



Reporting Regulation

*BC Greenhouse Gas Reduction
(Cap and Trade) Act*

BC Ministry of Environment

January 19, 2011



Agenda

1. Summary: 2010 reporting year
2. Reporting Regulation amendments for 2011 reporting year
3. WCI quantification method amendments

Unless otherwise stated, amendments are for the 2011 reporting year as submitted by March 31, 2012



Summary: 2010 Reporting Year

1. Emissions reports must be submitted by March 31, 2011
2. One window reporting (tentative Jan. 26 webinar)
3. Public disclosure of reported emissions (per s.29(1) of the regulation). Goal is prior to verification deadline.
4. Verification (with supplementary report) by Sept. 1, 2011
5. Supplementary reports

Review of 2010 Reports

1. Reports will be reviewed (desktop Q/A) for:
 - Completeness (fields, sources covered, admin details)
 - Use of proper quantification methods
 - Accuracy, bias and uncertainty
 - etc.
2. Ministry will ensure that all reporting operations have submitted reports:
 - Review of registrations, internal and external databases, review by regional staff, other agencies, etc
3. Draft audit and inspection strategy being prepared
4. Failure to report or report accurately (knowingly or not) is an offence under the Act

2011 Reporting Regulation Amendments

- Imported electricity
- Reporting-only emissions
- Alternative parameter measurement extension
- General regulatory updates and improvements
- Data to be reported
- Verification updates and improvements
- Above-ground coal mine fugitive emissions

Unless otherwise stated, amendments are for the 2011 reporting year as submitted by March 31, 2012

Reporting Timeline for 2011

January 1	BEGIN COMPILING EMISSIONS DATA FOR 2010 EMISSIONS REPORT START COLLECTING 2011 EMISSIONS DATA FOR 2012 SUBMISSION UPDATED WCI QUANTIFICATION METHODS MUST BE USED FOR 2011 REPORTING YEAR ENGAGE VERIFICATION BODY (IF REQUIRED)
By February 1	SUBMIT 2011 ALTERNATIVE PARAMETER MEASUREMENT REQUEST (IF NECESSARY)
By March 31	SUBMIT 2010 REPORT
TBD	PUBLICATION OF 2010 REPORTING YEAR EMISSIONS (pre-verification)
By September 1	SUBMIT SUPPLEMENTARY REPORT WITH VERIFICATION STATEMENT
TBD	REVISION OF PUBLISHED 2010 REPORTING YEAR EMISSIONS



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Raise your hand

No questions have been answered yet.



Imported Electricity

(S. 1, 3, 6, 9, 12, 13, 28 and Schedule D)

- **Electricity import operation** means the business of importing electricity at the time when it is delivered to the first point of delivery in British Columbia
- **Imported electricity means** electricity not generated in a jurisdiction with a cap and trade program approved by the minister, delivered from outside BC to a point of delivery in BC, including electricity imported under an exchange agreement or swap, but not including electricity that has a final point of delivery outside of BC.
- No threshold for reporting, 25kt for verification



**Yukon
Electrical
Company
excluded**
(85 customers
in Lower
Post First
Nation)

Imported Electricity

(S. 1, 3, 6, 9, 12, 13, 28 and Schedule D)

- Provisions are contained in sections 1, 3, 6, 9, 12, 13, 28 and Schedule D of the revised regulation.
- Methodologies to quantify emissions and report contents are set out in Schedule D
- Electricity import operations must register by March 31, 2011
- Historical data does not need to be submitted
- Single facility operations and linear facilities operations do not include imported electricity emissions in their emissions reports.



