Manufacturing		
		2011	§ WCI.120 HCFC-22 Production and HFC-23 Destruction		
2013		2011	§ WCI.130 Hydrogen Production		
		2011	§ WCI.140 Glass Production		
		2011	§ WCI.150 Iron and Steel Manufacturing		
2013	2012	2011	§ WCI.160 Lead Production		
		2011	§ WCI.170 Lime Manufacturing		
		2011	§ WCI.180 Carbonates Use		
		2011	§ WCI.200 Petroleum Refineries		

WCI methods updates for 2013 reporting cycle

Summary of Activities and applicable WCI documents (2 of 2)

WCI Essential Requirements for Mandatory Reporting – 2013 Addendum to Canadian Harmonization Version				Bolded Year:	Major update
Final Essential Requirements for Mandatory Reporting – Amended for Canadian Harmonization (2012 Update)				Green highlight:	Last complete copy
Final Essential Requirements for Mandatory Reporting – Amended for Canadian Harmonization (2011)					
2013	2012	2011	Attributable Activity		
	2012	2011	§ WCI.210 Pulp and Paper Manufacturing		
		2011	§ WCI.220 Soda Ash Manufacturing		
2013		2011	§ WCI.230 Electricity Transmission (and Emissions from Electr. Equip. in El. Generation)		
2013	2012	2011	§ WCI.240 Zinc Production		
		2011	§ WCI.250 Underground Coal Mines		
2013		2011	§ WCI.260 Nickel and Copper Metal Production		
		2011	§ WCI.270 Ferroalloy Production		
2013		2011	§ WCI.280 Mobile Equipment at Facilities		
		2011	§ WCI.290 Magnesium Production		
		2011	§ WCI.300 Petrochemical Manufacturing		
		2011	§ WCI.310 Nitric Acid Manufacturing		
2013		2011	§ WCI.340 Phosphoric Acid Production		
2013	2012	2011	§ WCI.350 Natural Gas Transmission and Distribution		
2013	2012	2011	§ WCI.360 Petroleum and Natural Gas Production and Natural Gas Processing		

WCI methods updates for 2013 reporting cycle

Non-Oil/Gas 2013 updates (examples):

32. **WCI.282(b) (Mobile Combustion)** is amended by changing “litres” to “kilolitres”
33. **WCI.132(b) (Hydrogen Production)** is amended by changing “litres” to “kilolitres”
34. **WCI.343(a) (Phosphoric Acid Production)** is amended by changing “carbonate” to “carbon”:
 - a. The C_f parameter definition is revised so that “carbonate” instead reads “carbon”
 - b. The 3.664 parameter definition is revised to append “from Carbon to CO₂” at the end of the existing definition
35. **WCI.090 (Cement Production)** is amended by accounting for the contribution of organic carbon component
 - a. In WCI.91, the word “natural” is replaced by “ordinary Portland”
36. **WCI.261 (Nickel and Copper Metal Production)** is amended by changing “three main processes” to “four main processes” and adding “as well as the SX-EW process” after “carbon electrodes in electric arc furnaces”

WCI methods updates for 2013 reporting cycle

Oil/Gas 2013 updates (WCI.350 and WCI.360): (1 of 2)

