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November 13, 2020

VIA EMAIL and RESS

Ms. Christine E. Long
Registrar
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Long:

**Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board (OEB) File No.: EB-2020-0256
2021/2022 Storage Enhancement Project
Application and Evidence - REDACTED**

Enclosed please find the redacted application and evidence for the 2021/22 Storage Enhancement Project.

In accordance with the OEB's revised Practice Direction on Confidential Filings effective October 28, 2016, all personal information has been redacted from the following exhibits:

- Exhibit E, Tab 1, Schedule 1, Attachment 1 – Affidavit Search of Title
- Exhibit E, Tab 1, Schedule 1, Attachment 2 – Directly Affected Landowners from Affidavit of Title Search
- Exhibit F, Tab 1, Schedule 1, Attachment 1 - Duty to Consult
- Exhibit F, Tab 2, Schedule 2 - Indigenous Consultation Report: Log and Correspondence
- Exhibit H, Tab 1, Schedule 1, Attachment 1 – Cover Letter and Drill License Application
- Exhibit H, Tab 1, Schedule 1, Attachment 2 – Correspondence with MNRF

The confidential unredacted exhibits will be provided to the Ontario Energy Board under separate cover.

Should you have any questions concerning this submission please contact the undersigned.

Yours truly,

(Original Digitally Signed)

Asha Patel
Technical Manager, Regulatory Applications

A – General

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents of Schedule</u>
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	2	1	Application & Approvals Requested

B – Purpose, Need, Proposed Facilities & Timing

B	1	1	Purpose, Need, Proposed Facilities & Timing Attachment 1 – Summary Table of Current Delta Pressure Attachment 2 – Location map Ladysmith Pool Attachment 3 – Map Ladysmith DSA Attachment 4 – Ladysmith Pool Reef Structure Cross-Section Attachment 5 – Location Map Corunna Pool Attachment 6 – Map Corunna DSA Attachment 7 – Corunna Pool Reef Structure Cross-Section Attachment 8 – Location Map Seckerton Pool Attachment 9 – Map Seckerton DSA Attachment 10 – Seckerton Pool Reef Structure Cross-Section Attachment 11 – OEB Act Ladysmith DSA
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B – Purpose, Need, Proposed Facilities & Timing

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents of Schedule</u>
B	1	1	Attachment 13 – Ladysmith Proposed Gathering Line Attachment 14 – Ladysmith Diagram of Proposed Work Attachment 15 – Ladysmith Station Diagram Attachment 16 – Construction Schedule

C – Environmental Matters

C	1	1	Environmental Matters Attachment 1 - Environmental Report Attachment 2 - OPCC Review
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D – Facilities and Project Costs

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents of Schedule</u>
D	1	1	Design and Construction
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E – Land Matters

E	1	1	Land Requirements Attachment 1 – Affidavit of Title Search of Affected Parties (Redacted) Attachment 2 – Directly Affected Parties from Affidavit of Title Search (Redacted)
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E – Land Matters

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents of Schedule</u>
E	2	1	Form of Temporary Land Use Agreement
		2	Form of Easement Agreement

F – Indigenous Consultation

F	1	1	Indigenous Consultation Attachment 1 – Duty to Consult (Redacted) Attachment 2 – Sufficiency Letter Attachment 3 – Indigenous People Policy
	2	1	Indigenous Consultation Report: Summary Tables
		2	Indigenous Consultation Report: Log and Correspondence (Redacted)

G – Risk Assessment

G	1	1	Risk Assessment
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H – MNRF Requirements

H	1	1	Ministry of Natural Resource and Forestry (MNRF) Requirements Attachment 1 - Cover Letter and Drill License Application (Redacted) Attachment 2 – Correspondence with MNRF (Redacted)
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H – MNRF Requirements

<u>Exhibit</u>	<u>Tab</u>	<u>Schedule</u>	<u>Contents of Schedule</u>
H	1	1	Attachment 3 - Corunna Executive Summary
			Attachment 4 - Ladysmith Executive Summary
			Attachment 5 - Seckerton Executive Summary

ONTARIO ENERGY BOARD

IN THE MATTER OF the *Ontario Energy Board Act, 1998*, S.O. 1998, c.15 (Schedule B);

AND IN THE MATTER OF an application by Enbridge Gas Inc. for an order or orders to vary the maximum operating pressure of certain gas storage pools and granting leave to construct related gathering pipelines and ancillary facilities and for a favourable report to the Ministry of Natural Resources and Forestry to support a licence to drill a gas storage well.

APPLICATION

1. Enbridge Gas Inc. (“Enbridge Gas”) is seeking approval from the Ontario Energy Board (“Board”) to conduct the activities described below as part of its 2021/2022 Storage Enhancement Project (“Project”), specifically:
 - a. leave to vary/increase the maximum operating pressure (“MOP”) of three storage pools;
 - b. a favourable report to the Ministry of Natural Resource and Forestry (“MNRF”) for drilling an injection/withdrawal well; and
 - c. leave to construct certain gathering pipelines and ancillary facilities and approval of the form of land agreements to be used.

MOP Increase in Storage Pools

2. The Project activities impact the Ladysmith, Corunna and Sekerton pools which are part of Enbridge Gas’ storage operations. Each of the pools is a designated storage area (“DSA”) as defined in the *Ontario Energy Board Act, 1998* (“OEB Act”). The current and future proposed pressure gradients in the pools are set out below:

Pool	Current Gradient	Proposed Gradient
Ladysmith	15.6 kPa/m 0.69 psi/ft	16.5 kPa/m 0.73 psi/ft
Corunna	15.8 kPa/m 0.7 psi/ft	17.2 kPa/m 0.76 psi/ft
Seckerton	15.8 kPa/m 0.7 psi/ft	17.2 kPa/m 0.76 psi/ft

3. Enbridge Gas wishes to operate the pools in accordance with the above maximum pressure gradients for the 2021 injection season. The proposed MOP for each pool is permitted under the Canadian Standards Association Standard Z341.1-18 (“CSA Z341.1-18”). Increasing the MOP of the storage pools will allow Enbridge Gas to store additional natural gas. The additional storage capacity created by the Project will be sold to third parties as part of the Enbridge Gas unregulated storage portfolio.

4. Enbridge Gas has the authority to store gas in the Ladysmith storage pool pursuant to the Board’s E.B.L.O. 269, E.B.O. 212/213, E.B.R.M. 112 report and orders. Enbridge Gas has authority to store gas in the Corunna and Seckerton pools pursuant to the Board’s E.B.O. 5 decision and order and as designated by O.Reg. 330/62 as amended by O.Reg. 7/63. Enbridge Gas requests the Board to issue a favourable report to the MNRF supporting its request for increasing the MOP in this manner or amending its DSA orders for these pools, as appropriate.

5. The Project will include the installation of emergency shut-down valves, master valves, and wellheads at the Corunna and Seckerton pools, and the installation of a control valve at the Ladysmith Station.

Report to MNRF for Well Drilling Licence

6. Enbridge Gas has applied to the MNRF to drill one well in St. Clair Township, in the County of Lambton, Ontario - a horizontal gas storage well TL 9H to be drilled in the Ladysmith Storage Pool to increase deliverability from that pool.

7. Pursuant to section 40 of the OEB Act, Enbridge Gas seeks a favourable report from the Board to the MNRF to support the application to drill.

Leave to Construct Gathering Pipelines

8. Enbridge Gas is proposing to construct the following gathering pipelines:
 - a. install approximately 70 metres of new NPS 10 steel pipeline to connect the proposed TL 9H well to the Ladysmith gathering lines;
 - b. upgrade approximately 200 metres of the existing Ladysmith NPS 16 gathering pipelines to NPS 20;
 - c. re-route approximately 150 metres of the NPS 20 Ladysmith transmission pipeline to connect the Payne pipeline and the Ladysmith pipeline within the existing Kimball-Payne Station; and
 - d. install 2.2 kilometres of NPS 24 steel pipeline to connect the Payne Compressor Station to the Corunna Compressor Station.

9. Enbridge Gas hereby applies to the Board pursuant to the OEB Act for an order or orders granting:
 - a. pursuant to Section 90 (1) of the Act, leave to construct approval for the proposed natural gas pipelines and ancillary facilities; and
 - b. pursuant to Section 97 of the Act, approval of the form of land agreements.

10. Enbridge Gas further applies to the Board for all necessary orders and directions concerning pre-hearing and hearing procedures for the determination of this application. This application is supported by written evidence.
11. In order to meet the proposed in-service date of November 2021 and to commence construction activities in April 2021, Enbridge Gas requests the Board to issue the requested approvals and report to the MNRF by the end of March 2021.
12. Enbridge Gas requests that a copy of every document filed with the Board in this proceeding be served on the Applicant and the Applicant's counsel, as follows:

The Applicant:

Regulatory Contact:

Ms. Asha Patel
Technical Manager, Regulatory Applications
Enbridge Gas Inc.

Address for personal service:

500 Consumers Road
Willowdale, Ontario M2J 1P8
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Mailing address:

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Email:

Asha.Patel@enbridge.com

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The Applicant's counsel:

Ms. Tania Persad
Senior Legal Counsel
Enbridge Gas Inc.

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Dated at the City of Toronto, Ontario this 13th day of November, 2020.

(Original Digitally Signed)

Tania Persad
Senior Legal Counsel

PURPOSE, NEED, PROPOSED FACILITIES & TIMING

Purpose, Need & Proposed Facilities

1. Enbridge Gas Inc. (“Enbridge Gas”) is proposing to conduct the activities set out in the application at Exhibit A-2-1 (“Application”) as part of its 2021/22 Storage Enhancement Project (“Project) in order to meet growing market demand for incremental storage space. The Project is the second phase of a larger project to increase deliverability and storage capacity at Enbridge Gas’ storage facilities. The larger project involves the delta pressuring of certain pools and providing incremental storage capacity. The additional 8,100 10³m³ per day of deliverability and storage capacity will be sold as part of Enbridge Gas’ unregulated storage portfolio. In its EB-2020-0074 interrogatory response at Exhibit 1. STAFF.3, Enbridge Gas described the larger project and its two phases, including the type of work to be completed, pool names and locations and proposed timing of the work to be completed.

2. The Project involves:
 - A. Increasing the maximum operating pressure (“MOP”) of three existing storage pools;
 - B. Drilling one injection/withdrawal well in an existing storage pool;
 - C. Installation of natural gas pipelines to connect an existing storage pool to a main compressor station, modifying an existing transmission pipeline to connect with another existing transmission pipeline at an existing station, replacing and upgrading an existing gathering line and connecting an injection/withdrawal well to the main gathering line; and
 - D. Upgrading and installing new equipment and pipelines at existing stations.

A. Maximum Operating Pressure Increase – Leave to Vary

a. Description of Activities

3. The Project will include increasing the MOP in the Ladysmith Storage Pool to a maximum pressure gradient of 16.5 kPa/m (0.73 psi/ft) and increasing the MOP in the Corunna Storage Pool and the Seckerton Storage Pool (“Pools”) to a maximum pressure gradient of 17.2 kPa/m (0.76 psi/ft) during the 2021 injection season. This is permitted under Canadian Standards Association Standard Z341.1-18 Storage of Hydrocarbons in Underground Formations (“CSA Z341.1-18”) and Enbridge Gas confirms that it will comply with the requirements of CSA Z341.1-18, as amended from time to time.
4. Enbridge Gas has conducted engineering and geological studies to verify the ability to safely increase the MOP of the Pools. The results are discussed in Exhibit H, Tab 1, Schedule 1 of the evidence.
5. Attachment 1 is a table summarizing the current delta pressure of the Enbridge Gas pools with pressure gradients of 16.5 kPa/m (0.73 psi/ft) or greater.
6. In the past, the Ontario Energy Board (“OEB” or “Board”) has imposed conditions of approval limiting the MOP on certain storage pools operated by Enbridge Gas.
7. Enbridge Gas is applying for leave to vary the conditions of approval in relation to delta pressuring the Ladysmith Storage Pool. The original condition (imposed upon Enbridge Gas’ predecessor) states:

“Consumers Gas shall not operate the Ladysmith Pool above a pressure representing a pressure gradient of 0.7 psi per ft. depth (15.9 kPa/m) without the leave of the Board.”¹

The Corunna and Seckerton Pools do not have conditions of approval limiting the pressure similar to the Ladysmith Pool. However, in E.B.R.M. 91, the Board found in limiting the pressure gradient of the Dawn 156 pool to 0.7 psi/ft (15.9 kPa/m) that while it can apply such conditions on a pool-by-pool basis, it is more appropriate for the Ministry of Natural Resources (now the MNRF) to consider the problems associated with ever increasing pressures in gas storage pools throughout Ontario and to determine the maximum safe limit to be permitted.²

8. The current and future proposed gradients in the pools are summarized below.

Pool	Current Gradient	Proposed Gradient
Ladysmith	15.6 kPa/m 0.69 psi/ft	16.5 kPa/m 0.73 psi/ft
Corunna	15.8 kPa/m 0.7 psi/ft	17.2 kPa/m 0.76 psi/ft
Seckerton	15.8 kPa/m 0.7 psi/ft	17.2 kPa/m 0.76 psi/ft

9. As a condition to any approval or favourable report from the Board, Enbridge Gas will accept a similar condition for the Ladysmith, Corunna and Seckerton Pools that was attached to the Board’s approval in the EB-2020-0074 proceeding. The condition in the EB-2020-0074 proceeding is as follows, recognizing that Enbridge Gas is proposing to increase the operating pressure at Ladysmith to 16.5 kPa/m (0.73 psi/ft) and at Corunna and Seckerton Pools to 17.2 kPa/m (0.76 psi/ft):

¹ E.B.L.O. 269, E.B.O. 212, 213, and E.B.R.M. 112, Appendix B.

² E.B.R.M. 91, page 6

Enbridge Gas Inc. shall not operate the Black Creek, Coveny and Wilkesport natural gas storage pools above operating pressures representing a pressure gradient of 17.2 kPa/m (0.76 psi/ft) of depth without leave of the OEB.

10. Enbridge Gas' request translates into an increase in pool pressure of approximately 530 kPa for Ladysmith, 820 kPa for the Corunna Pool and 810 kPa for the Seckerton Pool. These increases are within the limits prescribed by CSA Z341.1-18.
11. The proposed pressure increase in the Pools will create an additional working capacity of 99,000 10^3m^3 . Enbridge Gas will use this capacity to meet the requirements of its unregulated storage service customers and will sell the capacity at market-based prices.
12. As with prior approvals for delta pressuring, it is Enbridge Gas' understanding that the Board will condition its approval with a requirement to comply with CSA Z341.1-18 to the satisfaction of the Ministry of Natural Resources and Forestry ("MNRF"). Further information about consultations with the MNRF is provided in Exhibit H, Tab 1, Schedule 1.
13. If the Application is approved, Enbridge Gas will begin operating the pools at higher pressure gradients during the 2021 injection season.
14. Enbridge Gas will review and update operating procedures and emergency response plans prior to operating the pools at the increased pressure levels.
15. Control valves capable of isolating the storage facility from the transmission pipeline are currently in place at the Corunna and Seckerton Pools, with remote operation

from the Enbridge Control Room, located at the Corunna Compressor Station, in accordance with CSA Z341.1-18, Section 9.3. As part of the Project, Enbridge Gas is planning to install a control valve in the Ladysmith Station.