Reporting-Only Emissions

(S.1 definitions, s. 17, 19, 25)


- “Reporting-only emissions” means carbon dioxide from biomass listed in Schedule C and greenhouse gas emissions from source types listed in items 2 (mobile equipment) and 25 (above ground coal mine fugitive emissions) of Table 1 of Schedule A
- Reporting threshold applies, excluded from verification threshold
- Excluded from quantitative materiality threshold (s. 25)
- Differing supplementary report threshold applies
- List will be added to



Alternative Parameter Measurement

(s. 13 (5.1-8))


- ✓ Alternative parameter measurement allowed into the future where a quantification method is new or substantially modified
- ✓ **Parameter** means a physical property that is measured for the purposes of quantifying emissions.
- ✓ Same criteria, process and forms as last year
- ✓ A successful application can be extended to other reporting operations in an industry (or broader, as applicable)
- ✓ **Applications must be submitted to the Director by February 1, 2011 at ghgreporting@gov.bc.ca.**



General Regulatory Updates -1

(throughout regulation)

- Improvements in language for clarity (e.g. trade name vs. legal name vs. name)
- "Alternative methodologies" changed to read "replacement methodologies"
- Handling of terminals/storage tanks is clarified.
- Addition of red liquor to Schedule C biomass list
- Update of quantification method references to incorporate new and revised WCI quantification methods



General Regulatory Updates -2

(throughout regulation)

- S. 14 - Added constraints on changes between methods to ensure that changes improve emissions estimates
- S. 17 – Minor emission changes excluded from triggering supplementary reports
 - non-reporting only (the lesser of 1% or 1000 tonnes)
 - reporting-only (the lesser of 3% or 3000 tonnes)
- Above-ground coal mine fugitive emissions a reporting-only attributable activity
 - quantification method is choice of the reporting operation

Data to be Reported

(s. 12)

- Addition of Income Tax Act business number and DUNS and Bradstreet Number to report contents section
- Starting with 2012 reporting year, a process flow diagram must be provided with the report.
- The map of linear facilities operations has been removed.
- Disaggregation of detail to be reported for carbon dioxide transfer added



Verification

- Clarify oversight of verification bodies
- Verifier independence
- Clarification of site visit requirements for linear facilities operations
- Verification statement contents



Potential Further Amendments

- Further reporting-only sources
- Transfer of carbon dioxide
- Schedule C-biomass
- Operator and operator's representative
- Verification specifics
- Compliance and enforcement amendments



WCI Canadian Harmonization

- WCI Essential Requirements of Mandatory Reporting amended for use in Canada
 - Harmonized with WCI U.S. quantification methods which themselves are harmonized with those of the U.S. EPA
 - Majority of outstanding quantification methods finalized
 - Addition of upstream oil and gas, and natural gas transmission and distribution methods
 - Required to be used for the 2011 reporting year in B.C.



One Window Agreement

- Agreement signed by B.C. and Environment Canada
 - In late stages of system build and testing
 - Further details: webinar tentatively scheduled for January 26

RESOURCES



Ministry of Environment

Reporting Regulation – Greenhouse Gas Reduction (Cap and Trade) Act

Reporting Regulation | [Reporting Operations](#) | [Verification](#) | [Questions & Answers](#) | [Regulatory Amendment](#) | [One-Window Reporting](#) | [Amended Quantification Methods](#)

Reporting Regulation

- [Introduction](#)
- [Key Reporting Requirements](#)
- [Presentations](#)
- [Consultation History](#)
- [Forms](#)

Introduction

The [Reporting Regulation](#), under authority of the *Greenhouse Gas Reduction (Cap and Trade) Act*, was approved by Order of the Lieutenant Governor in Council on November 25, 2009.

The regulation sets out the requirements for the reporting of greenhouse gas emissions from B.C. facilities emitting 10,000 tonnes or more of carbon dioxide equivalent emissions per year beginning on January 1, 2010. Those reporting operations with emissions of 25,000 tonnes or greater are required to have emissions reports verified by a third party.

Accurate emissions data of consistent quality is essential to the development and implementation of a cap and trade program. This data also supports an ongoing provincial emissions inventory and will contribute to the development, implementation and evaluation of climate action policies.

