

GENERAL ORDER 2021-0115-02
Amendment 2
Section 49 *Oil and Gas Activities Act*

Issued to:

Pacific Northern Gas Ltd.
750-888 Dunsmuir Street
Vancouver, BC V6C 3K4

Attention: Chad Fournier, Director Asset Management and Project Delivery

Order:

Pursuant to section 49(7) of the *Oil and Gas Activities Act* (the Act), I, Dax Bourke, amend General Order 2021-0115-02 issued on December 2, 2022, (the Order), to Pacific Northern Gas Ltd. (PNG) by deleting items 4-8 and replacing with the following:

4. Notwithstanding the requirement set out in item 1 above, for the period of February 1, 2023, to June 30, 2023, PNG may operate pipeline segment R1 to R2 NPS 10 from MP 19 to MP 67 at or below 4771 kPa (692 psi).
5. For any period of time between February 1, 2023, and June 30, 2023, that pipeline segment R1 to R2 NPS 10 is operated above 4089 kPa, PNG must conduct increased monitoring through its SCADA system.
6. Immediately upon becoming aware of any significant integrity threat or further pressure reduction required for safe operations of pipeline project 1422, PNG shall notify the Commission.
7. Submit the notice as required in item 6 electronically to cande@bcogc.ca.

Conditions:

- A. The Order as amended shall remain in effect until amended or terminated by the Commission.

Reasons:

I make this amendment to the Order for the following reasons:

- i. PNG is the permit holder of the subject pipeline.
- ii. In order to mitigate the risk of failure, the pipeline operating pressure should continue be limited to increase the factor of safety until identified defects can be assessed and repaired.

- iii. The temporary partial pressure increase is necessary to ensure adequate gas supply to the PNG service area, including during cold temperatures, but must be subject to increased monitoring through the SCADA system.
- iv. I remain of the opinion that this General Order 2021-0115, as amended, is necessary to mitigate a risk to public safety and the environment.

Review and Appeal

PNG may request a review of this amendment under section 70 of the Act by submitting a request for review to ogc.determinationreviews@bcogc.ca.

Alternatively, PNG may appeal this amendment to the Oil and Gas Appeal Tribunal under section 72 of the Act. The process for appeals may be found at www.ogat.gov.bc.ca and a notice of appeal may be sent to the Oil and Gas Appeal Tribunal at:

Oil and Gas Appeal Tribunal
PO Box 9425 Stn Prov Govt
Victoria, BC, V8W 9V1



Dax Bourke
Executive Director, Compliance & Enforcement
Oil and Gas Commission

DATED AT Fort St. John, in the Province of British Columbia, this 27th day of January 2023.

GENERAL ORDER 2021-0115-02
Amendment 1
Section 49 *Oil and Gas Activities Act*

Issued to:

Pacific Northern Gas Ltd.
750-888 Dunsmuir Street
Vancouver, BC V6C 3K4

Attention: Chad Fournier, Director Asset Management and Project Delivery

Order:

Pursuant to section 49(7) of the *Oil and Gas Activities Act* (the Act), I, Dax Bourke, amend General Order 2021-0115-02 issued on December 2, 2022, (the Order), to Pacific Northern Gas Ltd. (PNG) by replacing item 4 and 5 with the following:

4. Notwithstanding the requirement set out in item 1 above, for the period of December 14, 2022 to January 31, 2023, PNG may operate pipeline segment R1 to R2 NPS 10 from MP 19 to MP 67 at or below 4771 kPa (692 psi).
5. For any period of time between December 14, 2022 and January 31, 2023 that pipeline segment R1 to R2 NPS 10 is operated above 4089 kPa, PNG must conduct increased monitoring through its SCADA system.
6. On or before January 16, 2023, complete and submit an engineering assessment for R1 to R2 NPS 10 from MP 19 to MP 67 that meets the requirements of CSA Z662-2019, clause 10.1.
7. Immediately upon becoming aware of any significant integrity threat or further pressure reduction required for safe operations of pipeline project 1422, PNG shall notify the Commission.
8. Submit the reports as required in items 6 and 7 electronically to cande@bcogc.ca.

Conditions:

- A. The Order as amended shall remain in effect until amended or terminated by the Commission.

Reasons:

I make this amendment to the Order for the following reasons:

- i. PNG is the permit holder of the subject pipeline.

