ENVIRONMENTAL PROTECTION NOTICE

Application for a Permit Under The Provisions of the *Environmental Management Act*

We, FortisBC Energy Inc. (16705 Fraser Highway, Surrey, BC), intend to submit this application to the Director to authorize the discharge of air emissions from a compressor station planned as a part the Eagle Mountain-Woodfibre Gas Pipeline (EGP) at the Woodfibre LNG site. The sources of air discharge emissions are two (2) turbines, two (2) boilers, and one (1) backup generator.

The land upon which the facility will be situated, and the discharge will occur is PID 015-822-061, District Lot 5899 Group 1 New Westminster District (except part in reference plan 5238), located at the Woodfibre LNG production facility site, within the District of Squamish.

The maximum rate of air emissions discharged from this facility will be 31.832 m^3/s. This is comprised of air discharge points related to the compressor units, backup generator, and boiler related emissions. The characteristics of the air emissions for contaminants of concern are as follows:

SO2	372 kg/year
NOX	14,835 kg/year
CO	14,996 kg/year
PM	2,753 kg/year
VOC	8,383 kg/year

The turbines are equipped with SoLoNOx pollution control technology. It also utilizes a Dry Seal and Process Gas Recompression System to mitigate fugitive methane emissions. The backup emergency generator is equipped with non-selective 3-ways catalyst system for pollution reduction and will be maintained and operated in accordance with manufacturer specifications to ensure efficient combustion and minimized emissions.

The application materials may be accessed at the FortisBC Talking Energy website at Eagle Mountain-Woodfibre Gas Pipeline Project | Talking Energy as well as at the Squamish Library. Any person who may be adversely affected by the proposed air emission discharge and wishes to provide relevant information may, within 30 days after the last date of posting, publishing, service, or display, send written comments to the applicant, with a copy to the Director, Environmental Stewardship, at the BC Energy Regulator, 6534 100th Avenue, Fort St. John, B.C, V1J 8C5, Waste.Management@bc-er.ca. The identity of any respondents and the contents of anything submitted in relation to this application will become part of the public record.

(Signature)

Dated this 26th day of August 2026.

Contact person: Community Relations Manager

Email address: egp@fortisbc.com

Phone: 1-855-380-5784

Determination of Emissions

Attachment to the ENVIRONMENTAL PROTECTION NOTICE
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Per the *Application Instruction Document*, the BCER requested that the discharge rates and mass emissions provided in the EPN be correlated back to the *Part 3 Discharge Details Form* in a stand-alone attachment. This document provides the calculation to determine discharge rates based on *Part 3 Discharge Details*.

Total annual facility emissions are calculated as follows: Maximum hourly emission rates for each source are provided in Item 6. Characteristics of waste of *Part 3 Discharge Details*. Annual hours of operation for each source are provided in Item 4. Operating period. Annal emissions are calculated using the following formula:

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annual emissions (kg/year) =
     maximum hourly emissions (g/s) x hours of operation (h/year)
     x 3600 (seconds/hour) / 1000 (g/kg)                    (Equation 1)
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Emission rates and total facility emissions are provided in Table 1.

Maximum facility discharge rate is calculated by adding maximum discharge rates for each source provided in Item 3. Quantity of waste discharged of *Part 3 Discharge Details*. See Table 2.

Stack gas exit velocity provided in Item 5. Discharge works of *Part 3 Discharge Details*, is calculated based on the maximum rate of waste discharge provided in Item 3. Quantity of waste discharged of *Part 3 Discharge Details*, and Stack inside diameter provided in Item 5. Discharge works of *Part 3 Discharge Details* for each source. Note that the maximum rate of waste discharge is provided at normal conditions (20 °C). Stack gas velocity is calculated using the following formula:

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stack gas exit velocity (m/s) =
   maximum rate of discharge (m3/s @ 20 °C) / [π (stack inside diameter)² / 4]
    x (273.15 + stack gas discharge temp (°C) / (273.15 + 20°C)     (Equation 2)
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These are summarized in Table 2.

Table 1: Facility Emission Rates

Discharge Source	Description	Maximum hourly Emissions (g/s)					Operating Period	Annual Emissions (kg/year)				
		SO_2	NO_X	CO	TP	VOCs	hours/year	SO_2	NO_X	CO	TP	VOCs
Discharge Source #1A	Compressor Turbine (Unit 1)	0.009	0.379	0.386	0.0707	0.220	8760	306	11,952	12,173	2,230	6,938
Discharge Source #1B	Compressor Turbine (Unit 1)	0.009	0.379	0.386	0.0707	0.220	1752	61.2	2,390	2,435	445.9	1,388
Discharge Source #2	Boiler	0.0001	0.0066	0.0093	0.0014	0.001	8760	2.37	156.1	220.0	33.11	23.65
Discharge Source #3	Generator	0.00008	0.1067	0.053	0.01414	0.01067	876	2.53	336	168.1	44.6	33.6
							Total Facility Annual Emissions	**372**	**14,835**	**14,996**	**2,753**	**8,383**

Table 2: Other Discharge Parameters

Discharge Source	Description	Stack Inside Diameter (m)	Stack Gas Discharge Temperature (°C)	Stack Gas Exit Velocity (m/s)	Maximum Rate of Waste Discharge (m^3/s) @ 20 °C
Discharge Source #1A	Compressor Turbine (Unit 1)	1.156	511	39.6	15.54
Discharge Source #1B	Compressor Turbine (Unit 1)	1.156	511	39.6	15.54
Discharge Source #2	Boiler	0.152	68	11.7	0.182
Discharge Source #3	Generator	0.254	602	33.6	0.570
				Maximum Facility total Discharge Rate @ 20 °C	**31.832**

For detailed manufacturer information see *Part 3 Discharge Details Form.*