16. Enbridge Gas proposes to install emergency shut down (“ESD”) valves on each natural gas storage well at the Corunna and Seckerton pools. All wells at Ladysmith currently have ESD valves installed. All ESDs installed on the wells will have the capability to be shut-in remotely from the Enbridge Control Room, either individually or on a per pool basis.
17. All above ground piping and pipelines are being reviewed to ensure compliance, with the CSA Z662-15 Standard, as adopted by the Technical Standards & Safety Authority through Ontario Regulation 210/01, at the proposed increased operating pressure. The pools will not be operated at the proposed higher operating pressures until the suitability of the above ground piping and pipelines has been confirmed.

b. Proposed Wellhead Upgrades

18. As part of the larger project Enbridge Gas will be performing the following work at the Corunna and Seckerton Storage Pools in 2021, from approximately March to October:
 - A. New master valves on 18 wells;
 - B. New wellheads on 18 wells; and
 - C. The installation of ESD valves on 14 wells

The wellheads are being upgraded to meet CSA Z341.1-18. The ESD valves, while not being required by CSA Z341.1-18, are being added to improve the operational

safety of the storage injection/withdrawal wells. The three wells located within the Ladysmith Storage Pool have been previously upgraded and ESD valves have also been installed.

19. All of the wellhead and ESD valves work will take place on previously disturbed lands either owned by Enbridge Gas or for which Enbridge Gas has the right to enter for the purposes of its natural gas storage operations.

c. Geology and Reservoir Engineering

Ladysmith Pool

20. The Ladysmith Pool was discovered in 1969 with the drilling of McClure Moore 3-20-IV (MM.3-20-4) and was converted to natural gas storage in 1999. A location map showing the Ladysmith Pool is shown in Attachment 2. Currently the pool is operated and monitored using two natural gas storage wells and one observation well. The Ladysmith Pool has a total capacity of 246,400 10^3m^3 and a working capacity of 187,600 10^3m^3 . The pool currently operates between a cushion pressure of 2,512 kPaa and a maximum pressure of 9,200 kPaa.
21. A map showing the Ladysmith designated storage area (“DSA”), Guelph structure and depth-to-crest can be found in Attachment 3. The geological interpretation was completed using 3D seismic data and well information. The map is contoured in 10 metre intervals and shows the reef reaching approximately 95 metres above the regional Guelph surface. The minimum depth-to-crest is 621.8 metres.
22. A cross section illustrating the reef structure of the Ladysmith Pool can be found in Attachment 4. The cross section illustrates the relationship of the pinnacle reef to

the surrounding formations. The A2 Salt, A1 Carbonate and A1 Anhydrite units pinch out against the flank of the reef providing lateral seals. The A2 Anhydrite, A2 Shale, and A2 Carbonate drape over the reef forming an effective caprock seal ranging in thickness from 32.7 to 41.5 metres. The A2 Anhydrite is continuous over the reef and ranges in thickness from 4.5 to 11.9 metres.

23. Enbridge Gas is proposing to operate the Ladysmith Pool at 9,730 kPaa. This equates to a pressure gradient of 16.5 kPa/m (0.73 psi/ft). This will increase the working capacity from 187,600 10^3m^3 to 204,100 10^3m^3 , which is an incremental capacity gain of 16,500 10^3m^3 .
24. The MOP of the gathering lines in the pool is 9,653 kPag (1,400 psig). As part of this Project, Enbridge Gas is proposing to replace and upgrade the Ladysmith gathering line to 9,929 kPag (1,440 psig) and increase the size from NPS 16 to NPS 20.
25. In order to ensure the proposed maximum pressure gradient complies with CSA Z341.1-18, an engineering study was conducted by Geofirma Engineering Ltd. for the Ladysmith Pool. This engineering study incorporated data from geomechanical and regional in-situ tests completed on the reservoir and caprock formations. An executive summary of the Geofirma study is located in Section H, Tab 1, Schedule 1.
26. In addition, a review of well casings and wellheads was completed for the Ladysmith Storage Pool. As a result of this review it was determined that upgrades to the wells are not required. The three existing wells meet CSA Z341.1-18 and have ESD valves installed.

ii. Corunna Pool

27. The Corunna Pool was discovered in 1950 with the drilling of Imperial 259 Corunna 4 (IC.4) and was converted to natural gas storage in 1964. A location map showing the Corunna Pool is shown in Attachment 5. Currently the pool is operated and monitored using five natural gas storage wells and one Guelph observation well. The Corunna Pool has a total capacity of 239,200 10^3m^3 and a working capacity of 185,400 10^3m^3 . The pool currently operates between a cushion pressure of 2,512 kPaa and a maximum pressure of 9,690 kPaa.
28. A map showing the Cor unna DSA, Guelph structure and depth-to-crest can be found in Attachment 6. The geological interpretation was completed using 3D seismic data and well information. The map is contoured in 10 metre intervals and shows the reef reaching approximately 120 metres above the regional Guelph surface. The minimum depth-to-crest is 647.3 metres.
29. A cross section illustrating the reef structure of the Corunna Pool is shown in Attachment 7. The cross section illustrates the relationship of the reef to the surrounding formations. The A2 Salt, A1 Carbonate and A1 Anhydrite units pinch out against the flank of the reef providing lateral seals. The A2 Anhydrite, A2 Shale, and A2 Carbonate drape over the reef forming an effective caprock seal ranging in thickness from 29.9 to 58.6 metres. The A2 Anhydrite is thin but continuous over the reef and ranges in thickness from 1.1 to 10.6 metres.
30. Enbridge Gas is proposing to operate the Corunna Pool at 10,520 kPaa. This equates to a pressure gradient of 17.2 kPa/m (0.76 psi/ft). This will increase the working capacity from 185,400 10^3m^3 to 209,200 10^3m^3 , which is an incremental capacity gain of 23,800 10^3m^3 .

31. The MOP of the gathering lines in the pool is 11,722 kPag (1,700 psig).
32. In order to ensure the proposed maximum pressure gradient complies with CSA Z341.1-18, an engineering study was conducted by Geofirma Engineering Ltd. for the Corunna Pool. This engineering study incorporated data from geomechanical and regional in-situ tests completed on the reservoir and caprock formations. An executive summary of the Geofirma study is located in Section H, Tab 1, Schedule 1 of this Application.
33. In addition, a review of well casings, wellheads, gathering pipelines and other related surface facilities was completed. As a result of this review, five wells in the Corunna Pool will receive new master valves and new wellheads. Four of these are natural gas storage wells and will also have ESD valves installed. One well does not require any upgrades. This work is scheduled to be completed prior to delta pressuring. No other upgrades are required.

iii. Seckerton Pool

34. The Seckerton Pool was discovered in 1952 with the drilling of Imperial 344 (I.344) and was converted to natural gas storage in 1964. A location map showing the Seckerton Pool is shown in Attachment 8. Currently the pool is operated and monitored using ten natural gas storage wells and four observation wells. The Seckerton Pool has a total capacity of 592,400 10^3m^3 and a working capacity of 456,200 10^3m^3 . The pool currently operates between a cushion pressure of 2,512 kPaa and a maximum pressure of 9,500 kPaa.

35. A map showing the Seckerton DSA, Guelph structure and depth-to-crest can be found in Attachment 9. The geological interpretation was completed using 3D seismic data and well information. The map is contoured in 10 metre intervals and shows the reef reaching approximately 100-110 metres above the regional Guelph surface. The minimum depth-to-crest is 633.4 metres.
36. A cross section illustrating the reef structure of the Seckerton Pool can be found in Attachment 10. The cross section illustrates the relationship of the pinnacle reef to the surrounding formations. The A2 Salt, A1 Carbonate and A1 Anhydrite units pinch out against the flank of the reef providing lateral seals. The A2 Anhydrite, A2 Shale, and A2 Carbonate drape over the reef forming an effective caprock seal ranging in thickness from 27.5 to 56.7 metres. The A2 Anhydrite is continuous over the reef and ranges in thickness from 1.2 to 17.0 metres.
37. Enbridge Gas is proposing to operate the Seckerton Pool at 10,310 kPaa. This equates to a pressure gradient of 17.2 kPa/m (0.76 psi/ft). This will increase the working capacity from 456,200 10^3m^3 to 514,900 10^3m^3 , which is an incremental capacity gain of 58,700 10^3m^3 .
38. The MOP of the gathering lines in the pool is 11,722 kPag (1,700 psig).
39. In order to ensure the proposed maximum pressure gradient complies with CSA Z341.1-18, an engineering study was conducted by Geofirma Engineering Ltd. for the Seckerton Pool. This engineering study incorporated data from geomechanical and regional in-situ tests completed on the reservoir and caprock formations. An Executive Summary of the Geofirma Study is located in Section H, Tab 1, Schedule 1. of this Application.

40. In addition, a review of well casings, wellheads, gathering pipelines and other related surface facilities was completed. As a result of this review, thirteen wells in the Seckerton Pool will receive new master valves and new wellheads and ten of these wells are natural gas storage wells and will have ESD valves installed. This work is scheduled to be completed prior to delta pressuring. No other upgrades are required.

B. Well Drilling – Favourable Report for a Licence to Drill

40. Enbridge Gas is proposing to drill one horizontal gas storage well [TL 9H (Horiz.#1) Moore 8-20-V (TL 9H)] in the Ladysmith Storage Pool in St. Clair Township, in the County of Lambton, Ontario. Attachment 11 to this Exhibit shows the location of the well and the DSAs. In the Application, Enbridge Gas is requesting that the Board issue a favourable report to the MNRF for the drilling of well TL 9H.

Horizontal Well – TL 9H

41. The drilling of the TL 9H well is required to increase the deliverability from the Ladysmith Storage Pool. As noted above, the drilling of the well is part of a larger project to increase the maximum operating pressure in certain pools and to provide incremental storage capacity. The additional deliverability and storage capacity will be sold as part of Enbridge Gas' unregulated storage portfolio.

42. The TL 9H well will be drilled within the same wellbore as TL 9, Moore 8-20-V (TL 9) stratigraphic test well. The drilling of the TL 9 well was approved by the Board in EB-2019-0012 and Well Licence T012612 was issued by the MNRF on July 30, 2019.

43. The TL 9 well was drilled in accordance with the drilling program that was submitted to both the Board and the MNRF in EB-2019-0012 and drilling operations were completed on September 26, 2019. The well reached a total depth of 616.5m in the A-2 Shale Formation and did not penetrate the Guelph (reef) storage formation.
44. Enbridge Gas plans to re-enter and plug back the TL 9 stratigraphic test well in March and April of 2021, once withdrawal operations have ceased and the reservoir is below 3,500kPa.
45. Drilling of the TL 9H well will occur from May to July 2021 when there will be no injection or withdrawal operations in the Ladysmith Storage Pool. The drilling work must be done when the reservoir pressure is less than 3,500kPa. This will allow the well to be safely drilled.
46. Upon completion of the drilling of the horizontal well, approximately 70 metres of Nominal Pipe Size (“NPS”) 10-inch steel pipeline will be installed to connect the new well to the Ladysmith gathering pipeline. The drilling pad will be reduced in size to approximately 11m x 5.5m, a permanent access laneway will remain, and the balance of the land will be restored along with the repair of any drainage tile. Attachment 12 to this Exhibit shows the location of the proposed well and lateral pipeline.
47. The drilling of TL 9H will not cause any disruption to service from the Ladysmith Pool.
48. The well will be drilled on previously disturbed lands. The TL 9H well will be drilled on land owned by Enbridge Gas, on an existing gravel pad that was constructed in 2019 for the drilling of the TL 9 well. Upon completion of drilling operations, the drill pad will be reduced in size to approximately 11m x 5.5m, a permanent access

laneway will remain, and the balance of the land will be restored along with the repair of any drainage tile.

C. Pipeline – Leave to Construct

a. Ladysmith Storage Pool

TL 9H Lateral Pipeline

49. Enbridge Gas is proposing to install approximately 70 metres of NPS 10-inch steel pipeline, with a pressure rating of 9,930 kPa, from the proposed TL 9H well to the main Ladysmith gathering pipeline. The pipeline will be installed in Lot 20, Concession 5 in St. Clair Township on previously disturbed lands owned by Enbridge Gas. The pipeline installation will occur upon completion of drilling operations in Summer and Fall of 2021 and will not cause any disruption of service to the Ladysmith Storage Pool. The planned in-service date is Fall 2021.

Upgrade of Existing Ladysmith Gathering Line

50. Enbridge Gas is proposing to upgrade the existing Ladysmith NPS 16 gathering pipeline to NPS 20 steel pipeline. Approximately 200m of NPS 20 will be installed with 160m to connect the three existing wells and the proposed horizontal storage well and 40m of NPS 20 within the Ladysmith Station. The pressure rating of the NPS 20 pipeline will be 9,930 kPa (1440 psig).
51. The NPS 20 pipeline will be installed in Lot 20, Concession 5 in St. Clair Township on previously disturbed lands owned by Enbridge Gas. The NPS 16 pipeline will be removed and the NPS 20 pipeline will be installed in the same trench. Attachment 13 shows the location of the pipeline in the Ladysmith Storage Pool.

52. Alternate routes for this pipeline were not considered as this is a replacement of an existing pipeline in an established pipeline corridor. The existing pipeline route provides the most direct path and is located on lands owned by Enbridge Gas and therefore provides minimum disruption to adjacent landowners.

53. The NPS 20 pipeline will have an outside diameter of 508 millimeters, Category II notch toughness at design temperature of M5C and minimum specified yield strength of %SMYS of 72%. The MOP of the pipeline will be 9,930 kPa (1440 psig). The pipe will be manufactured to CSA Z245.1 Steel Line Pipe Standard for Pipeline Systems and Materials (latest edition). Figure 9-1 below illustrates minimum design and pipe parameters.

Figure 9-1

Minimum Pipeline Design Specifications

NPS 20 (508 mm)	Class 2 General Location
Location Factor	0.9
Design Factor	0.8
Maximum Operating Pressure (MOP)	9,930 kPa
Mainline Test Medium	Water
Mainline Minimum Test Pressure	MOP x 1.25 (12,413 kPa)
Grade (minimum)	*
Wall Thickness (minimum)	*
%SMYS	72%
Category	II

- Grade and wall thickness will be selected to keep %SMYS below 72% in accordance with Location and Design Factor for Class 2

Modification to Ladysmith Transmission Pipeline for the Ladysmith and Payne Connection

54. Enbridge Gas is proposing to re-route the NPS 20 Ladysmith Transmission pipeline to connect the Payne pipeline and the Ladysmith pipeline, within the existing Kimball-Payne Station.
55. A section of the existing NPS 20 Ladysmith Transmission pipeline will be removed and two short segments of NPS 20 pipeline, totaling 79 metres, will be installed in Lot 20, Concession 7 in St. Clair Township. A diagram of the proposed work can be found in Attachment 14.
56. The proposed pipeline will be located on private property and an easement will have to be negotiated with the landowner. See Exhibit E, Tab 1, Schedule 1 for more details on land use requirements.
57. The proposed in-service date for the pipeline is in the Fall of 2022.
58. The NPS 20 pipeline will have an outside diameter of 508 millimeters, Category II notch toughness at design temperature of M5C and minimum specified yield strength of %SMYS of 72%. Maximum Operating Pressure ("MOP") of the pipeline will be 9,930 kPa. The pipe will be manufactured to CSA Z245.1 Steel Line Pipe Standard for Pipeline Systems and Materials (latest edition). Figure 9-1 below illustrates minimum design and pipe parameters.

Figure 9-1

Minimum Pipeline Design Specifications

NPS 20 (508 mm)	Class 2 General Location
Location Factor	0.9
Design Factor	0.8
Maximum Operating Pressure (MOP)	9,930 kPa
Mainline Test Medium	Water
Mainline Minimum Test Pressure	MOP x 1.25 (12,413 kPa)
Grade (minimum)	*
Wall Thickness (minimum)	*
%SMYS	72%
Category	II

- Grade and wall thickness will be selected to keep %SMYS below 72% in accordance with Location and Design Factor for Class 2

b. Payne Storage Pool

59. Enbridge Gas is proposing to install 2.2 km of NPS 24 steel pipeline to connect the Payne Storage Pool Compressor Station, located in Lot 21, Concession 7 (3524 Ladysmith Road), to the Corunna Compressor Station located in Lot 19, Concession 7 (3501 Tecumseh Road), both in St. Clair Township.
60. The preferred route for this pipeline commences at the Payne Storage Pool Compressor Station where it interconnects with existing facilities. From there, it travels north along Ladysmith Road to the intersection of Ladysmith Road and an existing Enbridge Gas natural gas pipeline corridor to the Corunna Compressor Station yard on Tecumseh Road, where it will tie into existing facilities.
61. Enbridge Gas has considered alternative routes for the new pipeline and the routes are discussed in the Environmental Report contained in Exhibit C, Tab 1, Schedule 1 of the evidence.