Substantive Oil and Gas Updates		
Section	Update	Rationale
353(a), 352(a.1) 363(a), 363(a.1) Tables 350-6, 360-6 High bleed pneumatic devices and pumps and 353(b.1), 363(b.1) Intermittent bleed devices	Incorporates results of BC pneumatic field study, makes metering optional and provides for more detailed equations which would allow for more accurate quantification if a facility has sufficient information. Allows manufacturer data to be used for compressor starters.	Results of the Prasino field study of 765 BC pneumatic devices and pumps have been incorporated. Results provide high quality emission factors based on statistically valid data and replace previous inaccurate emission factors. Addresses data gap for some compressor starters
363(c) Acid gas removal	Prioritizes quantification using outlet meter data, provides flexibility for differing H ₂ S content knowledge and clarifies calibration requirements for AGR inlet meters due to corrosivity of acid gas	Calculation using outlet gas volume removes approximate 6% high bias from inlet gas calculation.
353(c.1) and 363(g.1) Third-party line hits	Allows for use of method in development by the Canadian Energy Partnership for Environmental Innovation, quantification method for service tee drill or punch opening hits, and weighted average approach to be used for punctures. Corrects technical issues and modifies the delineation for use of the two quantification methods.	Existing third party line hit method was applicable to transmission and gathering systems, but not distribution systems. New method for distribution systems is in development and is incorporated by reference when complete.
353(e), 363(l) Centrifugal compressor venting and 353(f), 363(m) Reciprocating compressor venting	Clarifies the compressor's operational modes and ensures that all emissions from compressor modes are summed. Corrects overestimate for small centrifugal compressors using default emission factors.	Clarification, error correction and addresses potential safety issue.

WCI methods updates for 2013 reporting cycle

Oil/Gas 2013 updates (WCI.350 and WCI.360): (2 of 2)

363(h) Storage tanks	Allows for two additional quantification methods (including new California method) to be used given the inherent uncertainty of storage tank emissions quantification	Allows for use of correlation equation methods currently used by industry which are the same or better level of accuracy as existing methods – storage tank quantification is inherently uncertain unless flash test method is used.
363(o) Population count	Clarifies interaction of population count and leak detection methods	Allows for higher accuracy leak detection method to be used for facilities where not required.
357 and 367 Tables and Direction for use of Tables	Updates tables for results of BC pneumatic study and revised EPA factors and adds missing column. Clarifies language and ensures that industry updated emission factors are required only when they can be reasonably developed using existing leak detection data	Incorporates revised BC and EPA tables, adds missing data. Clarifies application when previously a significant burden could have been interpreted to be the intent of the clause.

NOTE: You could peruse the unofficial redline versions of WCI.350 and WCI.360

Current versions of quantification methods:

[WCI Essential Requirements for Mandatory Reporting – 2013 Addendum to Canadian Harmonization Version \(December 20, 2013\)](#) (PDF)

Unofficial redline version incorporating December 20, 2013 updates to [WCI.350](#) (PDF) and [WCI.360](#) (PDF)

Web: <http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/amendedquantificationmethods.html>

Single Window GHG Reporting system: BC overview for 2013 reporting cycle

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1. SWIM / BCGHG overview and updates for the 2013 cycle
2. WCI methods updates for 2013 cycle
3. Lessons-Learnt from GHG Reporting (Industry)

Feb 12, 2014



Lessons-Learnt from GHG Reporting (Industry)

• In SWIM:

- Please use consistent facility/company names
- Geographic coordinates need to be to 5 decimal places, not less, and within BC
- Please enter the facility BC Facility ID in SWIM before you get to your 2013 report (you can get it from 2012 published reports)
- Make sure you do not have multiple levels of access roles:
problems may occur as lower access interferes with higher level access
So leave only the highest level access role you need
And delete all concurrent lower access roles **you** have

The screenshot shows the 'Manage Access' page in the SWIM system. The navigation menu includes Home, My Profile, Redeem EC Key, Request Access, Organizations, and ec.gc.ca. The breadcrumb trail is Home > BCTestOrg1 > Manage Access. The main content area is titled 'Manage Access' and contains the following text: 'The table below contains all of the users that have access to your organization. To create program r use the Grant Access function. Users roles and permissions can be removed by selecting users and us'. Below this text is a 'Grant Access...' button. A table with two columns, 'User' and 'Role', lists the following data:

