

iii. by replacing “year 2023” in the definition of factor “ $P_{R,2023,j}$ ” by “the most recent year, prior to 2024, for which the sampling rate of fixed process emissions attributable to type of activity j at the establishment is equal to or greater than 90%”;

(b) in equation 19-14

i. by replacing “year 2023” in the definition of factor “ $GHG_{FP,eu,2023}$ ” by “the most recent year, prior to 2024, for which the sampling rate is equal to or greater than 90%”;

ii. by replacing “year 2023” in the definition of factor “ $P_{R,eu,2023j}$ ” by “the most recent year, prior to 2024, for which the sampling rate of fixed process emissions attributable to copper anode production at the establishment is equal to or greater than 90%”;

(c) in equation 19-15

i. by replacing “year 2023” in the definition of factor “ $A_{recycl,2023}$ ” by “the most recent year, prior to 2024, for which the sampling rate is equal to or greater than 90%”;

ii. by replacing “year 2023” in the definition of factor “ $P_{R,RSM,2023}$ ” by “the most recent year, prior to 2024, for which the sampling rate of GHG emissions attributable to the carbon content of recycled secondary materials used in the process is equal to or greater than 90%”;

(d) in equation 19-16

i. by replacing “year 2023” in the definition of factor “ $GHG_{FP,2023,j}$ ” by “the most recent year, prior to 2024, for which the sampling rate is equal to or greater than 90%”;

ii. by replacing “year 2023” in the definition of factor “ $P_{R,2023,j}$ ” by “the most recent year, prior to 2024, for which the sampling rate of fixed process emissions attributable to type of activity j at the establishment is equal to or greater than 90%”;

(e) in equation 19-18

i. by replacing “year 2023” in the definition of factor “ $GHG_{C,2023,RSM}$ ” by “the most recent year, prior to 2024, for which the sampling rate is equal to or greater than 90%”;

ii. by replacing “year 2023” in the definition of factor “ $P_{R,RSM,2023}$ ” by “the most recent year, prior to 2024, for which the sampling rate of GHG combustion emissions attributable to the treatment of recycled secondary materials is equal to or greater than 90%”.

2. This Regulation comes into force on 1 January 2024.

106470

Draft Regulation

Environment Quality Act
(chapter Q-2)

Mandatory reporting of certain emissions of contaminants into the atmosphere —Amendment

Notice is hereby given, in accordance with sections 10 and 11 of the Regulations Act (chapter R-18.1), that the Regulation to amend the Regulation respecting mandatory reporting of certain emissions of contaminants into the atmosphere, appearing below, may be made by the Minister of the Environment, the Fight Against Climate Change, Wildlife and Parks on the expiry of 45 days following this publication.

The draft regulation provides for mandatory reporting for operators whose enterprises, facilities or establishments engage in greenhouse gas emissions capture, storage, re-use or elimination, or receive greenhouse gas emissions transfers from other operators’ enterprises, facilities or establishments. Consequently, the Regulation also provides for improved reporting as regards captured, stored, eliminated, re-used or transferred emissions.

In addition, the draft Regulation clarifies protocol QC.1 as regards biomethane reporting and amends protocol QC.16 mainly to include the total energy consumed as part of greenhouse gas reporting requirements.

Lastly, the draft Regulation makes minor adjustments to Tables 1-1, 1-3, 29-1 and 29-6 and updates Table 17-1 concerning default greenhouse gas emission factors for Canadian provinces and certain North American markets.

Further information on the draft Regulation may be obtained by contacting Olivier Lacroix, engineer, Direction des inventaires et de la gestion des halocarbures, Ministère de l’Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs; telephone: 418-521-3868, extension 4542; email: olivier.lacroix@environnement.gouv.qc.ca.

Any person wishing to comment on the draft Regulation is requested to submit written comments within the 45-day period to Vicky Leblond, Director, Direction des inventaires et de la gestion des halocarbures, Ministère de l’Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs, édifice Marie-Guyart, 675, boulevard René-Lévesque Est, 5^e étage, boîte 30, Québec (Québec) G1R 5V7; email: vicky.leblond@environnement.gouv.qc.ca.

BENOIT CHARETTE

*Minister of the Environment, the Fight Against
Climate Change, Wildlife and Parks*

Regulation to amend the Regulation respecting mandatory reporting of certain emissions of contaminants into the atmosphere

Environment Quality Act
(chapter Q-2, ss. 2.2 and 46.2).

1. The Regulation respecting mandatory reporting of certain emissions of contaminants into the atmosphere (chapter Q-2, r. 15) is amended in the first paragraph of section 1 by inserting “It also applies to all operators whose enterprise, facility or establishment engages in capture, storage, re-use or elimination of any of the contaminants listed in Schedule A.1 or receives transfers of any of those contaminants from another operator’s enterprise, facility or establishment” at the end.

2. Section 2 is amended by inserting “, as well as certain other situations in which they are subject to the reporting requirements” after “determines the thresholds over which enterprises, facilities or establishments are required to report their emissions in relation to the contaminants associated with those phenomena”.

