

ENVIRONMENTAL PROTECTION NOTICE

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

I, Mr. Dan Stoffman, Director, Facilities & Integration, for Petronas Energy Canada Ltd., (#1600, 215, 2nd St SW, Calgary, AB, T2P 1M4), intend to submit this application for permit amendment to the Environmental Stewardship Group, at the British Columbia Energy Regulator to authorize the discharge of the air emissions from an existing compressor station. The sources of updated air emissions are:

- Two Caterpillar G3608 TAW Compressor Engines (1767-kW each, 1 existing, 1 future),
- Two Cummins GTA855E Generator Engines (191-kW each & updated, 2 existing – 1 acting as back-up only),
- One Mitsubishi S6R-Y2PTAW-1 Generator Engine (600 kW, rental, intermittent, water plant use only),
- Two Propak Glycol Regenerators for dehydration (200-kW each, existing),
- One emergency high pressure flare (with purge gas),
- One continuous low pressure flare (with pilot and purge gas)
- Other equipment including still column vent tank, flash tanks, H₂S scavenger package, condensate tanks, and produced water tanks.

The land upon which the facility is situated and the discharge occurs is a-40-K/94-G-7, located at (surface location NAD 83) Latitude 57° 26' 36.7" North; and Longitude 122° 52' 3.0" West; located within the Buckingham field, approximately 190 km northwest of Fort St. John (driving distances).

The total volume of gas through-put processed by this facility will remain unchanged at 1,416,000 m³/day (16.39 m³/s. This amendment covers only the increase of licensed H₂S of this facility from 0 ppm to 99ppm. The addition of a sales H₂S scavenger package will reduce the amount of H₂S combusted in the flare. An update of generator engines from 215-kW to 191-kW each, will also be required. The update of generator increased the continuous air emissions discharged by 0.137 g/s NO_x, 0.270 g/s CO, and 0.003 g/s VOC. The change in facility licensed H₂S will increase the air emissions by 0.318 g/s SO₂ during maintenance and emergency facility blow-down (for approximately 30 minutes each blowdown, 3 times per year), and by 0.0023 g/s of SO₂ during normal operation. The fuel gas will remain sweet (0.0% H₂S) during the normal operation. The operating period for this facility is 24 hours/day, 7 days/week with one week of shut down for turn around each year.

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 Environmental Stewardship Group, British Columbia Energy Regulator at 6534 100 Ave., Fort St. John, B.C., V1J 8C5, or email 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.

Dated this 19 day of August, 2024.



(Signature)

Contact person: Dan Stoffman, Director, Facilities & Integration Telephone No.: (403) 539-1648