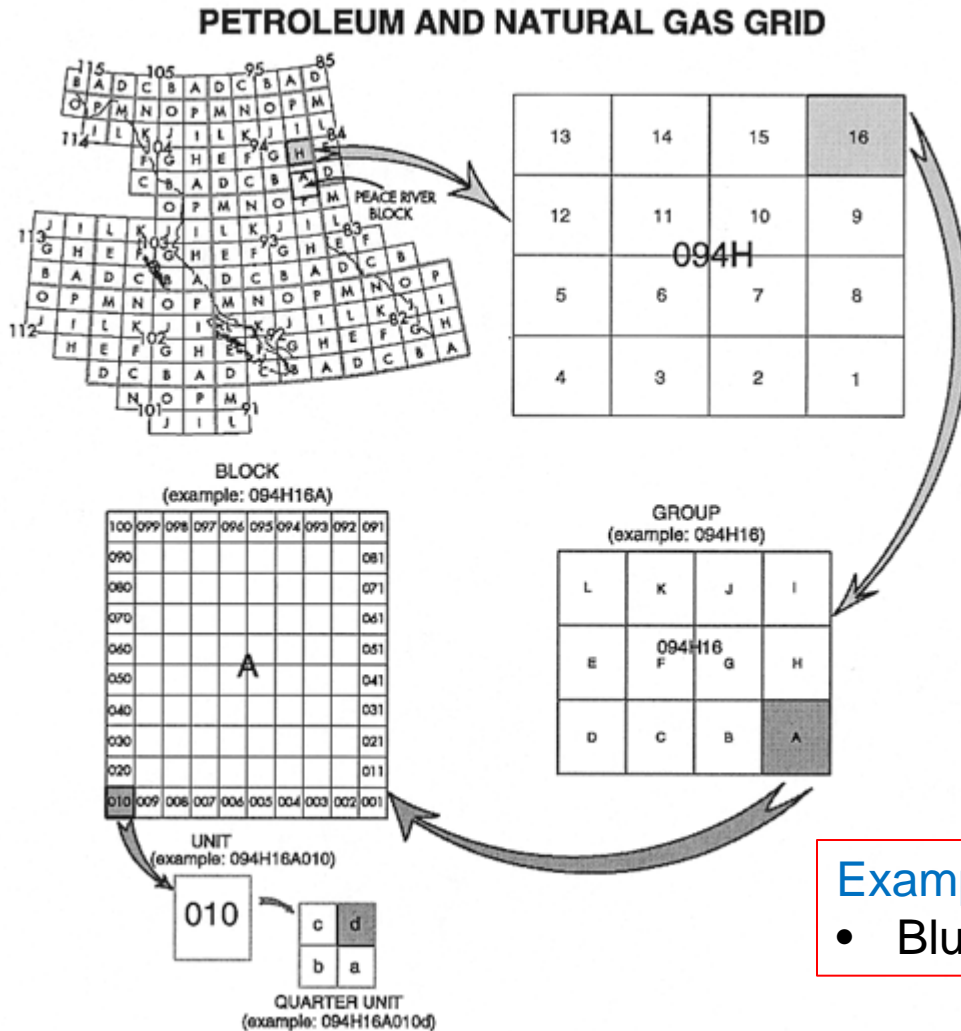
	User	Role
<input type="checkbox"/>	Konstantin Zahariev	BC Greenhouse Gas Reporting Lead - All Facilities
<input type="checkbox"/>	Konstantin Zahariev	Single Window Information Manager SWIM Organization Lead

Below the table is a pagination control: '<< ≤ Page 1 / 1 ≥ >>'. At the bottom of the page is a 'Delete all selected' button.

