

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 and the Fight Against Climate Change on the expiry of 45 days following this publication.

The draft Regulation to amend the Regulation respecting mandatory reporting of certain emissions of contaminants into the atmosphere makes minor adjustments to the information to be provided in the emissions report.

The draft Regulation updates the tables concerning greenhouse gases and their global warming potential, emission factors according to the type of fuel, default greenhouse gas emission factors for Canadian provinces and certain North American markets, and fuel emission factors.

The draft Regulation also makes consequential amendments to harmonize the Regulation with the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1).

It strikes out the requirement for reporting emissions related to the importation of electricity produced in the territory of partner entities or of Canadian provinces or territories subject to carbon pricing.

It also provides for a reporting requirement for emitters registered for the cap-and-trade system for greenhouse gas emission allowances on the basis of a demonstration of achieving or exceeding the threshold provided for in the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances.

Lastly, the draft Regulation makes adjustments to the monetary administrative penalties and penal penalties to take into account the amendments made to the remainder of the Regulation.

Study of the matter shows no considerable cost associated with the amendments proposed by the draft Regulation.

Further information concerning the draft Regulation may be obtained by contacting Vicky Leblond, Direction générale de la réglementation carbone et des données d'émission, Ministère de l'Environnement et de la Lutte contre les changements climatiques; telephone: 418 521-3868, extension 4386; fax: 418 646-0001; email: vicky.leblond@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 France Delisle, Director General, Direction générale de la réglementation carbone et des données d'émission, Ministère de l'Environnement et de la Lutte contre les changements climatiques, édifice Marie-Guyart, 675, boulevard René-Lévesque Est, 5^e étage, boîte 30, Québec (Québec) G1R 5V7; email: france.delisle@environnement.gouv.qc.ca.

BENOIT CHARETTE,
*Minister of the Environment and
the Fight Against Climate Change*

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, 46.2, 115.27, 115.34 and 124.1)

1. The Regulation respecting mandatory reporting of certain emissions of contaminants into the atmosphere (chapter Q-2, r. 15) is amended in section 3 by inserting the following after subparagraph 3 of the second paragraph:

“(4) “valued emissions” means CO₂ emissions used as input in a chemical manufacturing process whose carbon is chemically bound with the product.”.

2. Section 6.1 is amended by inserting “, except electricity produced in the territory of a partner entity referred to in Appendix B.1 to the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1) or a province or territory of Canada,” after “purchases electricity produced outside Québec” in the second paragraph.

3. The following is inserted after section 6.1:

“**6.1.1** An emitter referred to in subparagraph 3 of the second paragraph of section 2 of the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1) who is registered in accordance with section 7 of that Regulation must report emissions to the Minister in accordance with this Division

as long as the emissions are not under the reporting threshold provided for in the first paragraph of section 6.1 for 4 consecutive years, even if the establishment ceases its activities.”.

4. Section 6.2 is amended

(1) by inserting “or 6.1.1” after “referred to in section 6.1” in the first paragraph;

(2) by inserting “, except electricity produced in the territory of a partner entity referred to in Appendix B.1 to the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1) or a province or territory of Canada,” after “purchases electricity produced outside Québec” in subparagraph 2.2 of the first paragraph;

(3) by replacing subparagraph 2.3 of the first paragraph by the following:

“(2.3) for establishments in the sectors referred to in Appendix A to the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1), the total quantity of the emitter’s greenhouse gas emissions in metric tons CO₂ equivalent, excluding

(a) emissions captured, stored or re-used on the site of the establishment;

(b) CO₂ emissions transferred out of the establishment to be re-used;

(c) emissions referred to in the second paragraph of section 6.6;

(d) emissions calculated in accordance with protocols QC.17 and QC.30 of Schedule A.2.”.

5. Section 6.4 is amended by inserting “or 6.1.1” after “referred to in section 6.1” in the portion before paragraph 1.

6. Section 6.6 is amended by inserting “or section 6.1.1” after “referred to in the first or second paragraph of section 6.1” in the fourth paragraph.

7. Section 6.7 is amended

(1) by inserting “or section 6.1.1” after “referred to in the first paragraph of section 6.1” in subparagraph 1 of the first paragraph;

(2) by inserting “or, in the case of emissions reported according to protocol QC.17 or QC.30 of Schedule A.2, emissions referred to in subparagraph 2.1 or 2.2 of that

paragraph, as the case may be” after “and referred to in subparagraph 2.3 of the first paragraph of section 6.2” in the definition of factor “TER” in the equation in subparagraph 1 of the first paragraph.

8. Section 6.8 is amended by inserting “or section 6.1.1” after “referred to in the first paragraph of section 6.1” in subparagraph 2 of the first paragraph.

