



Pembina NGL Corporation

**Redwater Industrial System Designation Amendment
138-kilovolt Circuit Breaker Addition**

September 17, 2014

The Alberta Utilities Commission
Decision 2014-265: Pembina NGL Corporation
Redwater Industrial System Designation Amendment
138-kilovolt Circuit Breaker Addition
Application No. 1610826
Proceeding No. 3399

September 17, 2014

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1 Introduction and background

1. On August 20, 2013, Pembina NGL Corporation (Pembina), on behalf of Williams Energy (Canada) Inc. and TransCanada Energy Ltd., filed Applications No. 1609857 and No. 1609858 with the Alberta Utilities Commission (AUC or the Commission), pursuant to sections 4, 14, 15 and 19 of the *Hydro and Electric Energy Act*. In these two applications, Pembina requested approval to construct and operate a 550-metre long 138-kilovolt (kV) transmission line, designated as L108, and a 138/13.8-kV substation, designated as Scoria 318S, and the inclusion of these facilities in the existing Redwater Industrial System Designation (ISD). On October 18, 2013, the Commission approved these two applications in Decision [2013-387](#)¹ and granted to Pembina Industrial System Designation Order No. [U2013-458](#),² and Permit and Licence No. [U2013-478](#)³ for the new Scoria 318S substation. On December 3, 2013, the Commission granted to Pembina Permit and Licence No. [U2013-479](#)⁴ for transmission line L108.
2. ATCO Power Canada Ltd., on behalf of Pembina, filed an application with the AUC, pursuant to sections 4, 14, 15 and 19 of the *Hydro and Electric Energy Act*, for an amendment to Order No. U2013-458 and Licence No. [U2012-345](#)⁵ regarding the addition of a 138-kV circuit breaker to the existing Granite 342S substation within the industrial system site. This application was registered on September 8, 2014 as Application No. 1610826.
3. The industrial system designation encompasses all electric facilities at the Redwater industrial complex. These facilities are located in Township 56, Ranges 22, west of the Fourth Meridian, in the Fort Saskatchewan area.

¹ Decision 2013-387: Pembina NGL Corporation – Redwater Industrial System Designation Amendment, Applications No. 1609857 and No. 1609858, Proceeding No. 2794, October 18, 2013.

² Industrial System Designation Order No. U2013-458, Application No. 1609857, Proceeding No. 2794, October 18, 2013.

³ Substation Permit and Licence No. U2013-478, Application No. 1609858, Proceeding No. 2794, October 18, 2013.

⁴ Transmission Line Permit and Licence No. U2013-479, Application No. 1609858, Proceeding No. 2794, December 3, 2013.

⁵ Substation Licence No. U2012-345, Application No. 1608255, Proceeding No. 1771, July 23, 2012.

2 Discussion

4. Pembina stated that the original applications proposed only a new 138-kV circuit breaker at Scoria 318S substation and did not note the need for a new 138-kV circuit breaker at the Granite 342S substation. Granite 342S and Scoria 318S substations are the end points of transmission line L108. Pembina submitted that for safety and integrity reasons, a 138-kV breaker would be required at each end of transmission line L108.

5. Pembina stated that the circuit breaker is in the process of being installed and tested within the existing Granite 342S substation site and would not require any additional land. Pembina also stated that AltaLink Management Ltd., the owner of the adjacent Riverside substation, did not object to the addition of the circuit breaker.

3 Findings

6. The Commission has reviewed the application and finds that the application meets the information requirements stipulated in AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, and Industrial System Designations and Hydro Developments*.

7. The Commission is satisfied that the alteration would not cause additional adverse environmental impacts because the alteration will occur within the existing Granite 342S substation site.

8. The Commission is satisfied that the addition of a 138-kV circuit breaker is a minor addition to the Granite 342S substation and a minor amendment to the Redwater ISD. The Commission notes that, due to an oversight by the applicant, the alteration commenced without approval.

9. The Commission finds that Pembina's public involvement program was reasonable and there are no outstanding public or industry objections or concerns; therefore, a hearing was not required because the Commission considered that its decision or order would not directly and adversely affect the rights of a person pursuant to Section 9 of the *Alberta Utilities Commission Act*.

10. Based on the foregoing, the Commission considers the proposed amendment to the Redwater ISD and Granite 342S substation to be in the public interest in accordance with Section 17 of the *Alberta Utilities Commission Act*.

4 Decision

11. Pursuant to Section 4 of the *Hydro and Electric Energy Act* and sections 2(1)(d) and 117 of the *Electric Utilities Act*, the Commission approves the application and grants to Pembina, Williams Energy (Canada) Inc. and TransCanada Energy Ltd. the approval set out in Appendix 1 – Industrial System Designation Order No. U2014-385 – September 17, 2014. (Appendix 1 will be distributed separately).

12. Pursuant to sections 14, 15 and 19 of the *Hydro and Electric Energy Act*, the Commission approves the application and grants to Pembina the approval set out in Appendix 2 – Substation Permit and Licence No. U2014-386 – September 17, 2014. (Appendix 2 will be distributed separately).

Dated on September 17, 2014.

The Alberta Utilities Commission

(original signed by)

Anne Michaud
Commission Member