Lessons-Learnt from GHG Reporting (Industry)

- In SWIM

- Enter PNG grid coordinates as part of facility name where no physical address:



Example:

- Blueberry D-50-C/94-A-13

Lessons-Learnt from GHG Reporting (Industry)

• In SWIM/BCGHG:

- The Operation Representative has to be of appropriate seniority (it's a regulatory requirement)
- Enter their Position in SWIM > Contacts

"operation representative" means,

(a) in the case of a single operator of a reporting operation,

(i) if the operator of the reporting operation is an individual, the operator,

(ii) if the operator of the reporting operation is a corporation,

(A) a senior officer of the corporation, or

(B) the individual with primary responsibility for the operations and management of the reporting operation, or

Lessons-Learnt from GHG Reporting (Industry)

• In SWIM:

- Check that NAICS codes are correct and in the right order (Primary)

The screenshot displays the 'Identifiers' page in the SWIM system. On the left is a navigation menu with options like 'Home', 'My Profile', 'Redeem EC Key', 'Request Access', 'Organizations', and 'Facilities'. The 'Identifiers' page title is at the top, with a note: '* Required fields are marked with an asterisk (*).'. Below the title are three tabs: 'NAICS Code' (highlighted in yellow), 'Identifiers', and 'Permits'. A table lists NAICS codes with columns for 'NAICS code', 'Code', and 'Description'. The first row is marked 'Primary' and has code '211114' with a search icon. The second row is marked 'Secondary' and has code '486210' with a search icon. The third row is marked 'Tertiary' and has an empty code field with a search icon. At the bottom are two buttons: 'Delete all selected' and 'Save NAICS Code'. The 'Identifiers' menu item in the left sidebar is also highlighted in yellow.

	NAICS code	Code	Description
<input type="checkbox"/>	Primary	211114	Non-Conventional Oil Extraction
<input type="checkbox"/>	Secondary	486210	Pipeline Transportation of Natural Gas
	Tertiary	<input type="text"/>	

Lessons-Learnt from GHG Reporting (Industry)

• In BCGHG:


➤ Entering data

- Additional information required to be reported for each quantification method must be entered (e.g. CC, HHV, emissions by fuel type, amount of fuel consumption, etc.)
- Ensure mandatory additional reportable information (file upload) is provided

- Additional Reportable Information as per WCI.352(i)(1)-(12)

Volume of Natural Gas Throughput (BOE) **

File Name	Date
<input type="text"/>	<input type="text"/>



Version: 3.1.2

Lessons-Learnt from GHG Reporting (Industry)

- In BCGHG:

- Uploading files

- Please make sure uploaded files are not password-restricted or locked in any way
- If possible, avoid uploading pdf image files – readable pdf or the source Word file is preferred (easier to process contents)
- Only upload the Verification statement/report in the LFO (or SFO) report
no need to also upload copies to each IF_a, IF_b, L_c facility reports

Lessons-Learnt from GHG Reporting (Industry)

- In BCGHG:

- Facility report configuration within a LFO

- BCGHG uses non-overlapping domains for facility types/reports:

- Type IF_a means facility with emissions $E \geq 10,000$ tCO₂e

- Type IF_b means facility with emissions $1,000 \leq E < 10,000$ tCO₂e

- Type L_c means *aggregate* report for all facilities

- with emissions $E < 1,000$ tCO₂e

- This avoids (perception of) asking for duplicative information
(whereas Reporting Reg. S. 12(4)(c) refers to aggregate info for all
with emissions $E < 10,000$ tCO₂e)
- It also makes E checks more intuitive for all LFO-related reports:
$$E(\text{LFO}) = \text{sum}(E(\text{IF}_a)) + \text{sum}(E(\text{IF}_b)) + E(\text{L}_c)$$

One Window GHG Reporting system: BC overview for 2013 reporting cycle

QUESTIONS / FEEDBACK?

BC One Window Guidance webpage: (2013 documents coming soon)

<http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/guidance/>

BC One Window announcements webpage:

http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/one_window.html

2012 Facility GHG Emissions report summaries (get the BC Facility ID for your facility):

<http://www.env.gov.bc.ca/cas/mitigation/ggrcta/reporting-regulation/2012-emissions-reports-pdf.html>

Email: GHGReporting@gov.bc.ca