62. Enbridge Gas must order pipe in 2021 to meet the in-service date of Fall 2022. Construction of the proposed pipeline is scheduled to occur in Spring 2022. The construction schedule takes advantage of drier summer months, thereby minimizing the impact of construction on agricultural lands and other features, such as watercourses. The planned in-service date is Fall 2022.
63. The NPS 24 pipeline will have an outside diameter of 609 millimeters, a minimum wall thickness of 12.7 millimeters, Category II notch toughness at design temperature of M5C and minimum specified yield strength of 448 MPa. Maximum Operating Pressure (“MOP”) of the pipeline will be 10,686 kPa. The pipe will be manufactured to CSA Z245.1 Steel Line Pipe Standard for Pipeline Systems and Materials (latest edition). Figure 9-2 below illustrates minimum design and pipe parameters.

Figure 9-2

Minimum Pipeline Design Specifications

NPS 24 (609 mm)	Class 2 General Location
Location Factor	0.9
Design Factor	0.8
Maximum Operating Pressure (MOP)	10,686 kPa
Mainline Test Medium	Water
Mainline Minimum Test Pressure	MOP x 1.25 (13,358 kPa)
Grade (minimum)	448 MPa
Wall Thickness (minimum)	12.7 mm
%SMYS	57.2%
Category	II

D. Facilities and Stations Modifications

a. Ladysmith and Payne Connection

64. Modifications to the existing Payne-Kimball Station are proposed to provide a connection between the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline. The existing Payne-Kimball Station is in Lot 19, Concession 7, Moore Township, Lambton County, Province of Ontario. The modifications will route and control gas from the Ladysmith Storage Pool to the Dawn Compressor Station via the Payne Storage Pool pipeline. Control valves will be installed to allow the higher pressure gas (1440 psig) from the Ladysmith Storage Pool to be reduced to the maximum operating pressure (1000 psig) of the Payne Storage Pool pipeline and will allow the flow of gas from the Ladysmith Storage Pool to the Dawn Compressor Station via the Payne Storage Pool pipeline. The proposed crossover will also have the function of routing gas between the Dawn Compressor Station, the Corunna Compressor Station, the Payne Storage Pool and the Ladysmith Storage Pool. The crossover installation will involve the installation of piping and valving between the two pipelines and the re-routing of approximately 150m of the existing Ladysmith NPS 20-inch steel pipeline. A diagram of the proposed station modifications is included as Attachment 14.
65. The work will require 0.0647 hectares of additional land to be acquired to the north of the existing station measuring approximately 20 metres by 31.8 metres. The Payne-Kimball Station is located on lands owned by Enbridge and the expansion area is located on privately owned lands which Enbridge Gas will be negotiating to purchase. At this time negotiations are still pending however Enbridge Gas does not foresee a risk in being able to purchase the required land as the landowner has indicated he is willing to sell the land.

b. Ladysmith Station

66. A 16-inch bi-directional control valve, new NPS 20 pipeline (to replace existing NPS 16 pipeline), isolation valves and associated pipe and fittings will be installed within the Ladysmith Station. There will also be a NPS 20 filter/separator installed and a new NPS 16 receiver, along with associated pipe and fittings.
67. The station work will be completed primarily within the current footprint of the Ladysmith Station. The fence will be extended 5 metres to the south and a driveway will be installed adjacent to the new fence. The extension will be placed on lands owned by Enbridge Gas.
68. A diagram of the proposed station modifications is included in Attachment 15.

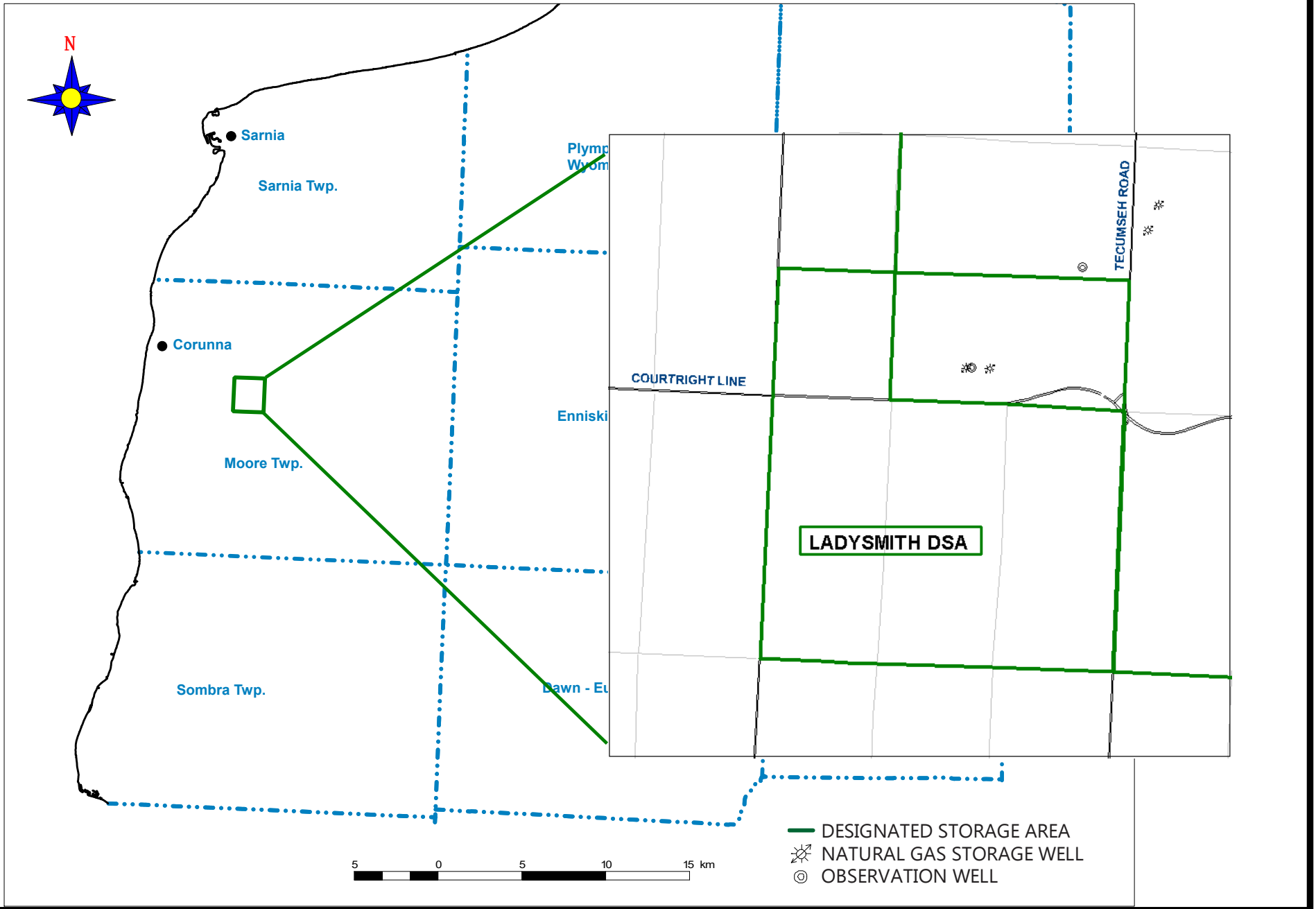
Timing

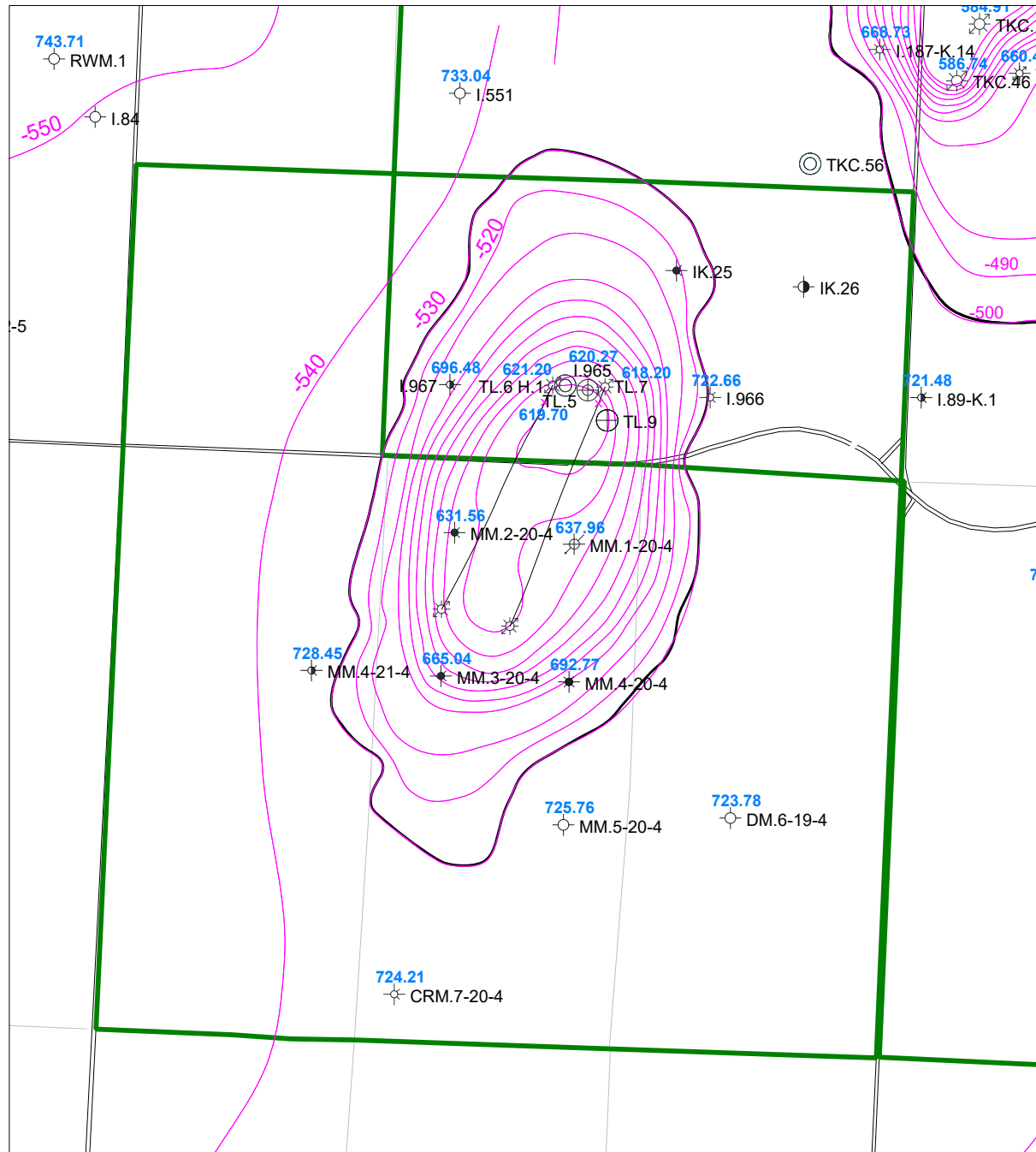
69. A construction schedule for the project set out in this Exhibit can be found at Attachment 16.

Gas Inc (Legacy Enbridge Gas Distribution) Pools Delta Pressured at or Above 16.5 kPa/m (0.73 psi/ft)

Storage Pool	Current Gradient (kPa/m)	Year Delta Pressured to Current Gradient	Maximum Operating Pressure (kPaa) (Wellhead)
Airport	17.2	2018	11,580
Bentpath	17.2	2013	8,200
Bentpath East	17.2	2016	7,850
Bickford	17.2	2015	9,000
Black Creek	17.2	2020	8,300
Bluewater	16.5	2009	9,780
Booth Creek	17.2	2016	8,350
Coveny	17.2	2020	8,830
Dawn 47-49	17.2	2014	7,920
Dawn 156	17.2	2017	8,290
Dawn 167	17.2	2014	7,800
Dow A	16.5	2008	10,690
Enniskillen 28	17.2	2015	9,090
Heritage	16.5	2009	10,620
Mandaumin	16.5	2016	9,820
Oil City	17.2	2015	8,610
Oil Springs East	17.2	2015	8,390
Payne	16.5	2008	9,250
Rosedale	17.2	2013	8,210
Terminus	16.5	2001	7,720
Waubuno	16.5	2004	8,670
Wilkesport	17.2	2020	8,930

GEOGRAPHICAL LOCATION OF THE LADYSMITH DESIGNATED STORAGE AREA





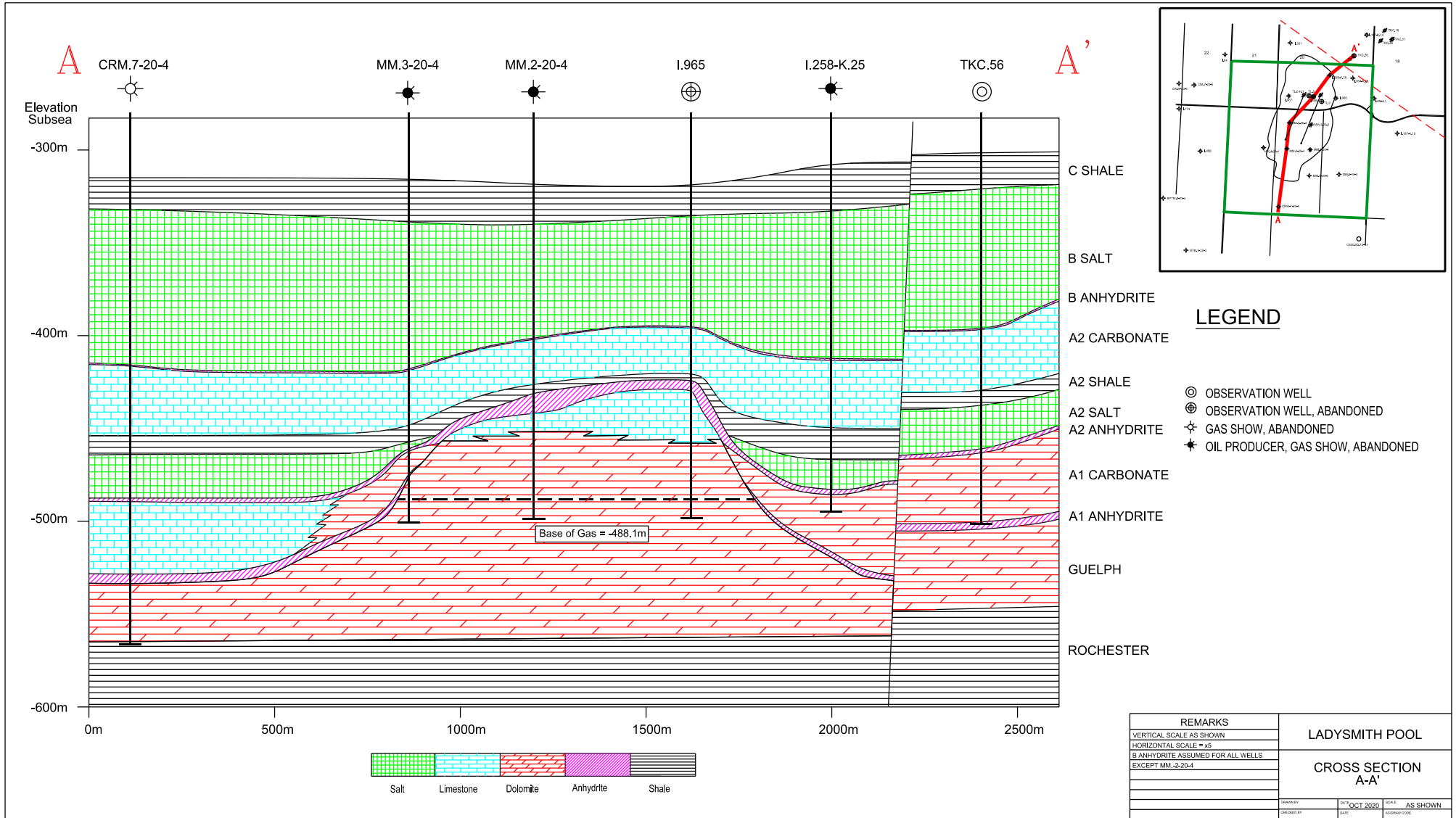
LEGEND

- 637.96 GUELPH DEPTH TO CREST
- GUELPH CONTOUR
- DSA - ENBRIDGE GAS INC
- GUELPH INTERCEPT
- REEF FOOTPRINT
- DRY HOLE, ABANDONED
- ☼ NATURAL GAS STORAGE
- ◎ OBSERVATION WELL
- ⊕ OBSERVATION WELL, ABANDONED
- ⊕ STRATIGRAPHIC TEST WELL
- ⊖ INJECTION WELL, ABANDONED
- ⊖ OIL SHOW, ABANDONED
- ⊖ OIL SHOW, GAS SHOW, ABANDONED
- ⊖ OIL PRODUCER, GAS PRODUCER, ABD
- ⊖ OIL PRODUCER, GAS SHOW, ABANDONED
- Top Hole: ☼
Bottom Hole: ▲
- ▲ HORIZONTAL WELL

