CleanBC Industrial Incentive Program  
*Chemical Sector Guidance*

This guidance applies to reporting operations with primary NAICS codes as follows:

- NAICS – 325189: All Other Basic Inorganic Chemical Manufacturing

**Sub-Sector: Hydrogen Peroxide Production**  
**CIIP Product: Chemicals - hydrogen peroxide**

In addition to this guidance document, to assist in calculating inputs for the CleanBC Industrial Incentive Program (CIIP) application process, the Ministry provides a spreadsheet with the appropriate calculation formulas built in (available via e-mail and webpage).

*Quantification and Reporting of Emissions and Related Information*

Unless explicitly stated otherwise in the CIIP guidance, quantification and reporting of greenhouse gas emissions and related information under CIIP must comply with the *Greenhouse Gas Industrial Reporting and Control Act* (GGIRCA) and the *Greenhouse Gas Emission Reporting Regulation* (GGERR), including with the referenced in GGERR Western Climate Initiative (WCI) quantification methodologies.

The [WCI methodologies](#) typically applicable to hydrogen peroxide-producing reporting operations include, but may not be limited to, the following:

- WCI.020 General Stationary Combustion  
- WCI.130 Hydrogen Production  
- WCI.280 Mobile Equipment at Facilities

Emissions associated with purchased electricity consumed at the reporting operation must not be included in the emissions total for CIIP purposes.

\[
E_{CIIP} = E_{Onsite}
\]

where \(E_{Onsite}\) is the reporting operation’s emissions total as required to be reported under GGIRCA and submitted in the Single Window Reporting System.
Quantification of Production

Hydrogen Peroxide production includes all hydrogen peroxide produced during the reporting year, regardless of whether it is sold during the year or added to inventory. It does not include hydrogen peroxide sold from a previous year’s production.

All produced hydrogen peroxide in concentrations less than 100% must be converted for CIIP purposes into pure (100%) hydrogen peroxide, by multiplying the mass of hydrogen peroxide produced by the concentration fraction:

$$P_{HP}^{100\%} = P_{HP} \times %_{Concentration}$$

**EXAMPLE:** If 10 tonnes of 70% hydrogen peroxide is produced, multiply the mass (10 tonnes) by the concentration fraction (0.70) to determine the mass of pure hydrogen peroxide (7 tonnes).

Emission Intensity

For the purposes of CIIP, the Emission Intensity will be calculated as:

$$EI_{HP} = \frac{E_{CIIP}}{P_{HP}^{100\%}}$$