

ENVIRONMENTAL PROTECTION NOTICE

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

We, Arbios Biotech Canada Limited Partnership (Arbios) intend to submit this application to the Director to authorize the discharge of air emissions from a commercial scale demonstration bio-hydrocarbon facility. The Arbios facility will produce renewable bio-oils with a low-carbon footprint, using the breakthrough Cat-HTR™ technology. The Arbios renewable bio-oils will be used to create high-value, sustainable products, including advanced biofuels from low-value biomass residues. Utilizing this first of its kind low carbon intensity technology in Prince George to process renewable biomass represents a significant opportunity to reduce our reliance on fossil fuels for transportation.

The source(s) of discharge are biomass dryers, a biomass handling system, a vapour combustor, natural gas boilers, and a vacuum column heater.

The land upon which the facility will be situated, and the discharge will occur, is **Parcel B (98037M) of District Lot 2061, Cariboo District, except Plans 16574, 33603 and BCP23480**, located at **2233 Prince George Pulpmill Rd**, Prince George, within the Prince George Airshed.

The maximum rate of air emissions discharged from this facility will be as follows:

Arbios Air Permit Application	Flow	PM	SO ₂	NO _x	PM	SO ₂	NO _x
	m ³ /min	mg/m ³	mg/m ³	mg/m ³	t/y	t/y	t/y
Biomass Dryer 1	1800	15	0	0	14.2	0	0
Biomass Dryer 2	1800	15	0	0	14.2	0	0
Baghouse Air Collection System	460	20	0	0	4.8	0	0
Vapor Combustor (Normal Conditions)	405	0	22.2	83	0.0	4.7	17.7
Combined Supercritical Water Boiler 1	53.6	7.3	0.7	472.7	0.2	0.0	13.3
Combined Supercritical Water Boiler 2	53.6	7.3	0.7	472.7	0.2	0.0	13.3
Combined Supercritical Water Boiler 3	53.6	7.3	0.7	472.7	0.2	0.0	13.3
Combined Supercritical Water Boiler 4	53.6	7.3	0.7	472.7	0.2	0.0	13.3
Vacuum Column Heater	9.2	7.1	0.4	71.4	0.0	0.0	0.3

The operating period for this facility will be continuous.

Any person who may be adversely affected by the proposed discharge of waste 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 Regional Director, Industrial Waste Authorizations, ENV

Industrial.Waste.Authorizations@gov.bc.ca. Please include "Permit Application 111155" in the subject line. Further information is available at the Arbios website at www.arbiosbiotech.com or via the contact shown below. The identity

of any respondents and the contents of anything submitted in relation to this application will become part of the public record.

Dated this 2nd day of June, 2023.

A handwritten signature in black ink, appearing to read 'IAN ROSE', with a long horizontal flourish extending to the right.

IAN ROSE, General Manager Operations, Arbios Biotech

Contact person: Ian Rose

Email address: info@arbiosbiotech.com

Postal address: Arbios Biotech, PO Box 21130, Prince George RPO Spruceland, BC, V2M 7A5