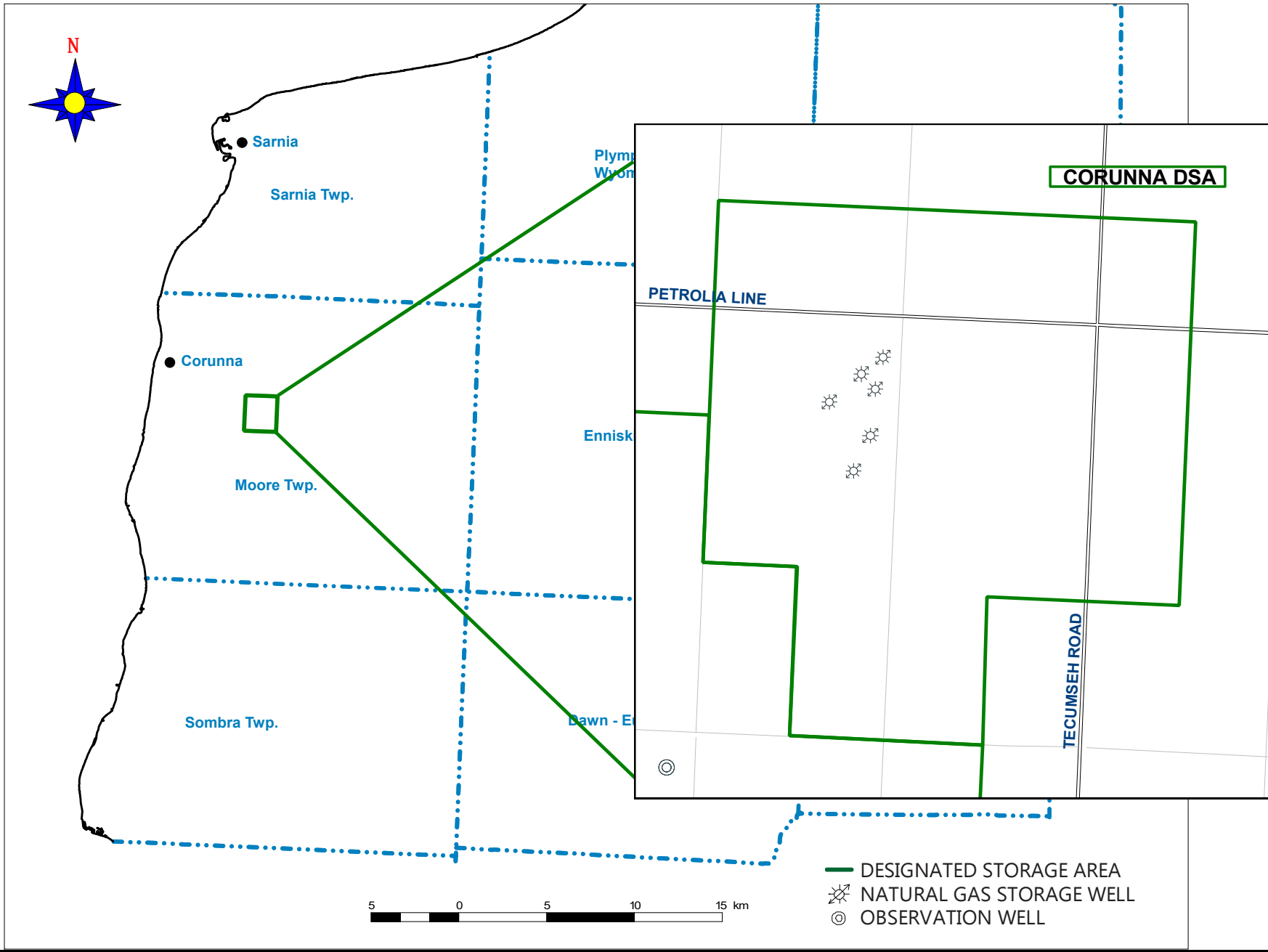
SCALE

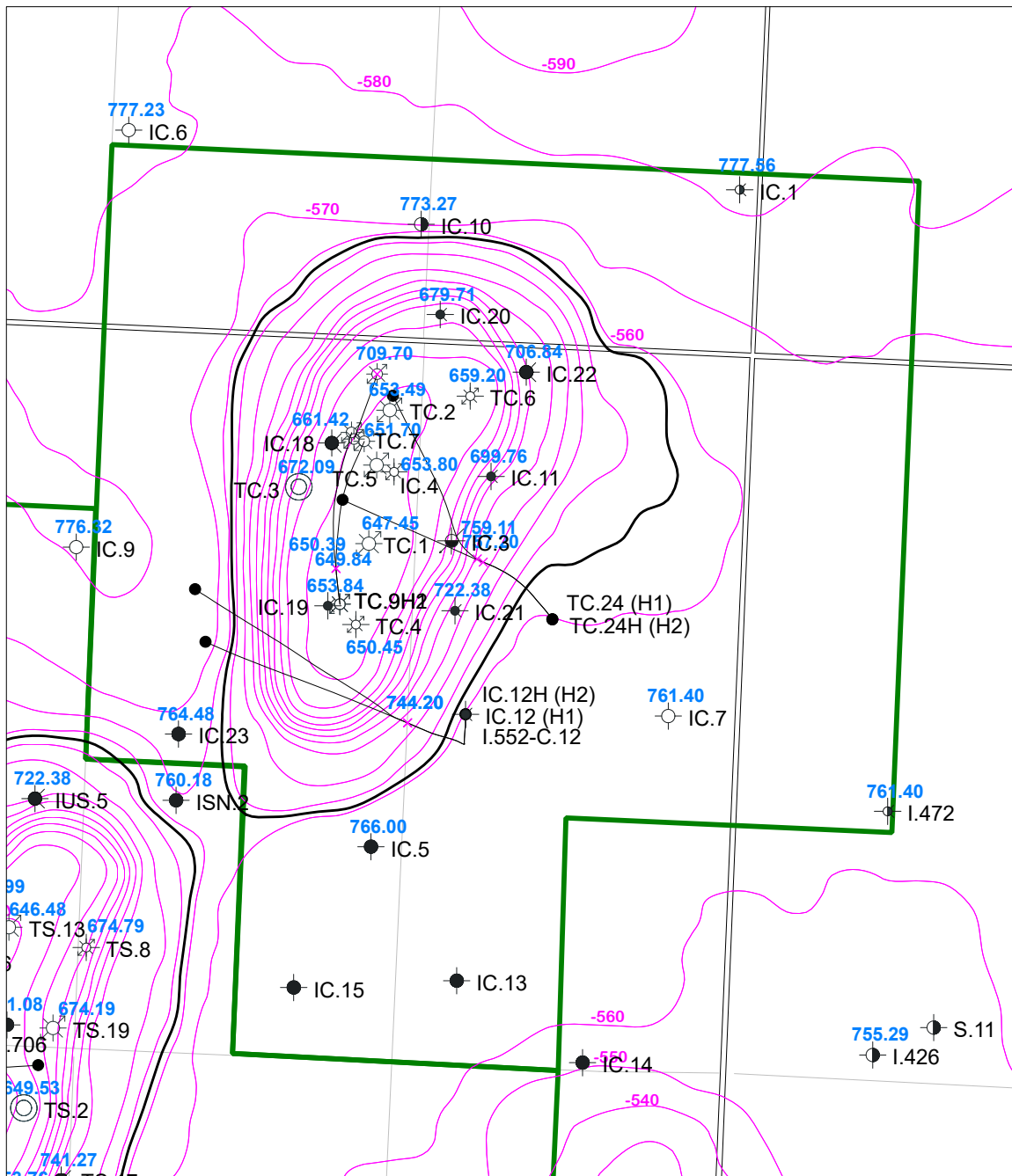


REMARKS	LADYSMITH POOL		
	GUELPH STRUCTURE AND DEPTH TO CREST		
DRAWN BY	DATE	SCALE	PROJECT CODE
SIGNED BY	DATE	SCALE	PROJECT CODE



GEOGRAPHICAL LOCATION OF THE CORUNNA DESIGNATED STORAGE AREA

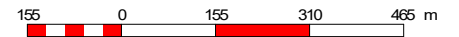




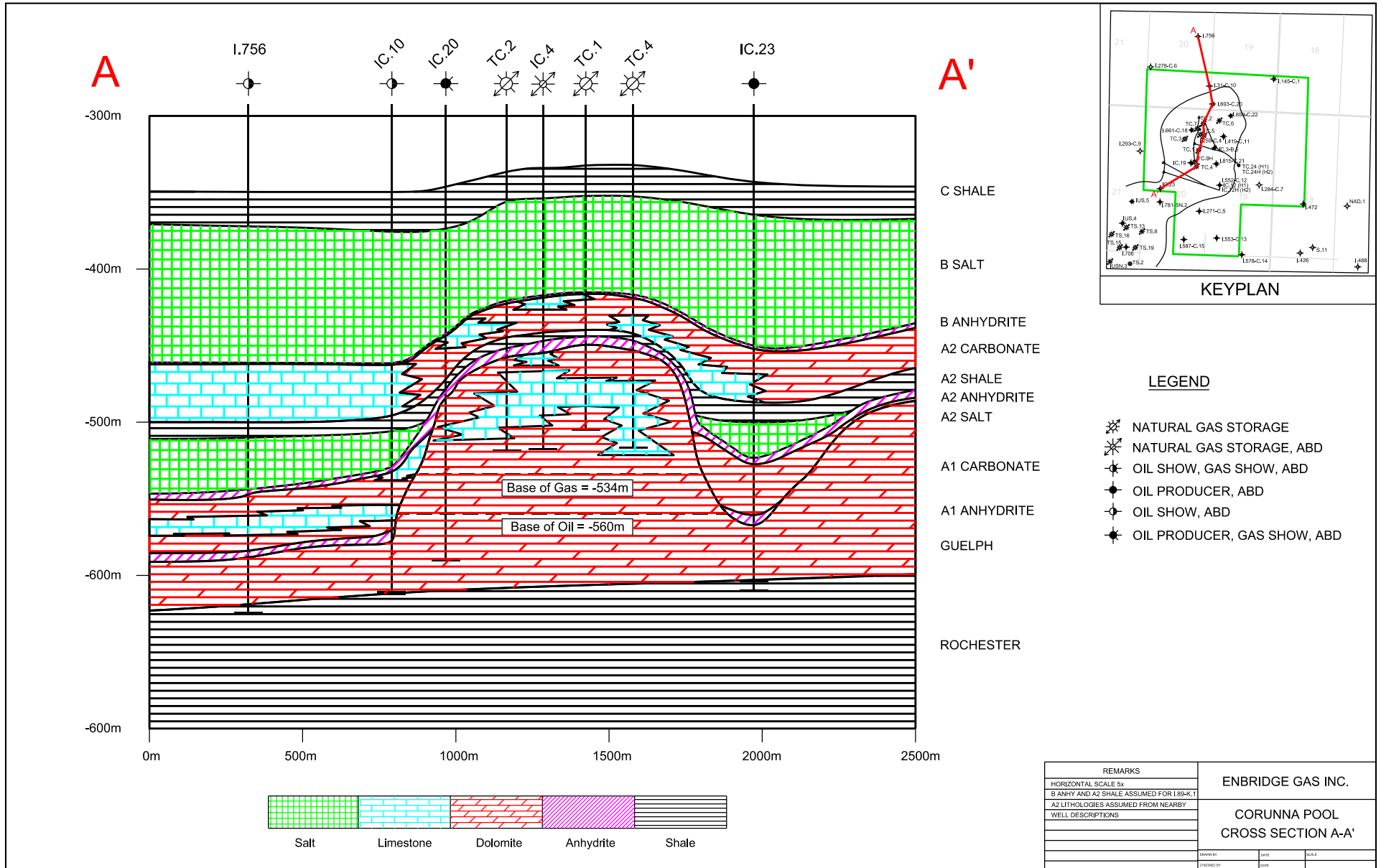
LEGEND

- 699.76 GUELPH DEPTH TO CREST
- GUELPH CONTOUR
- DSA - ENBRIDGE GAS INC
- GUELPH INTERCEPT
- REEF FOOTPRINT
- DRY HOLE, ABANDONED
- NATURAL GAS STORAGE
- NATURAL GAS STORAGE, ABANDONED
- OBSERVATION WELL
- OIL SHOW, ABANDONED
- OIL PRODUCER
- OIL PRODUCER, ABANDONED
- OIL SHOW, GAS SHOW, ABANDONED
- OIL PRODUCER, GAS SHOW
- OIL PRODUCER, GAS SHOW, ABANDONED
- HORIZONTAL WELL