3. The following is inserted after section 6.1.1:

“6.1.2. Any person or municipality that is not referred to in section 6.1 or 6.1.1 and that operates an enterprise, a facility or an establishment that, during a calendar year, engaged in the capture, storage, re-use or elimination of any of the greenhouse gas emissions listed in Schedule A.1, or received transfers of any of those emissions from other operators’ enterprises, facilities or establishments is required to report its emissions for that calendar year to the Minister in accordance with this section.

The fifth, sixth and seventh paragraphs of section 6.1 apply to emitters referred to in this section with the necessary modifications.

6.1.3. Emitters referred to in this section that operate an enterprise, a facility or an establishment that transfers greenhouse gas emissions listed in Schedule A.1 to an enterprise, facility or establishment of another operator that is subject to the requirement to report its emissions must provide that operator with all the data required for the report for the period concerned.

All emitters referred to in section 6.1.2 and those emitters referred to in sections 6.1 and 6.1.1 that operate an enterprise, a facility or an establishment that engages in one of the activities listed in the first paragraph of section 6.1.2 must, upon ceasing those activities, notify the Minister as soon as possible.”

4. Section 6.2 is amended

(1) by replacing “6.1 or 6.1.1” in the first paragraph by “6.1., 6.1.1 or 6.1.2”;

(2) by inserting “, and specify, in the case of CO₂ emissions, whether they are attributable to the combustion or use of biomass or biomass fuels” at the end of subparagraph 5 of the first paragraph;

(3) by inserting the following subparagraph after subparagraph 5 of the first paragraph:

“(5.1) the total quantity of emissions of each greenhouse gas transferred from another establishment and the quantity of emissions generated by this operation, in metric tons, along with the contact information of the original site for each of those emissions and specify, in the case of CO₂ emissions, whether they are attributable to the combustion or use of biomass or biomass fuels;”;

(4) by inserting the following subparagraphs after subparagraph iii of subparagraph *b* of subparagraph 8 of the first paragraph:

“(b.1) the total quantity of emissions captured, stored, re-used, eliminated or transferred out of the establishment for each greenhouse gas and the quantity of emissions generated by each operation, in metric tons, while specifying the emissions type from those listed below, along with the contact information of each operating or transfer site and, in the case of CO₂ emissions, whether they are attributable to the combustion or use of biomass or biomass fuels:

i. the annual fixed process CO₂ emissions, in metric tons;

ii the annual greenhouse gas combustion emissions, in metric tons CO₂ equivalent;

iii. the annual other category greenhouse gas emissions, in metric tons CO₂ equivalent;

(b.2) the total quantity of emissions of each greenhouse gas transferred from another establishment and the quantity of emissions generated by this operation, in metric tons, while specifying the emissions type from those listed below, along with the contact information of the original site for each emission and, in the case of CO₂ emissions, whether they are attributable to the combustion or use of biomass or biomass fuels:

i. the annual fixed process CO₂ emissions, in metric tons;

ii. the annual greenhouse gas combustion emissions, in metric tons CO₂ equivalent;

iii. the annual other category greenhouse gas emissions, in metric tons CO₂ equivalent;”.

5. Section 6.4 is amended by replacing “6.1 or 6.1.1” in the first paragraph by “6.1, 6.1.1 or 6.1.2”.

6. Section 6.9 is amended by inserting the following paragraphs after paragraph 7:

“(7.0.1) the total quantity of greenhouse gas emissions referred to in Schedule A.1 that have been captured, stored, re-used, eliminated or transferred out of the establishment, for each type of emissions, namely

- i. the annual fixed process CO₂ emissions, in metric tons;
- ii. the annual greenhouse gas combustion emissions, in metric tons CO₂ equivalent;
- iii. the annual other category greenhouse gas emissions, in metric tons CO₂ equivalent;

(7.0.2) the total quantity of greenhouse gas emissions referred to in Schedule A.1 that have been transferred from another establishment for each type of emissions, namely

- i. the annual fixed process CO₂ emissions, in metric tons;
- ii. the annual greenhouse gas combustion emissions, in metric tons CO₂ equivalent;
- iii. the annual other category greenhouse gas emissions, in metric tons CO₂ equivalent; ».

7. Section 9 is amended by inserting “6.1.2,” after “section 6.1, 6.1.1,”.

8. Section 9.4 is amended by inserting “6.1.2,” after “section 6.1, 6.1.1,”.

9. Schedule A.2 is amended

(1) in protocol QC.1

(a) by inserting “or biomethane” after “natural gas” in paragraph 2 of QC.1.3.2 of QC.1.3;

(b) in QC.1.5

i. by inserting “and biomethane” at the end of paragraph 2 of the first paragraph of QC.1.5.1;

ii. by inserting “and biomethane” after “natural gas” in subparagraph a of equation 1-17 of QC.1.5.4;

iii. by inserting “, biomethane” after “natural gas” in subparagraph a of subparagraph 3 of the second paragraph of QC.1.5.5;

(c) in QC.1.7

i. in Table 1-1

a. by inserting the following line after the line “Natural gas” under Gaseous fuels:

“

Biomethane	38.32
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”
”

b. by replacing the line “Landfill gas (methane portion)” under Gaseous fuels by the following line:

“

Landfill gas (methane portion)	37.03
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”
”

c. by replacing the line “Biogas (methane portion)” under Gaseous fuels by the following line:

“

Biogas (methane portion)	37.03
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”
”

ii. in Table 1-3

a. by replacing the line “Landfill gas (methane portion)” under Gaseous fuels and biofuels by the following line:

“

Landfill gas (methane portion)	1.830	49.41	0.095	2.566	0.019	0.513
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”
”

b. by replacing the line “Biogas (methane portion)” under Gaseous fuels and biofuels by the following line:

“

Biogas (methane portion)	1.830	49.41	0.095	2.566	0.019	0.513
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”
”

iii. by inserting “and biomethane” at the end of the title of Table 1-4;

iv. by inserting “and biomethane” after “natural gas” in the title of Table 1-7;

(2) in protocol QC.16

(a) by inserting the following paragraph at the end of the first paragraph of QC.16.2;

“(19) the total energy consumed, in gigajoules, calculated using the following equation:

$$Q_{QC.16_consumed} = \sum_{k=0}^n HHV_{a,k} Fuel_k .$$

Where

$Q_{QC.16_consumed}$ = the total quantity of energy consumed annually to generate steam, in gigajoules;

n = Number of fuels consumed;

k = Fuels;

Fuel_k = Mass or volume of the fuel k combusted annually, expressed

— in bone dry metric tons, when the quantity is expressed as a mass;

— in thousands of cubic metres at standard conditions, when the quantity is expressed as a volume of gas;

— in kilolitres, when the quantity is expressed as a volume of liquid;

— in metric tons collected, in the case of municipal solid waste;

HHV_{a,k} = Average annual high heat value using equation 1-16 and determined from data provided by the fuel supplier or measurements made by the emitter for the measurement period specified in accordance with QC.1.5.4, for each type of fuel, expressed

— in gigajoules per bone dry metric ton, in the case of a fuel whose quantity is expressed as a mass;

— in gigajoules per thousand cubic metres, in the case of a fuel whose quantity is expressed as a volume of gas;

— in gigajoules per kilolitre, in the case of a fuel whose quantity is expressed as a volume of liquid.”;

(b) by inserting the following subparagraph at the end of paragraph 1 of QC.16.3.2 of QC.16.3:

“(c) for other fuels listed in Table 1-2, in accordance with QC.1.3.1, QC.1.3.2 or QC.1.3.3.”;

(3) by replacing Table 17-1 of QC.17.4 in protocol QC.17 by the following:

“Table 17-1. Default greenhouse gas emission factors for Canadian provinces and certain North American markets, in metric tons CO₂ equivalent per megawatt-hour

Canadian provinces and North American markets	Default emission factor (metric ton GHG/MWh)
Newfoundland and Labrador	0.016
Nova Scotia	0.664
New Brunswick	0.292
Québec	0.001
Ontario	0.028
Manitoba	0.002
Vermont	0.005
New England Independent System Operator (NE-ISO), including all or part of the following states: - Connecticut - Massachusetts - Maine - Rhode Island - Vermont - New Hampshire	0.266
New York Independent System Operator (NY-ISO)	0.227
Pennsylvania Jersey Maryland Interconnection Regional Transmission Organization (PJM-RTO), including all or part of the following states: - North Carolina - Delaware - Indiana - Illinois - Kentucky - Maryland - Michigan - New Jersey - Ohio - Pennsylvania - Tennessee - Virginia - West Virginia - District of Columbia	0.439

Midwest Independent Transmission System Operator (MISO-RTO), including all or part of the following states: <ul style="list-style-type: none"> - Arkansas - North Dakota - South Dakota - Minnesota - Iowa - Missouri - Wisconsin - Illinois - Michigan - Indiana - Montana - Kentucky - Texas - Louisiana - Mississippi - Manitoba 	0.484
Southwest Power Pool (SPP), including all or part of the following states: <ul style="list-style-type: none"> - Kansas - Oklahoma - Colorado - Nebraska - New Mexico - Texas - Louisiana - Missouri - Arkansas - Iowa - Minnesota - Montana - North Dakota - South Dakota - Wyoming 	0.478

99,
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(4) in protocol QC.29

(a) by replacing the line “Component type” in Table 29-1 of QC.29.6 by the following line:

“

Component type	Components not in detection survey	Components in detection survey
	Naturas gas (metric tons/hour)	Naturas gas (metric tons/hour)

”

(b) in Table 29-6 of QC.29.6

i. by replacing the line “Generic Piston Pump” under Pumps by the following line:

“

Generic Piston Pump	0.5917	0.0005	0.000027	0.0091	-
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”

ii. by replacing the line “Generic Diaphragm Pump” under Pumps by the following line:

“

Generic Diaphragm Pump	1.0542	0.00202	0.000059	0.0167	-
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”

10. This Regulation comes into force on 1 January 2024.

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