- ii. In order to mitigate the risk of failure, the pipeline operating pressure should continue be limited to increase the factor of safety until identified defects can be assessed and repaired.
- iii. The temporary partial pressure increase is necessary to ensure adequate gas supply to the PNG service area during cold temperatures, but must be subject to increased monitoring through the SCADA system.
- iv. I remain of the opinion that this General Order 2021-0115, as amended, is necessary to mitigate a risk to public safety and the environment.

Review and Appeal

PNG may request a review of this amendment under section 70 of the Act by submitting a request for review to ogc.determinationreviews@bcogc.ca.

Alternatively, PNG may appeal this amendment to the Oil and Gas Appeal Tribunal under section 72 of the Act. The process for appeals may be found at www.ogat.gov.bc.ca and a notice of appeal may be sent to the Oil and Gas Appeal Tribunal at:

Oil and Gas Appeal Tribunal
PO Box 9425 Stn Prov Govt
Victoria, BC, V8W 9V1



Dax Bourke
Executive Director, Compliance & Enforcement
Oil and Gas Commission

DATED AT Fort St. John, in the Province of British Columbia, this 14th day of December 2022.

GENERAL ORDER 2021-0115-02
Section 49 *Oil and Gas Activities Act*

Issued to:

Pacific Northern Gas Ltd.
750-888 Dunsmuir Street
Vancouver, BC V6c 3K4

Attention: Chad Fournier, Director Asset Management and Project Delivery

Order:

Pursuant to section 49(1)(e) of the *Oil and Gas Activities Act* (the Act), I, Dax Bourke, order that Pacific Northern Gas Ltd. (PNG) must:

1. On or before December 2, 2022, maintain the operating pressures of pipeline Project 1422 (the pipeline) at or below the pressures specified in the following table:

Pipeline Segment	Revised BCOGC Restriction based on PNG-Imposed Maximum Safe Operating Pressure (kPa)
R1-R2 NPS 10	4089
R1-MP24 NPS 12	6895
R2-R3 NPS 10	4578
R2-MP92 NPS 12	6895
R3-R4 NPS 10	4433
R3-MP142 NPS 12	6895
MP 202-209 NPS 16	6895
MP 209-240 NPS 10	4309
MP 231-248 NPS 12	4826
MP 240-244 NPS 8	4826
MP 248-251 NPS 10	4826
MP 251-256 NPS 12	4826
MP 256-268 NPS 10	3861
MP 268-R5 NPS 12	4826
Methanex Lateral NPS 10	6895
MP 268-273 NPS 10	4482
MP 273-311 NPS 8	2923
MP 311-364 NPS 8	2923

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2. Notwithstanding the requirement set out in item 1 above, for the period of December 2, 2022, to December 9, 2022, PNG may operate pipeline segment R1 to R2 NPS 10 at or below 4295.43 kPa (623psi) for the purpose of starting the R3 Compressor.
3. For any period of time between December 2, 2022 and December 9, 2022 that pipeline segment R1 to R2 NPS 10 is operated at above 4089kPA, PNG must conduct increased monitoring through its SCADA system.
4. Immediately upon becoming aware of any significant integrity threat or further pressure reduction required for safe operations of pipeline project 1422, PNG shall notify the Commission.
5. Submit the reports as required in item 3 electronically to C&E@bcogc.ca.

Conditions:

- A. This order shall remain in effect until terminated in whole or in part by the Commission.

Reasons:

I make this order for the following reasons:

- i. PNG is the permit holder for the pipeline.
- ii. PNG has completed inline inspections of the pipeline but has not addressed the results of those inspections in a timely manner.
- iii. General Order 2021-0115-01 required PNG to conduct integrity digs of the pipeline in 2021. Those assessments showed the pipeline to be at risk of failure in several locations.
- iv. In order to mitigate the risk of failure, the pipeline operating pressure should be limited to increase the factor of safety until the identified defects can be assessed and repaired.
- v. I am of the opinion that this order is necessary to mitigate a risk to public safety and the environment.

Review and Appeal

PNG may request a review of this order under section 70 of the Act by submitting a request for review to: ogc.determinationreviews@bcogc.ca.

PNG may appeal this order to the Oil and Gas Appeal Tribunal under section 72 of the Act. The process for appeals may be found at www.ogat.gov.bc.ca and a notice of appeal may be sent to the Oil and Gas Appeal Tribunal at:

Oil and Gas Appeal Tribunal
PO Box 4925 Stn Prov Govt
Victoria, BC V8W 9V1



Dax Bourke
Executive Director, Compliance & Enforcement
BC Oil and Gas Commission

DATED AT Fort St. John, in the Province of British Columbia, this 2nd day of December 2022.