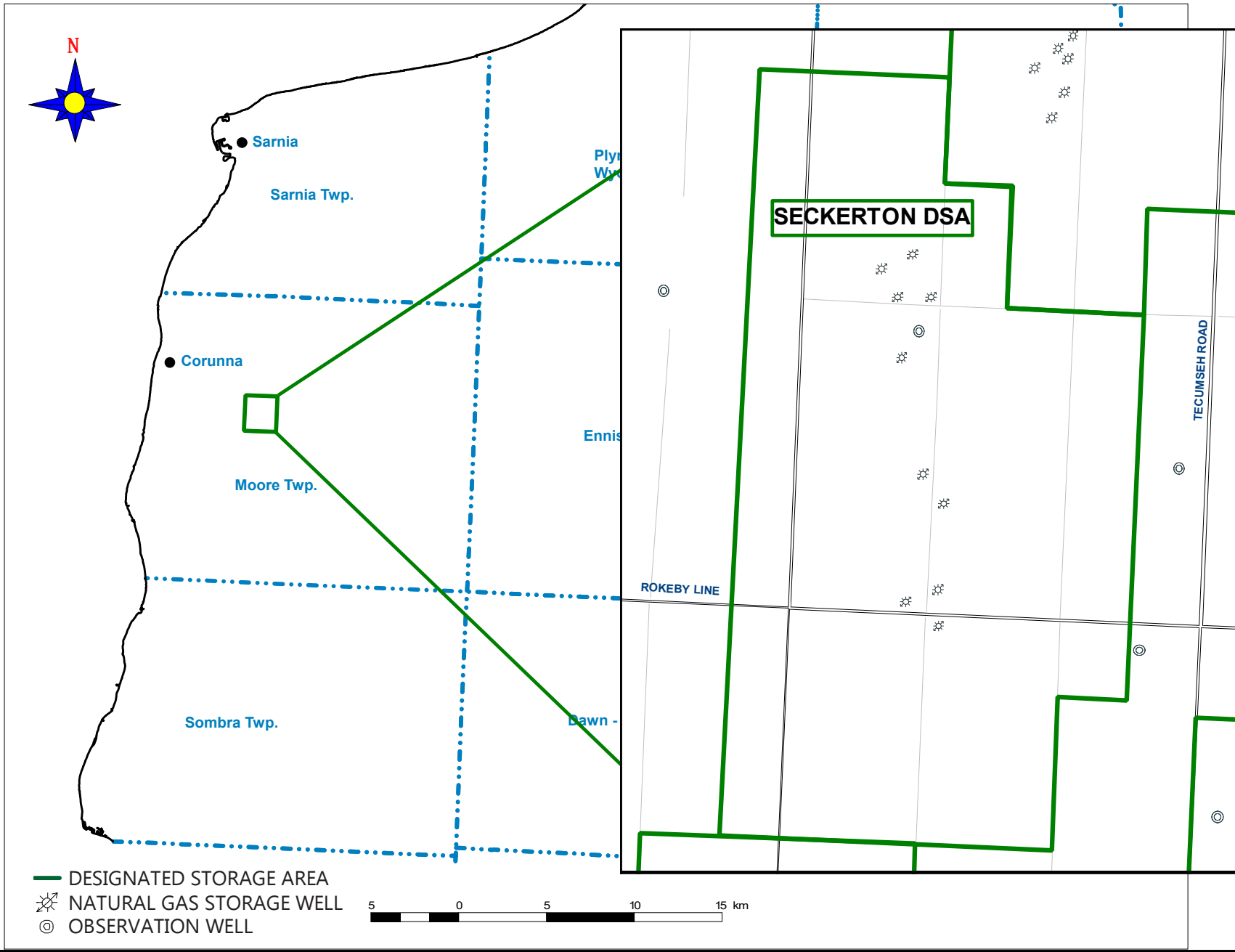
SCALE

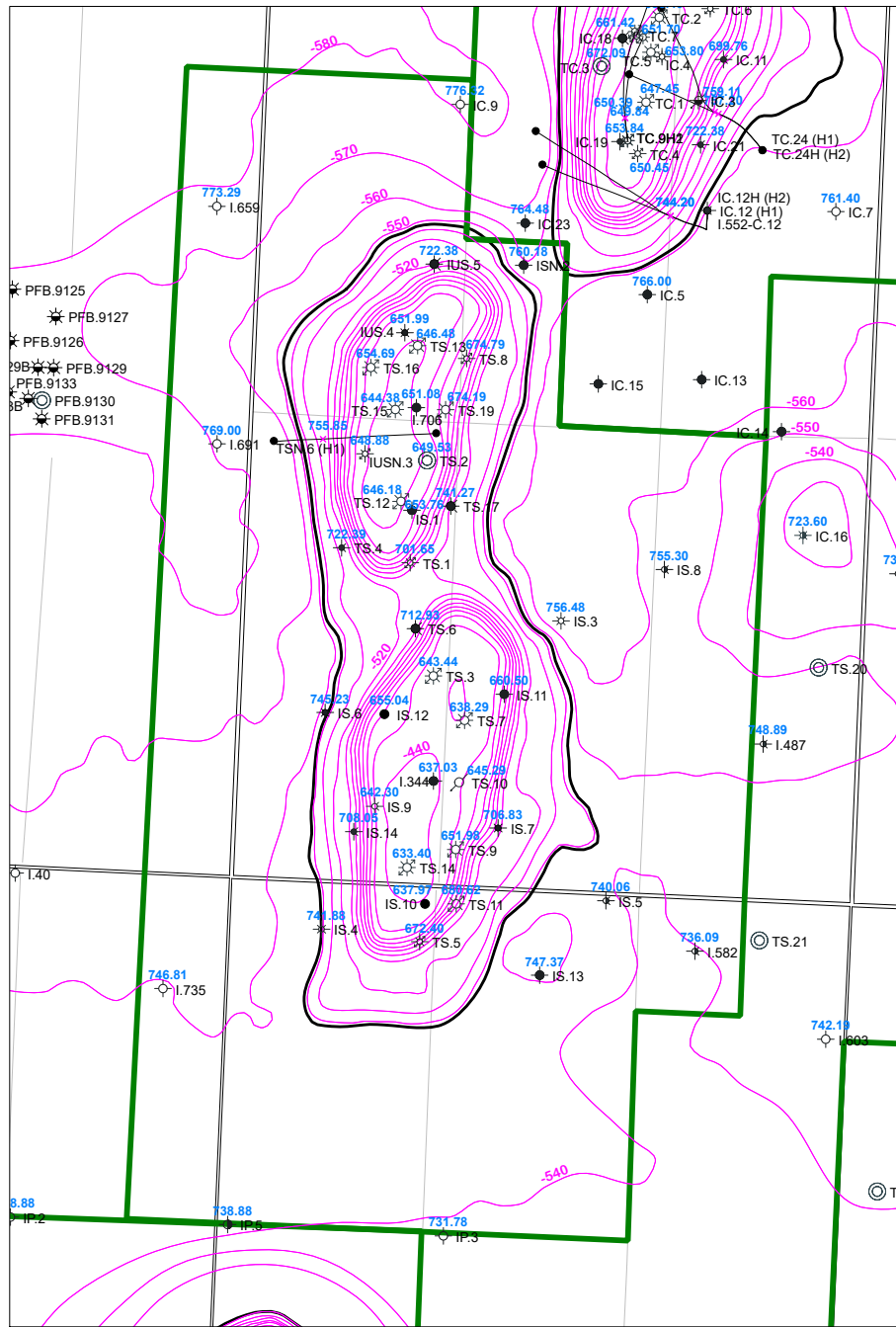


REMARKS	CORUNNA POOL		
	GUELPH STRUCTURE AND DEPTH TO CREST		
DRAWN BY	DATE	SCALE	
DESIGNED BY	DATE	PROJECT CODE	



GEOGRAPHICAL LOCATION OF THE SECKERTON DESIGNATED STORAGE AREA

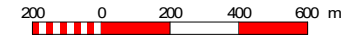




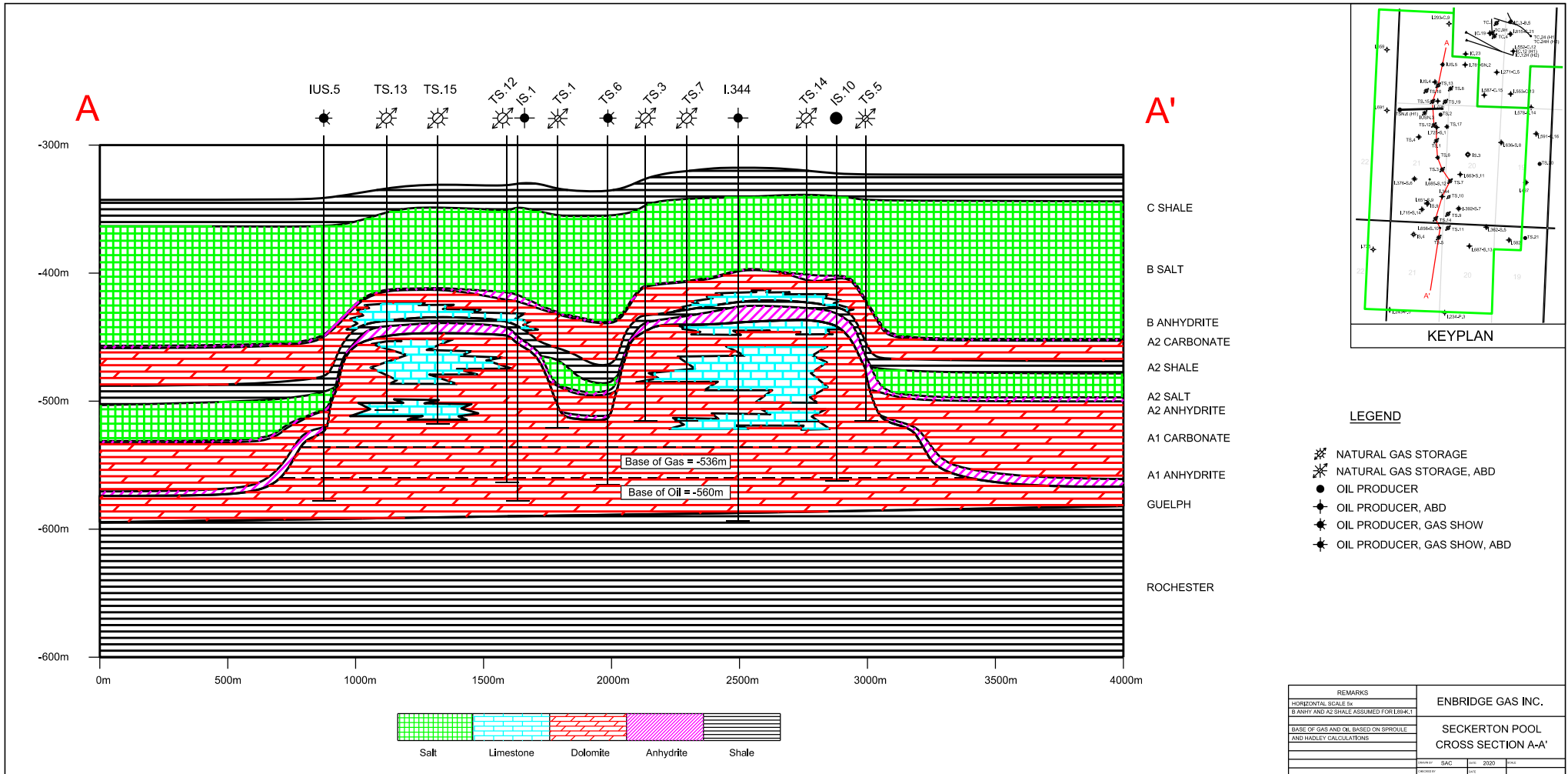
LEGEND

- 674.19 GUELPH DEPTH TO CREST
- GUELPH CONTOUR
- DSA - ENBRIDGE GAS INC
- GUELPH INTERCEPT
- REEF FOOTPRINT
- DRY HOLE, ABANDONED
- NATURAL GAS STORAGE
- NATURAL GAS STORAGE, ABANDONED
- OBSERVATION WELL
- INJECTION WELL
- OIL SHOW, ABANDONED
- OIL PRODUCER
- OIL PRODUCER, ABANDONED
- OIL SHOW, GAS SHOW, ABANDONED
- GAS PRODUCER, ABANDONED
- OIL PRODUCER, GAS PRODUCER, ABD
- OIL PRODUCER, GAS SHOW
- OIL PRODUCER, GAS SHOW, ABANDONED
- HORIZONTAL WELL

SCALE



REMARKS	SECKERTON POOL		
	GUELPH STRUCTURE AND DEPTH TO CREST		
DRAWN BY	DATE	SHEET	
CHECKED BY	DATE	PROJECT CODE	



GEOGRAPHICAL LOCATION OF LADYSMITH DESIGNATED STORAGE AREA (DSA)

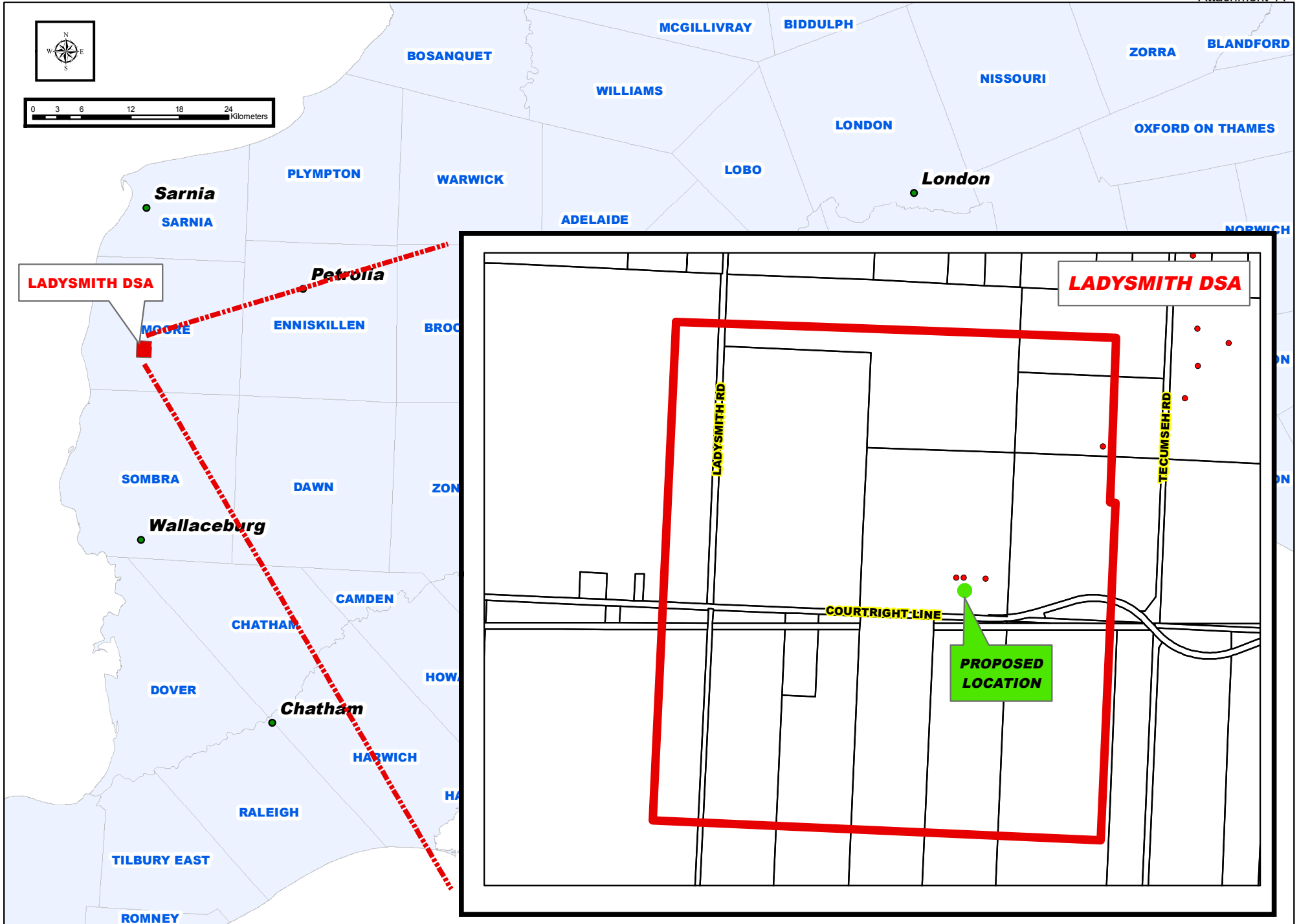
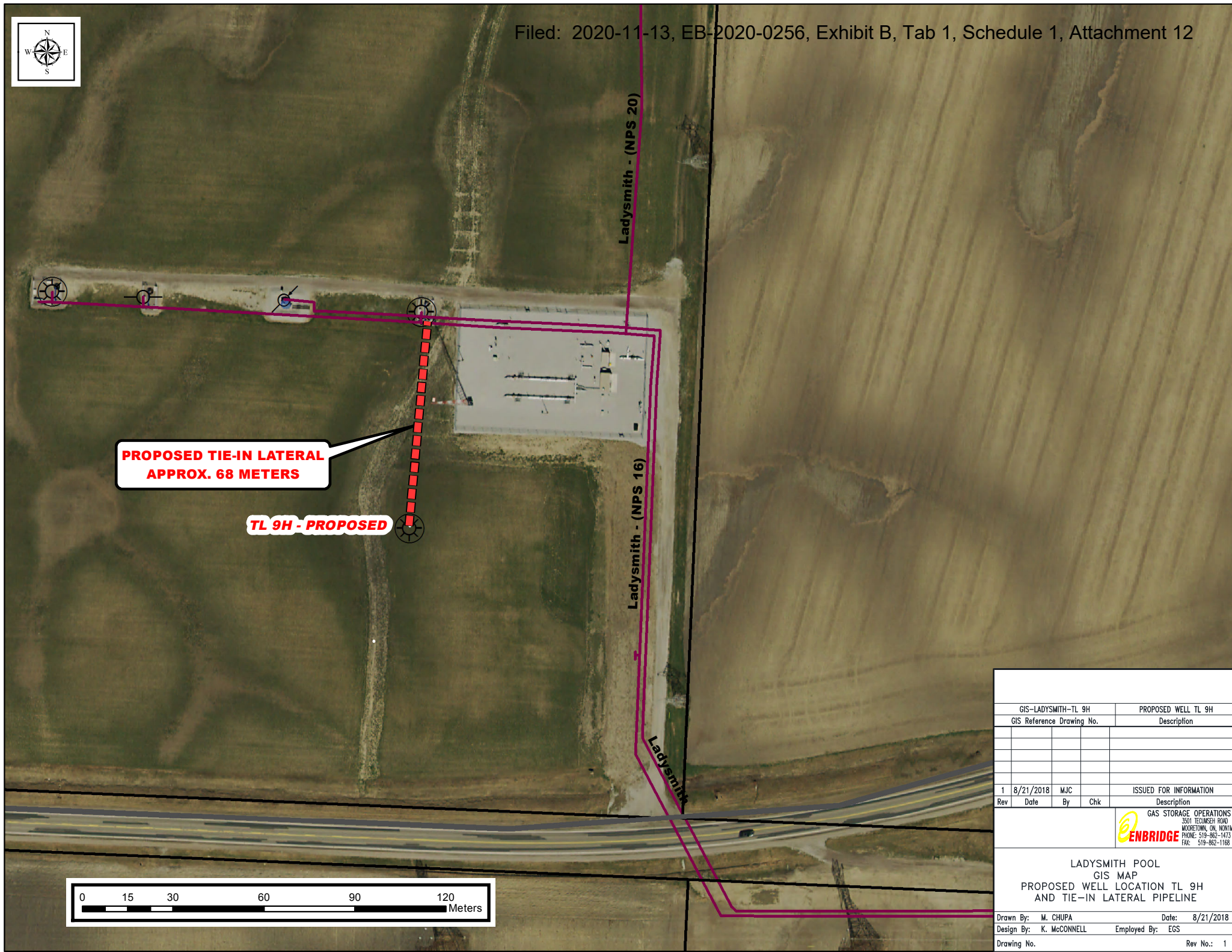



