

Greenhouse Gas Industrial Reporting and Control Act (GGIRCA) Bulletin 027

Reporting of emissions from the combustion of black liquor

Greenhouse Gas Emission Reporting Regulation (GGERR)

Overview

This bulletin notifies reporting operations and verification bodies of an inconsistency introduced by the 2012 Amendments to Western Climate Initiative .20 (WCI.20) General Stationary Combustion and WCI.210 Pulp and Paper Manufacturing respecting emission factors for black liquor and provides guidance on which emission factors must be used.

Black liquor is a general term, representing the terms spent liquor, spent pulping liquor, spent liquor solids, kraft pulping liquor, pulping liquor or spent/pulping liquor used in WCI.

Equation 210-1, the default emission factor for CO₂, CH₄ and N₂O from Table 210-2 should not be used. The default emission factors listed in Table 20-1 and Table 20-2 should be used instead.

Industrial operators and verification bodies should ensure they understand the requirements and provide notice of concerns or issues to the Industrial Reporting and Control Team at GHGRegulator@gov.bc.ca.

Use of updated emission factors in WCI.20 is required

The 2012 Amendments intended to clarify in WCI.20, WCI.40 and WCI.210 where to report black liquor emissions and require use of updated emission factors. Updated emission factors were incorporated for black liquor in WCI. Table 20-1 and Table 20-2. However, emission factors listed in WCI. Table 210-2 were not updated.

Reporting operations and verification bodies are advised that for use of WCI. Equation 210-1, the default emission factor for CO₂, CH₄ and N₂O from Table 210-2 should not be used. The default emission factors listed in Table 20-1 and Table 20-2 should be used instead.

For ease of reference:

Table 1: Emission factors for combustion of black liquor as listed in WCI.20

Fuel	CO ₂ (kg/GJ)	CH ₄ (kg/GJ)	N ₂ O (kg/GJ)
Black liquor	91.8	0.0029	0.0019

Applicability

Emission reports for the 2023 reporting period and onward must comply with this requirement, unless site-specific information is available.

Regulation is determinative

The above is not legal advice and is provided as an aid in understanding the Regulation. Operators are responsible for reviewing the Regulation to ensure compliance with it.