9. Section 6.9 is amended

(1) by replacing subparagraph 7 of the first paragraph by the following:

“(7) the total quantity of greenhouse gas emissions referred to in Schedule A.1, in metric tons CO₂ equivalent, excluding

(a) emissions that have been captured, stored or re-used on the site of the establishment;

(b) CO₂ emissions that have been transferred out of the establishment to be re-used;

(c) emissions referred to in the second paragraph of section 6.6;

(d) emissions calculated in accordance with protocols QC.17 and QC.30 of Schedule A.2.”;

(2) by inserting “, except electricity produced in the territory of a partner entity referred to in Appendix B.1 to the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1) or a province or territory of Canada,” after “the acquisition by the emitter of electricity produced outside Québec” in subparagraph 7.4 of the first paragraph.

10. Section 9 is amended by inserting “6.1.1,” after “or section 6.1,”.

11. Section 9.4 is amended by inserting “6.1,1,” after “or section 6.1,” in the first paragraph.

12. Schedule A.1 is amended by replacing the table by the following:

“

Greenhouse gas - identification	CAS(1)	Global warming potential (GWP)
Carbon dioxide (CO ₂)	124-38-9	1
Methane (CH ₄)	74-82-8	25
Nitrous oxide (N ₂ O)	10024-97-2	298

Greenhouse gas - identification	CAS(1)	Global warming potential (GWP)
Sulphur hexafluoride (SF ₆)	2551-62-4	22 800
Hydrofluorocarbons (HFCs)		
HFC-23 (CHF ₃)	75-46-7	14 800
HFC-32 (CH ₂ F ₂)	75-10-5	675
HFC-41 (CH ₃ F)	593-53-3	92
HFC-43-10mee (C ₅ H ₂ F ₁₀)	138495-42-8	1 640
HFC-125 (C ₂ HF ₅)	354-33-6	3 500
HFC-134 (CHF ₂ CHF ₂)	359-35-3	1 100
HFC-134a (CH ₂ FCF ₃)	811-97-2	1 430
HFC-143 (CHF ₂ CH ₂ F)	430-66-0	353
HFC-143a (CF ₃ CH ₃)	420-46-2	4 470
HFC-152 (CH ₂ FCH ₂ F)	624-72-6	53
HFC-152a (CH ₃ CHF ₂)	75-37-6	124
HFC-161 (C ₂ H ₅ F)	353-36-6	12
HFC-227ea (C ₃ HF ₇)	431-89-0	3 220
HFC-236cb (C ₃ H ₂ F ₆)	677-56-5	1 340
HFC-236ea (C ₃ H ₂ F ₆)	431-63-0	1 370
HFC-236fa (C ₃ H ₂ F ₆)	690-39-1	9 810
HFC-245ca (C ₃ H ₃ F ₃)	679-86-7	693
HFC-245fa (C ₃ H ₃ F ₃)	460-73-1	1 030
HFC-365mfc (C ₄ H ₅ F ₅)	406-58-6	794
Perfluorocarbons (PFCs)		
Perfluoromethane (CF ₄)	75-73-0	7 390
Perfluoroethane (C ₂ F ₆)	76-16-4	12 200
Perfluoropropane (C ₃ F ₈)	76-19-7	8 830
Perfluorobutane (C ₄ F ₁₀)	355-25-9	8 860
Perfluorocyclobutane (c-C ₄ F ₈)	115-25-3	10 300
Perfluoropentane (C ₅ F ₁₂)	678-26-2	9 160
Perfluorohexane (C ₆ F ₁₄)	355-42-0	9 300
Perfluorodecalin (C ₁₀ F ₁₈)	306-94-5	7 500
Perfluorocyclopropane (c-C ₃ F ₆)	931-91-9	17 340
Nitrogen trifluoride (NF ₃)	7783-54-2	17 200

(1) The numbers entered in respect of the contaminants listed in this Schedule correspond to the identification code assigned by the Chemical Abstract Services division of the American Chemical Society.”;

13. Schedule A.2 is amended

(1) in protocol QC.1, in Table 1-3 of QC.1.7:

(a) by replacing the line “Ethanol (100%)” under Liquid fuels and biofuels by the following:

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Ethanol (100%)	1.519	64.9	2.7	N/A	0.05	N/A
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”;

(b) by replacing the line “Biodiesel (100%)” under Liquid fuels and biofuels by the following:

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Biodiesel (100%)	2.497	70	0.133	N/A	0.4	N/A
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(2) in protocol QC.17:

(a) by inserting “, except electricity produced in the territory of a partner entity referred to in Appendix B.1 to the Regulation respecting a cap-and-trade system for greenhouse gas emission allowances (chapter Q-2, r. 46.1) or a province or territory of Canada,” after “purchases electricity produced outside Québec” in the first paragraph of QC.17.1;

(b) in QC.17.2:

i. by striking out “to Environment Canada under section 71 of the Canadian Environmental Protection Act (1999) (1999, c.33),” in subparagraph *c* of subparagraph 1 of the first paragraph;

ii. by striking out “the National Pollutant Release Inventory of Environment Canada,” in subparagraph *i* of subparagraph *c* of subparagraph 1 of the first paragraph;

iii. by striking out “province or” in subparagraphs *i* to *iii* of subparagraph *e* of subparagraph 1 of the first paragraph;