FIGURE 1



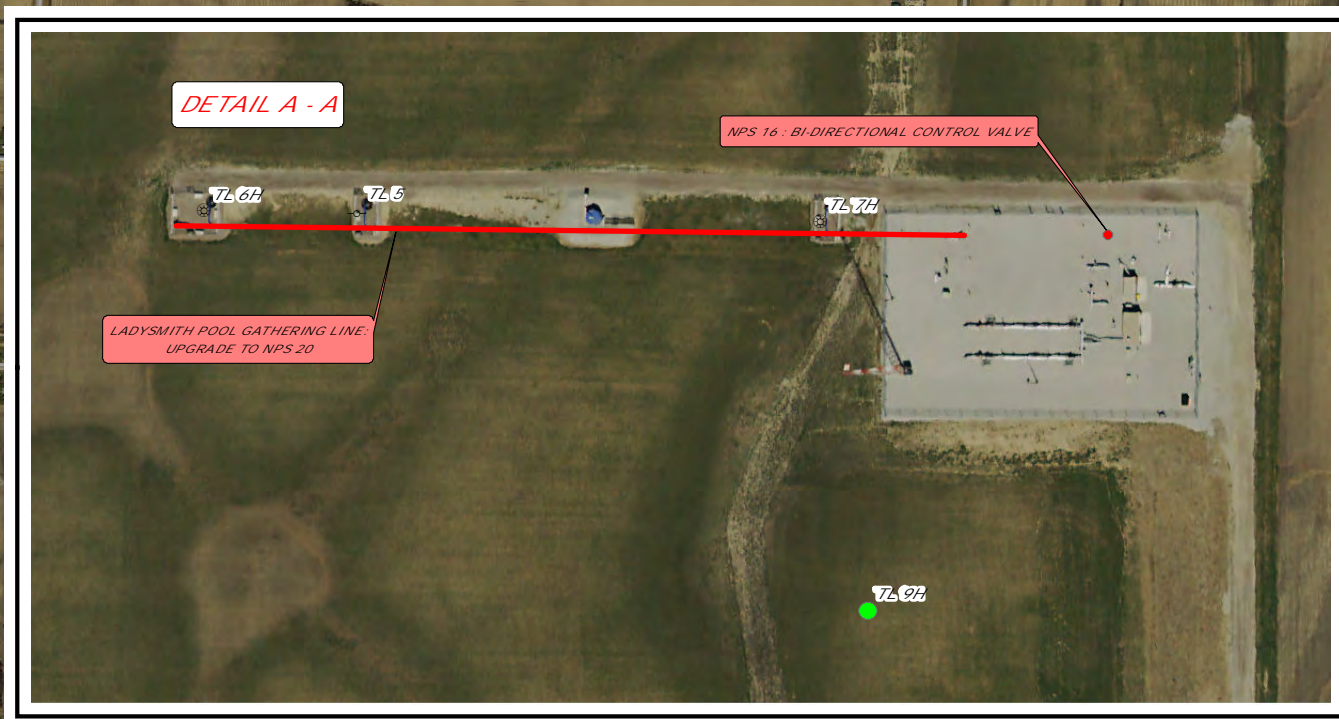
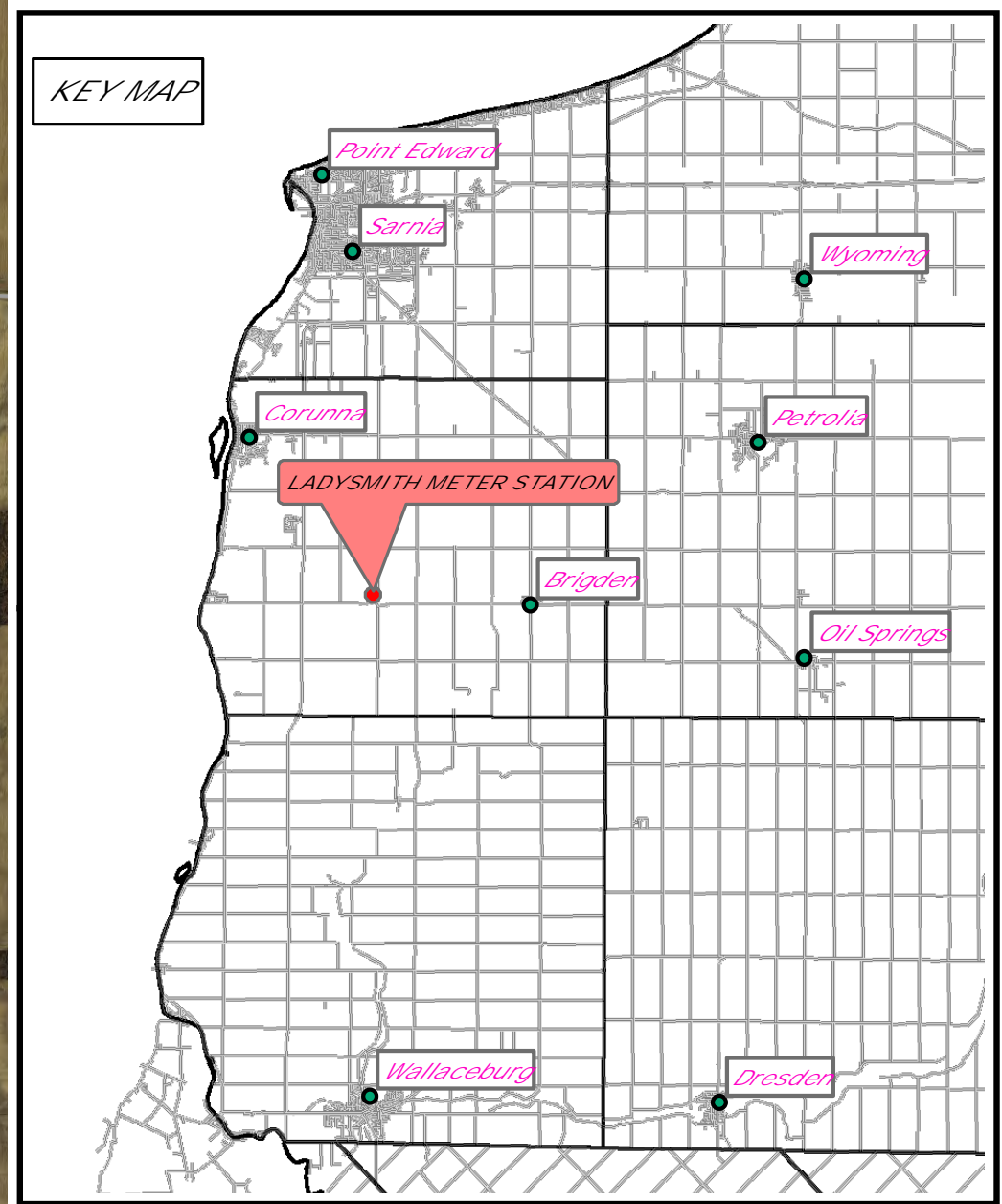
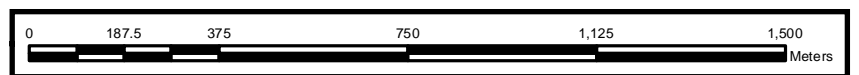
**PROPOSED TIE-IN LATERAL
APPROX. 68 METERS**

TL 9H - PROPOSED

GIS-LADYSMITH-TL 9H		PROPOSED WELL TL 9H	
GIS Reference Drawing No.		Description	
1	8/21/2018	MJC	ISSUED FOR INFORMATION
Rev	Date	By	Chk
			Description
 GAS STORAGE OPERATIONS 3501 TECHMESH ROAD WOODBURN, ON, N0W1M0 PHONE: 519-862-1473 FAX: 519-862-1168			
LADYSMITH POOL GIS MAP PROPOSED WELL LOCATION TL 9H AND TIE-IN LATERAL PIPELINE			
Drawn By: M. CHUPA		Date: 8/21/2018	
Design By: K. McCONNELL		Employed By: EGS	
Drawing No.		Rev No.: 1	



PROPOSED LADYSMITH GATHERING LINE & STATION MODIFICATIONS



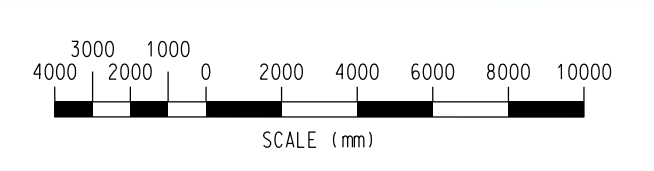


NEW EASEMENT
AREA = 0.38 ACRES

TEMPORARY LAND USE
AREA = 0.26 ACRES

NEW LAND
AREA = 0.16 ACRES

TEMPORARY LAND USE
AREA = 0.50 ACRES



PROPOSED MATERIAL ---
EXISTING MATERIAL ---

JR	2020-10-22	FOR INFORMATION ONLY
		PRELIMINARY
		ISSUED FOR BID
		ISSUED FOR CONSTRUCTION
		AS BUILT
		AS BUILT BY:
		CHECKED BY:

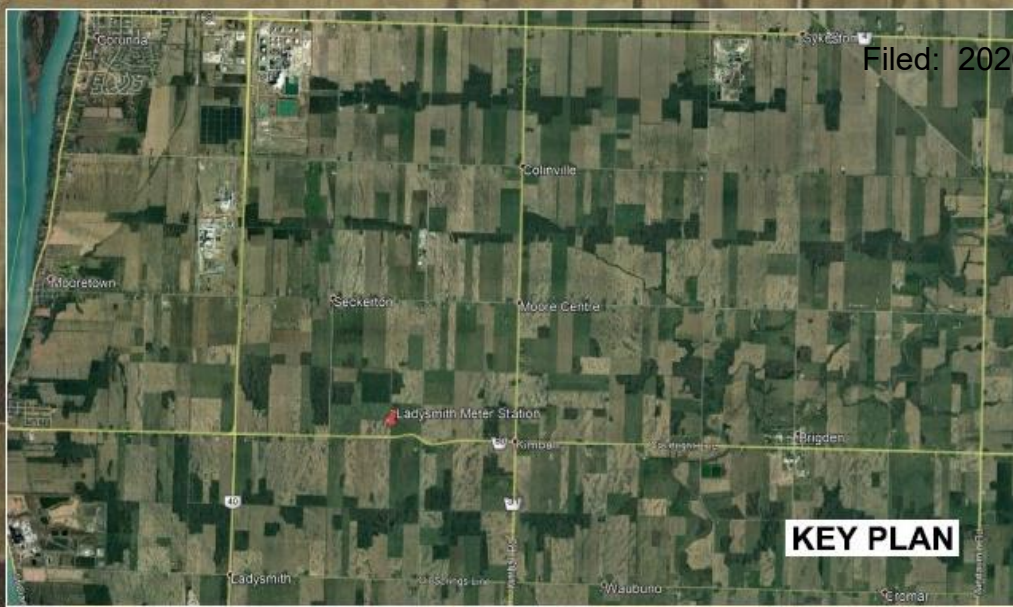
DESIGNER: J. RUTLEDGE

No.	DATE	BY	APP'D	REMARKS
REVISIONS				



2022 STORAGE ENHANCEMENT
1104 MOORE LINE - TWP. OF MOORE
PRELIMINARY PROPERTY DETAILS - OPTION 4

DRAWN BY: N. CARLATTI	DATE: 2020-10-16	PW SEQUENCE NO.:	D SIZE PLOT SCALE: 1:2000
CHECKED BY: J. RUTLEDGE	DATE: 2020-10-16	SHEET NO.:	STATION CLASS: AA
APPROVED BY:	DATE:	SYSTEM:	DISTRICT: STD
CORROSION:	DATE:	DRAWING NO.:	VS3421_PROPERTY_OPT4
STATION ID & NAME: 12F-501 PAYNE-KIMBALL TRANSMISSION STATION			