Provisions of the regulation address:

- Greenhouse gases and sources subject to reporting;
- Reporting and verification thresholds and associated requirements;
- [Definitions](#) of "single facility operation" and "linear facilities operation" that are subject to reporting requirements;
- Activities (associated, for example, with industrial production, manufacturing,

Cap and Trade

→ [About Cap and Trade](#)

→ [Greenhouse Gas Reduction \(Cap and Trade\) Act](#)

→ [Reporting Regulation](#)

→ [Proposed Offsets Regulation Consultation](#)

→ [Proposed Emissions Trading Regulation Consultation](#)

→ [December 3 Webinar: Emissions Trading and Offsets consultation papers.](#)

→ [Mailing List](#)

What's New?

- » [Reporting Regulation Amendment](#)
- » [One-Window Reporting](#)
- » [Amended WCI Quantification Methods for 2011](#)



Need more information....

Dennis Paradine, Dennis.Paradine@gov.bc.ca or 250-387-0732

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



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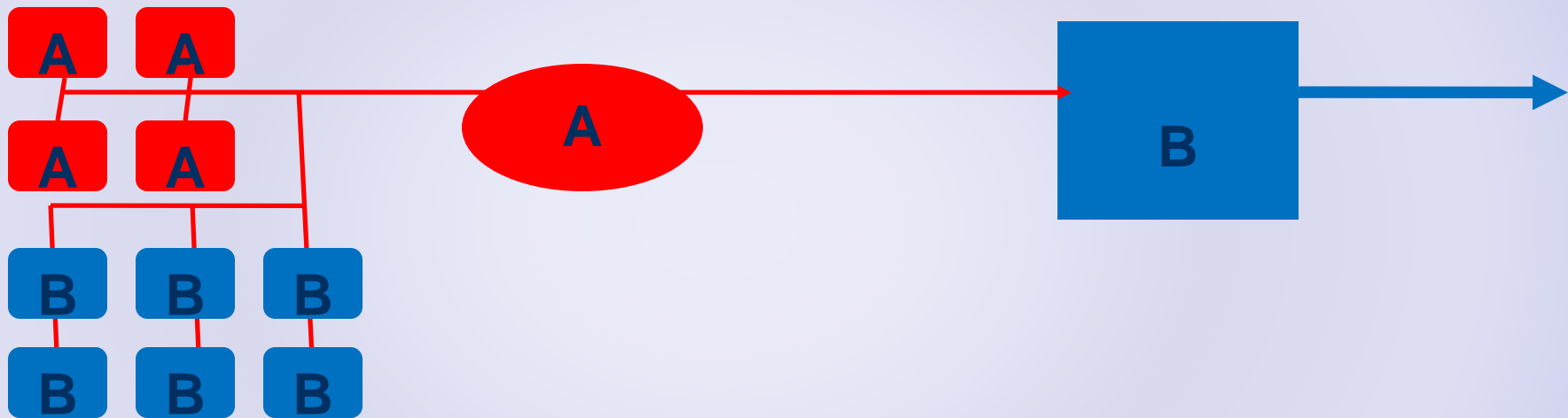
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Raise your hand

No questions have been answered yet.

Linear Facilities Operation Aggregation



- Operation A would assess against thresholds and report for their four wells, gathering lines and small processing plant
- Operation B would assess against thresholds and report their six wells, major processing plant and transmission pipeline

Example: Cement Plant

Reporting Operation

CEMENT PLANT

Activity

Stationary combustion

Mobile equipment

Cement production

Coal storage



Source Type

Combustion at a stationary device

Combustion by mobile equipment

Process emissions from kilns

Fugitive emissions from coal piles



GHG Type

- Non-biomass CO₂
- Biomass CO₂
- CH₄
- N₂O

- Non-biomass CO₂
- Biomass CO₂
- CH₄
- N₂O

Non-biomass CO₂

CH₄