(c) in QC.17.3:

i. by striking out “Environment Canada under section 71 of the Canadian Environmental Protection Act (1999) (S.C. 1999, c. 33),” in subparagraph 1 of the first paragraph of QC.17.3.1;

ii. by replacing “21” and “310” wherever they appear in equation 17-2.1 by “25” and “298”, respectively;

iii. by striking out “province or” in the definition of factor “EF_b” in equation 17-3;

(d) by replacing Table 17-1 of QC.17.4 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	0.026
Nova Scotia	0.724
New Brunswick	0.282
Québec	0.001
Ontario	0.030
Manitoba	0.001
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	0.259
New York Independent System Operator (NY-ISO)	0.211
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	0.491

Canadian provinces and North American markets	Default emission factor (metric ton GHG/MWh)
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Midwest Independent Transmission System Operator (MISO-RTO), including all or part of the following states:

- Arkansas
- North Dakota
- South Dakota
- Minnesota
- Iowa
- Missouri
- Wisconsin
- Illinois
- Michigan
- Indiana
- Montana
- Kentucky
- Texas
- Louisiana
- Mississippi
- Manitoba

0.537

Southwest Power Pool (SPP), including all or part of the following states:

- Kansas
- Oklahoma
- Nebraska
- New Mexico
- Texas
- Louisiana
- Missouri
- Arkansas
- Iowa
- Minnesota
- Montana
- North Dakota
- South Dakota
- Wyoming

0.54

”;

(3) in protocol QC.30, by replacing Table 30-1 of QC.30.6 by the following:

“Table 30-1. Fuel emission factors, in CO₂ equivalent (QC.30.3)

Liquid fuels	Emission factor (metric tons CO ₂ equivalent per kilolitre)
Automotive gasolines	2.371
Diesels	2.995

Liquid fuels	Emission factor (metric tons CO₂ equivalent per kilolitre)
Kerosene	2.543
Light oils (0, 1 and 2)	2.734
Heavy oils (4, 5 and 6)	3.146
Propane	1.543
Butane	1.763
Liquefied natural gas	1.178
Liquefied petroleum coke	3.837
Ethanol (100%)*	0.082
Biodiesel (100%)*	0.123
Gaseous fuels	Emission factor (metric tons CO₂ equivalent per thousand cubic metres)
Natural gas	1.889
Compressed natural gas	1.923
Biomethane*	0.011
Distillation gas (refinery)	1.757
Solid fuels	Emission factor (metric tons CO₂ equivalent per metric ton)
Coal coke	2.487
Petroleum coke	3.454
Coal	2.397

* Emission factor excluding CO₂ emissions.”.

14. This Regulation comes into force on 1 January 2021.

104632

Draft Regulation

An Act respecting occupational health and safety
(chapter S-2.1)

Health and safety in forest development work — 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 health and safety in forest development work, appearing below, may be made by the Commission des normes, de l'équité, de la santé et de la sécurité du travail and submitted to

the Government for approval, in accordance with section 224 of the Act respecting occupational health and safety (chapter S-2.1), on the expiry of 45 days following this publication.

The draft Regulation sets rules and standards concerning in particular some first aid equipment, the minimum age to use a chain saw, and individual protective equipment. Therefore, it is intended to ensure the health, safety and physical integrity of workers while taking into account the new standards and the new protective equipment available on the market, as well the practices developed by enterprises in the forestry sector.

To date, study of the matter shows no significant impact on enterprises, in particular for enterprises in the forestry sector.

Further information may be obtained by contacting Christian Fortin, Commission des normes, de l'équité, de la santé et de la sécurité du travail, 524, rue Bourdages, local 250, Québec (Québec) G1K 7E2; telephone: 418 266-4699, extension 2015; fax: 418 266-4698.

Any person wishing to comment on the matter is requested to submit written comments within the 45-day period to Luc Castonguay, Vice-President, Prevention, Commission des normes, de l'équité, de la santé et de la sécurité du travail, 524, rue Bourdages, local 220, Québec (Québec) G1K 7E2.

MANUELLE OUDAR,
*Chair of the board of directors and
Chief Executive Officer of the
Commission des normes, de l'équité,
de la santé et de la sécurité du travail*

Regulation to amend the Regulation respecting health and safety in forest development work

An Act respecting occupational health and safety
(chapter S-2.1, s. 223, 1st par., subpars. 7, 9, 11, 19
and 42, and 2nd and 3rd pars.)

An Act respecting industrial accidents
and occupational diseases
(chapter A-3.001, s. 454, 1st par., subpar. 4)

1. The Regulation respecting health and safety in the forest development work (chapter S-2.1, r. 12.1) is amended in section 8

(1) by inserting “one head immobilizer,” in paragraph 2 after “straps,”;