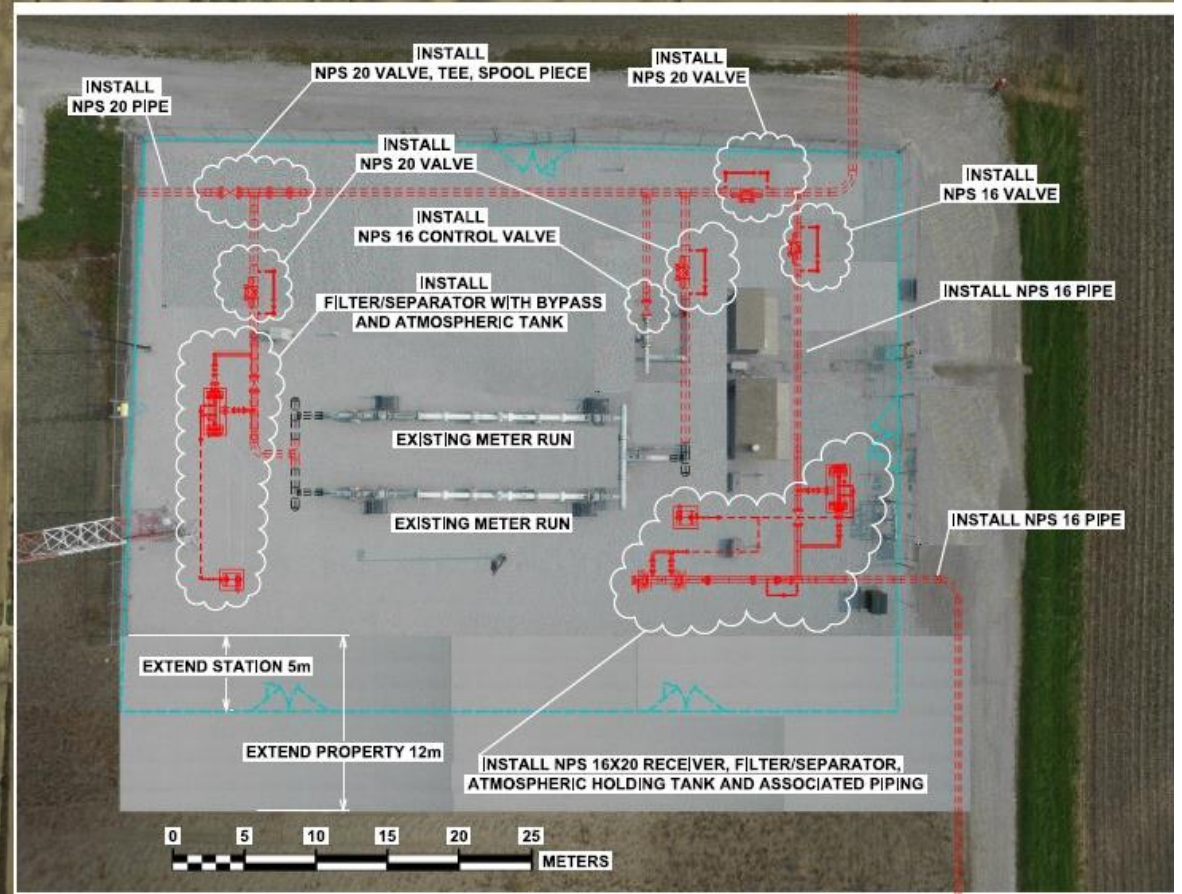


KEY PLAN

**PROPOSED LADYSMITH METER STATION MODIFICATIONS
DETAIL A**



**SEE DETAIL A
LADYSMITH METER STATION**



ENVIRONMENTAL

Environmental Report

1. An Environmental Report (“ER”) for the 2021/2022 Storage Enhancement Project (“Project”) was prepared by Aecom. The ER conforms to the Ontario Energy Board’s *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition, 2016* (“Guidelines”). A copy of the ER is set out as Attachment 1 to this Exhibit.

2. The objectives of the ER are to:
 - Describe the proposed work necessary for the Project;
 - Describe the procedures that will be followed during the construction of the facilities;
 - Identify potential environmental and socio-economic impacts and recommend measures to minimize those impacts; and
 - Describe the consultation activities undertaken for the Project.

3. The ER did not result in any significant environmental or socio-economic features being identified other than the potential occurrence of the following Species at Risk (“SAR”) and their habitat:
 - a. Four bird species: Bank Swallow, Barn Swallow, Eastern Meadowlark, and Bobolink
 - b. Four bat species: Eastern Small-footed Myotis, Little Brown Myotis, Northern Myotis, and Tri-colored Bat
 - c. Two reptile species: Butler’s Gartersnake and Eastern Foxsnake

4. Measures to protect non-SAR wildlife and wildlife habitat are presented in Tables 6-5 and 6-6 of the ER and are acceptable to all SAR and SAR habitat in the Project Study Area. Aecom will conduct site investigations in fall 2020 to confirm habitat suitability for SAR species and based on these investigations, additional mitigation and avoidance measures may be developed and implemented to avoid impacts to SAR. Enbridge Gas will adhere to any additional mitigation and avoidance measures recommended by Aecom resulting from future site investigations. If necessary, a permit or other authorization from the Ministry of the Environment, Conservation and Parks (“MECP”) will be obtained to ensure compliance with the *Endangered Species Act, 2007*.
5. With the implementation of the mitigation measures recommended in the ER and potential mitigation measures described in Section 4, as well as adherence to permit, regulatory and/or legislative requirements, the potential environmental and/or socio-economic impacts of the Project are not anticipated to be significant.
6. After the ER was completed, there were two changes to the scope of the project. First, the two new A-1 observation wells (TL 8 and TC 8) described in the ER are no longer included as part of the Project. Second, the existing Payne Storage Pool pipeline and Ladysmith Storage Pool pipeline were proposed to be connected at a new Crossover Station adjacent to the existing Payne/Kimball Station. Now, the two pipelines are proposed to be connected by re-routing the Ladysmith Storage Pool Pipeline into the Payne/Kimball Station. These scope changes do not affect the mitigation measures proposed in the ER as the two observation wells will be removed from the Project and the proposed pipeline connection will be in the same general location as the formerly proposed Crossover Station.

7. The ER was provided to the Ontario Pipeline Coordinating Committee (“OPCC”) and other applicable agencies on October 5, 2020. Enbridge Gas requested comments on the ER by November 16, 2020. To date, Enbridge Gas has received comments from the MECP, Infrastructure Ontario (“IO”), and Hydro One Networks Inc. (“HONI”). Please see Exhibit C, Tab 1, Schedule 1, Attachment 2 for a full summary of comments and Enbridge Gas responses to date.

Archaeological Assessment

8. A Stage 1 Archaeological Assessment (“AA”) for the Project was completed by Aecom and is presented in Appendix D in the ER. The AA determined that the potential for the recovery of both First Nation and Euro-Canadian archaeological resources within the current study area is high, and based on such findings a Stage 2 AA is recommended for all areas of potentially undisturbed land within the study area limits. The Stage 2 AA will commence in Fall 2020 and a clearance letter from the Ministry of Heritage, Sport, Tourism and Cultural Industries (“MHSTCI”) will be obtained prior to construction.

ENVIRONMENTAL REPORT

1. Due to the size of the Environmental Report (ER), a copy has been provided under separate cover. The ER can also be found electronically by accessing the link below.

<https://www.enbridgegas.com/-2021-2022 Storage Enhancement Project>

Summary of Comments Received on the Environmental Report and Responses Provided by Enbridge Gas Inc.

Contact Name	Method and Date of Communication	Summary of Comments/Questions	Response
Government Agencies			
Barb Slattery EA/Planning Coordinator Ministry of the Environment, Conservation and Parks (MECP)	Email/Letter of September 24, 2020	MECP provided an overview of topics to consider in the preparation of the Environmental Report (ER) that are of specific interest to the Ministry. Some of the items mentioned in their correspondence included appropriate approvals/licenses/permits, Species at Risk, source water protection and management of waste materials. In addition, the MECP provided a map of the study area with known environmental features that should be considered in the ER (i.e., waste disposal sites, water wells, permit to take water, natural features like swamps, etc.).	The items described in the letter were considered and integrated into the various sections of the ER. AECOM responded to the MECP via email/letter providing additional information regarding the Project and confirming where in the ER MECP could review specific areas of interest to the Ministry.
Frances Hallen Co-op Student, Environmental Management Infrastructure Ontario (IO)	Email of October 6, 2020	IO provided a list of properties that may be owned by the Minister of Government and Consumer Services within and adjacent to the Project's study area. IO advised that Enbridge should verify if government land would be impacted by the project and to notify IO accordingly.	AECOM and Enbridge examined the PINs provided by IO. It was confirmed that Hydro One Networks Inc. land would be needed as part of the Project. AECOM provided a response to IO via email confirming this and noted that Enbridge is setting up a meeting to discuss land / permitting requirements for their property.
Matey N. Matev Senior Network Management Officer Asset Optimization – Secondary Lad Use Hydro One Networks Inc. (HONI)	Email of October 19, 2020	HONI advised they have reviewed the ER and asked about potential impacts to their infrastructure. HONI requested more detailed project mapping and asked for the opportunity to meet.	Following submission of the Notice of Commencement, HONI requested detailed project mapping to assess potential impacts on their infrastructure. AECOM responded to the request and had a call with HONI which confirmed that the Draft ER submitted to HONI included sufficient mapping to allow them to screen the Project for potential impacts to their property or infrastructure. HONI responded following their review of the Draft ER requesting that Enbridge set up a meeting to discuss the project in more detail. On behalf of Enbridge, AECOM responded to this request by sending HONI proposed meetings dates and times to review the Project in more detail.

Attachments – Copies of Agency Comments

Ministry of the Environment, Conservation and Parks

Van der Woerd, Mark

From: Van der Woerd, Mark
Sent: November-02-20 2:43 PM
To: Slattery, Barbara (MECP)
Cc: Evan.Tomek@enbridge.com; Witt, Jordan
Subject: RE: Enbridge Gas Storage Project
Attachments: MECP Response-2020-11-02_Enbridge Storage Enhancement Project 60633149.pdf

Hi Barb,

Thanks again for providing your response to the Enbridge Storage Enhancement Project notice. Please find our response attached to this email. Please let us know if you have any questions or would like to discuss the Project in more detail.

Best,
Mark

Mark van der Woerd
AECOM Environment
mark.vanderwoerd@aecom.com
(289) 439-9803

From: Slattery, Barbara (MECP) <barbara.slattery@ontario.ca>
Sent: September-24-20 11:36 AM
To: Van der Woerd, Mark <Mark.VanderWoerd@aecom.com>
Subject: [EXTERNAL] Enbridge Gas Storage Project

Barb Slattery, EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
Project Review Unit, Environmental Assessment Branch
(356) 366-8185

We want to hear from you. How was my service? You can provide feedback at 1-888-745-8888.



AECOM
201 – 45 Goderich Road
Hamilton, ON, Canada L8E 4W8
www.aecom.com

905-578-3040 tel
905-578-4129 fax

October 30, 2020

Barb Slattery
EA/Planning Coordinator
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue W, 8th Floor
Toronto, ON M4V 1P5

Dear Ms. Slattery:

Regarding: Enbridge Gas Project Commencement for 2021/2022 Storage Enhancement Project

Thank you for your letter regarding the Enbridge Gas Inc. (Enbridge) 2021/2022 Storage Enhancement Project located in St. Clair Township, Ontario. We would like to thank the Ministry of the Environment, Conservation and Parks (MECP) for providing the information in your letter and including mandates that are expected to be included in the Environmental Report (ER) process for the Project. In response, we have outlined items from your letter in italics below and provided additional details regarding the Project and the ER below for your information:

1. Consideration of climate change in terms of both adaptation and mitigation

Natural gas is dependable and affordable energy that enhances people's quality of life and helps local business and industry prosper and grow. Enbridge operates within the regulatory framework developed by the OEB to ensure the climate change requirements put in place by both the Province of Ontario and the Federal Carbon Pricing Program are adhered to.

Although the ER does not anticipate direct impacts to climate change as part of the project, Enbridge is committed to taking measures towards creating cleaner energy for the environment through leading energy conservation programs, renewable energy, geothermal, renewable natural gas, hydrogen storage and natural gas vehicles.

2. Consideration of all approvals, permits, licenses etc. necessary to implement each of the improvements that have been identified.

Given the Project is in an area already used for industrial and agricultural purposes, it is anticipated that impacts to environmental features will be either avoided or mitigated through the application of construction best management practices. Enbridge and AECOM are working to evaluate potential environmental permits that may be required to support construction. If applicable, Enbridge will obtain any applicable Conservation Authority / MECP / Ministry of Natural Resources and Forestry (MNRF) and/or municipal permits required. More information about potential environmental features potentially impacted by the Project can be found in Section 6 and Tables 6-1 to 6-12 of the ER.

3. Consideration as to how existing source water protection features will need to be modified.

Impacts to existing source water protection features are not anticipated. Further mitigation measures for groundwater and surface water can be found in Sections 6.2.3 and 6.3.1.1 of the ER.

4. Consideration of how the construction of new infrastructure may affect Species at Risk and their habitats. In this regard, you are encouraged to contact the ministry's Species at Risk branch at SARSOntario@ontario.ca with a description of the scope of this EA so that you receive appropriate direction.

Potential effects and proposed mitigation measures to minimize or eliminate effects to aquatic and terrestrial Species at Risk (SAR) are included in the ER (Sections 6.3.1.3 and 6.4.1.3). AECOM will complete site specific habitat reviews to confirm if impacts to Species at Risk and their habitats is possible. Following this Enbridge and AECOM will reach out to the Species at Risk to review additional information, if needed.

5. Consideration of land use compatibility and separation distances for any new or expanded infrastructure that will result in noise, vibration or emissions into the atmosphere.

Long-term impacts to land use in the area are not anticipated. Potential effects on land use and proposed mitigation measures to minimize or eliminate noise, vibration or emission effects are included in Section 6.5.2 and Table 6-9 of the ER.

6. Management of waste materials, including those from the construction phase (e.g. excess oil and fuel), excavation (e.g. contaminated sediments/soils, non-operating and or operating landfills) and the operational phase of all works.

Plans to ensure proper management of waste materials, including during construction, are included into the ER in Section 6.5.7 and Table 6-12.

If you have any questions or require additional information, please contact me with the information below.

Sincerely,



Mark Van der Woerd
Senior Environmental Planner
Phone: 289-439-9803
Email: mark.vanderwoerd@aecom.com

CC: Evan Tomek - Enbridge Inc.
Jordan Witt - AECOM



Ministry of the Environment,
Conservation and Parks

Ministère de l'Environnement,
de la Protection de la nature
et des Parcs

Environmental Assessment Branch

Direction des évaluations
environnementales

1st Floor

135 St. Clair Avenue W
Toronto ON M4V 1P5

Tel.: 416 314-8001

Fax.: 416 314-8452

Rez-de-chaussée

135, avenue St. Clair Ouest

Toronto ON M4V 1P5

Tél. : 416 314-8001

Télééc. : 416 314-8452

356-366-8185

Via email only

September 24, 2020

Mark Van der Woerd
Senior Environmental Planner
AECOM

Re: Enbridge Gas
Project Commencement for 2021/2022 Storage Enhancement Project

Thank you for providing the ministry with a notice of project commencement for the work that is being undertaken to complete an environmental report (ER) to assess potential impacts that may result from this Project. You have indicated that the ER will be in accordance with the Ontario Energy Board's (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016).

It is understood that the project is needed to address increasing demand for natural gas by enabling Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations. In order to do so, the following is required:

- Increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton)
- Re-entering an existing well and converting it to a horizontal well, drilling an observation well
- Upgrading an existing natural gas gathering pipeline
- Installation of a bi-directional valve and station piping at an existing station
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

It is expected that the ER process will address the following areas that fall within the mandate of MECP:

- Consideration of climate change in terms of both adaptation and mitigation;
- Consideration of all approvals, permits, licences etc. necessary to implement each of the improvements that have been identified;
- Consideration as to how existing source water protection features will need to be modified;
- Consideration of how the construction of new infrastructure may affect Species at Risk and their habitats. In this regard, you are encouraged to contact the ministry's Species at Risk branch at SARSOntario@ontario.ca with a description of the scope of this EA so that you receive appropriate direction; and
- Consideration of land use compatibility and separation distances for any new or expanded infrastructure that will result in noise, vibration or emissions into the atmosphere.
- Management of waste materials, including those from the construction phase (e.g. excess oil and fuel), excavation (e.g. contaminated sediments/soils, non-operating and or operating landfills) and the operational phase of all works.

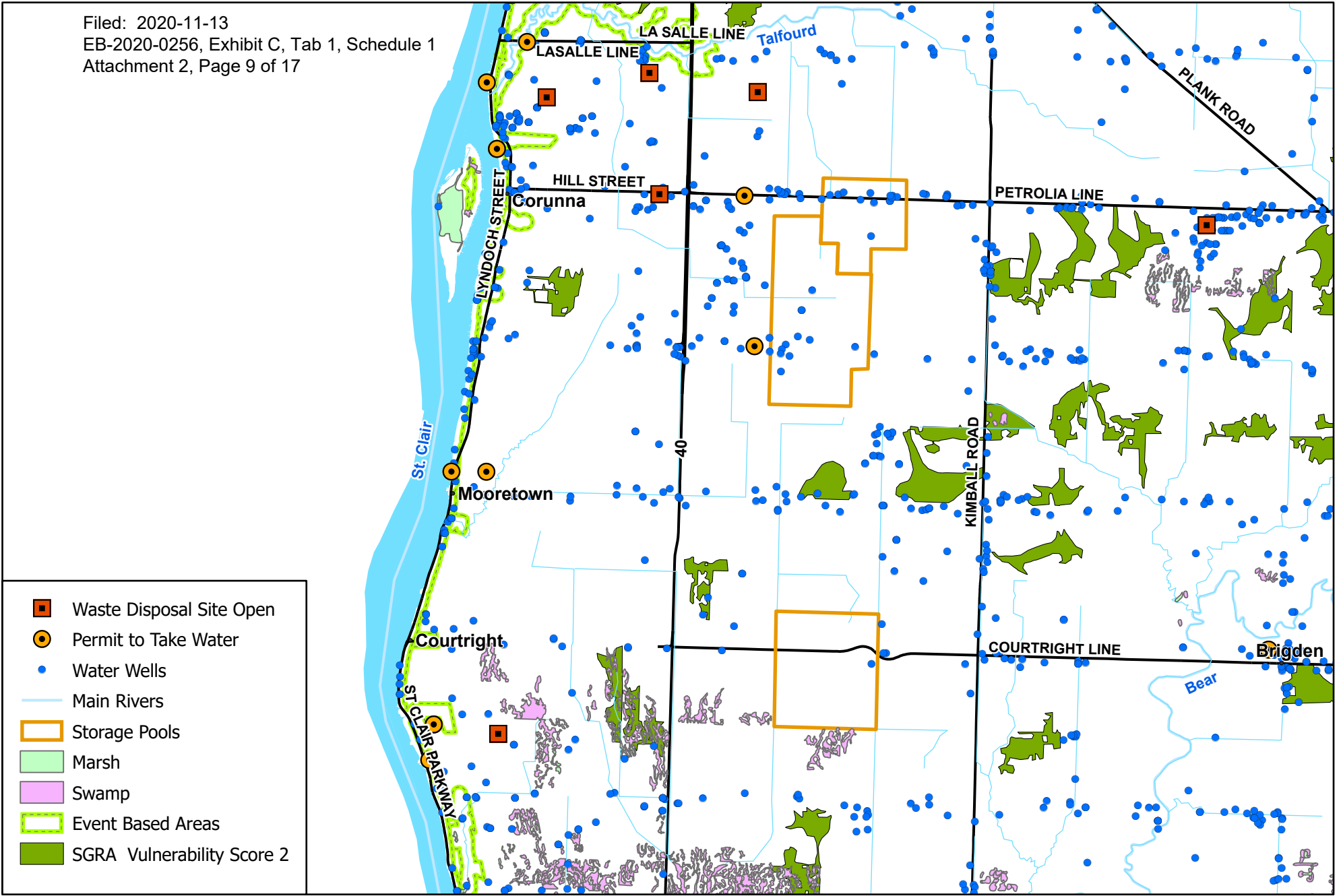
A map of the study area has been prepared using data that the ministry has access to. Please be mindful of the features that have been identified in your identification and assessment of impacts and proposed mitigation measures. Also, please note that the Ministry of Energy, Northern Development and Mines should be contacted for a list of First Nations communities that should be notified of the project and consulted with.










This concludes our comments. If you have any questions or require clarification on any of the points provided herein, please contact me at (365) 366-8185 or via email at Barbara.slattery@ontario.ca

With best regards,

Barbara Slattery

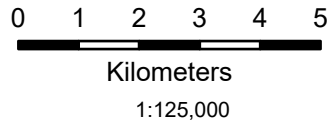
Filed: 2020-11-13
EB-2020-0256, Exhibit C, Tab 1, Schedule 1
Attachment 2, Page 9 of 17



-  Waste Disposal Site Open
-  Permit to Take Water
-  Water Wells
-  Main Rivers
-  Storage Pools
-  Marsh
-  Swamp
-  Event Based Areas
-  SGRA Vulnerability Score 2

September 23 2020
Southwest Region
Ministry of the Environment
Conservation and Parks

@ 2020 Queens's Printer for Ontario



Data Credits:
Roads: 2019 ORN
Rivers: MNRF
Storage Pools: Enbridge Gas Inc
All Other Data: MECP

Enbridge_Gas_Storage_Enhancement_Project

Infrastructure Ontario

Van der Woerd, Mark

From: Van der Woerd, Mark
Sent: November-02-20 2:56 PM
To: Hallen, Frances (IO)
Cc: Evan.Tomek@enbridge.com; Witt, Jordan
Subject: RE: EA Notice Response - Natural Gas Storage Enhancement

Hi Frances,

Thank you for providing your response to the Notice of Commencement for the Enbridge Storage Enhancement Project.

Following the review of PINs that you provided below, we determined that easements and temporary land use agreements to support construction will be required on land owned by Hydro One / Hydro One Networks Inc (HONI). We have been in correspondence with HONI and are working to setup a meeting to discuss the project in more detail, including understanding permitting / land requirements. We are not aware of other property owned by the Ministry of Government and Consumer Services that could be required or impacted by the Project.

Please let us know if you have any additional information that should be considered or if you have questions that you would like to discuss.

Sincerely,
Mark

Mark van der Woerd
AECOM Environment
mark.vanderwoerd@aecom.com
(289) 439-9803

From: Hallen, Frances (IO) <Frances.Hallen@infrastructureontario.ca>
Sent: October-06-20 11:48 PM
To: Van der Woerd, Mark <Mark.VanderWoerd@aecom.com>
Subject: [EXTERNAL] EA Notice Response - Natural Gas Storage Enhancement

Good evening,

Thank you for sending us the Notice of Commencement for the Natural Gas Storage Enhancement in the County of Lambton.

Our initial scan indicates that property owned by the Minister of Government and Consumer Services is within and adjacent to your project's study area. These properties are identified as the following Pins:

- Pin #: 432890700
- Pin #: 432950107
- Pin #: 432950089
- Pin #: 432950130
- Pin #: 432950131
- Pin #: 432980105
- Pin #: 432980104
- Pin #: 432980103
- Pin #: 432980129
- Pin #: 432980130

- Pin #: 432980098
- Pin #: 432980071
- Pin #: 432980069
- Pin #: 432980068
- Pin #: 432980066
- Pin #: 432980065
- Pin #: 432980063
- Pin #: 432980062
- Pin #: 432980061
- Pin #: 432980059
- Pin #: 432980057
- Pin #: 432980056
- Pin #: 432980055

While these pins were identified in our scan, it is ultimately the proponent's responsibility to verify if provincial government property is within the study area. Title documents may identify owners of provincial government property as any of the following:

- His Majesty the King
- Her Majesty the Queen
- Hydro One
- Hydro One Networks Inc.
- Management Board Secretariat (MBS)
- Minister of Economic Development, Employment and Infrastructure (MEDEI)
- Minister of Energy and Infrastructure (MEI)
- Minister of Government and Consumer Services (MGCS)
- Minister of Infrastructure (MOI)
- Minister of Natural Resources and Forestry (MNRF)
- Minister of Public Infrastructure Renewal (PIR)
- Minister of Public Works
- Minister of Transportation (MTO)
- Ontario Lands Corporation (OLC)
- Ontario Realty Corporation (ORC)

If provincial government property in the study area is not required for the project, please continue to consult us as a directly affected stakeholder. However, if government property is required for the project, the proponent should contact us so that we can advise about requirements for obtaining government property.

Yours Sincerely,

Frances Hallen



Frances Hallen (she, her)
Infrastructure Ontario
Co-op Student, Environmental Management

Frances.Hallen@infrastructureontario.ca

Mobile: 613-252-7678

www.infrastructureontario.ca

Follow IO at:   

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Hydro One

Van der Woerd, Mark

From: Van der Woerd, Mark
Sent: November-02-20 3:20 PM
To: SecondaryLandUse@HydroOne.com
Cc: Evan.Tomek@enbridge.com; Renee.Pettigrew@HydroOne.com;
Jennifer.Trotman@hydroone.com; Chantelle Rodger; Chris.Pincombe@enbridge.com;
Witt, Jordan
Subject: RE: EGI Storage Enhancement Project

Hi Matey,

Thanks for confirming your interest to meet to discuss the Enbridge Storage Enhancement Project. Would either of the dates or times listed below work for you to meet? If so, I can send an appointment for the group.

- November 5: 3:30 – 4:30 p.m. EST
- November 10: 10:00 – 11:00 a.m. EST

Have a great afternoon,
Mark

Mark van der Woerd
AECOM Environment
mark.vanderwoerd@aecom.com
(289) 439-9803

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: October-19-20 10:52 AM
To: Van der Woerd, Mark <Mark.VanderWoerd@aecom.com>
Cc: Witt, Jordan <Jordan.Witt@aecom.com>; Evan.Tomek@enbridge.com; Brian.Lennie@enbridge.com;
Renee.Pettigrew@HydroOne.com; Jennifer.Trotman@hydroone.com; SecondaryLandUse@HydroOne.com
Subject: [EXTERNAL] RE: EGI Storage Enhancement Project

Good morning Mark,

We have reviewed the submission for the new facilities and have some questions which we would like to discuss with you and your team.

Could you please provide us with a few dates/times which are available for us to have discussion?

Thanks

Matey

Matey N. Matev, MBA
Senior Network Management Officer
Asset Optimization – Secondary Land Use

Hydro One Networks Inc.

483 Bay Street, North Tower, 13th Floor
Toronto, ON, M5G 2P5

Tel: (416) 345-6709
Fax: (416) 345-6077
Email: matey.matev@HydroOne.com

www.HydroOne.com

From: Van der Woerd, Mark <Mark.VanderWoerd@aecom.com>
Sent: Wednesday, October 7, 2020 12:47 PM
To: SECONDARY LAND USE Department <SecondaryLandUse@HydroOne.com>
Cc: Witt, Jordan <Jordan.Witt@aecom.com>; Evan Tomek <Evan.Tomek@enbridge.com>; Brian Lennie <Brian.Lennie@enbridge.com>; PETTIGREW Renee <Renee.Pettigrew@HydroOne.com>; ORIOTIS Jim <Jim.Oriotis@HydroOne.com>
Subject: RE: EGI Storage Enhancement Project

***** Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *****

Good afternoon,

I had a chance to speak with Renee Pettigrew this morning about the Enbridge Gas Inc 2021/2022 Storage Enhancement Project. She has confirmed receipt of the Environmental Report which included detailed mapping that HONI requested. If upon review further questions arise, please do not hesitate to reach out to me directly to discuss.

Have a great day,
Mark

Mark van der Woerd
AECOM Environment
mark.vanderwoerd@aecom.com
(289) 439-9803

From: Van der Woerd, Mark
Sent: September-02-20 1:36 PM
To: 'Jim.Oriotis@HydroOne.com' <Jim.Oriotis@HydroOne.com>
Cc: Witt, Jordan <Jordan.Witt@aecom.com>; 'Evan Tomek' <Evan.Tomek@enbridge.com>; Brian Lennie <Brian.Lennie@enbridge.com>
Subject: RE: EGI Storage Enhancement Project

Hi Jim,

Thanks for confirming receipt of our letter and outlining next steps for your review. We are currently working to put together some detailed mapping that shows the proposed works in relation to HONI infrastructure. We will send this along via email for your review. In the meantime, please feel free to reach out if you have questions or want to discuss the project.

Kind regards,
Mark

Mark van der Woerd
AECOM Environment
mark.vanderwoerd@aecom.com
(289) 439-9803

From: Jim.Oriotis@HydroOne.com <Jim.Oriotis@HydroOne.com>
Sent: August-26-20 9:33 AM
To: Van der Woerd, Mark <Mark.VanderWoerd@aecom.com>
Cc: Witt, Jordan <Jordan.Witt@aecom.com>
Subject: [EXTERNAL] EGI Storage Enhancement Project

Hello Mr. Van der Woerd,

I am in receipt of your letter notice of environmental report re Expansion of Enbridge Gas facilities in St Clair Township.

To receive Hydro One's technical comments / approval please provide me with detailed drawings showing proposed work in relation to all Hydro One transmission corridors / plant.

Thank you.

Jim



Jim Oriotis
Senior Real Estate Coordinator
Southwest Ontario & Niagara Region
Hydro One Networks Inc.
185 Clegg Road
Markham, ON L6G 1B7
Tel: 905.946.6261
Cell: 647.938.6261
Fax: 905.946.6242
Email: jim.oriotis@hydroone.com

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DESIGN AND CONSTRUCTION

General Pipeline Installation, Testing and Design Parameters

1. All design, installation and testing of the proposed pipelines will be in accordance with the requirements of Ontario Regulation 210/01 Oil and Gas Pipeline Systems (“Regulation”) under the *Technical Standards and Safety Act, 2000*. This Regulation governs the installation of pipelines in Ontario.
2. The design meets or exceeds the requirements of CSA Z662 Standard for Oil and Gas Pipeline Systems (latest edition) (“CSA Z662”) in accordance with the Code Adoption Document under the Regulation.
3. The Regulation includes a classification system on land use and population density to determine the appropriate design factors where applicable. A class location unit is defined as the area that extends 200 meters on either side of the centreline of any continuous 1.6 kilometer length of pipeline. As applicable, Class Location Designations will be in accordance with Table 4.1 of CSA Z662-15.
4. The minimum depth of cover from top of pipe to final grade will be in accordance with Section 4.11 Cover and Clearance in Table 4.9 of the applicable current edition of CSA Z662. Additional depth of cover will be provided to accommodate planned or existing underground facilities, or in specific areas in compliance with applicable regulatory standards.
5. No blasting is anticipated along the proposed pipeline route.
6. The proposed pipelines will be pressure tested hydrostatically with water after installation. Testing will adhere to the requirements of CSA Z662 Section 8 at a

minimum. Sources for hydrostatic test water have not yet been determined. Any water taken from the environment for hydrostatic testing will be reviewed as part of the Permit to Take Water issued by the Ministry of Environment Conservation and Parks and will comply with all conditions of the permit.

7. After the test water is removed, the line will be dried. The pipeline will be checked for defects, this may include but will not be limited to, the use of a caliper tool. Cathodic protection will be applied to the completed pipelines.
8. Enbridge Gas anticipates no concerns with obtaining material for the pipeline component of the Project within the proposed timelines. Enbridge Gas also anticipates no concerns with obtaining a contractor to complete construction.
9. Enbridge Gas will construct the proposed pipeline in compliance with engineering design, its current construction procedures and specifications, environmental mitigation identified in the Environmental Report, permit conditions and commitments to regulators and landowners. Enbridge Gas continuously updates and refines its construction procedures and specifications and complies with environmental mitigation recommended to minimize potential impacts to the environment and land.
10. An Enbridge Gas Landowner Relations Agent (“LRA”) will contact each landowner along the route prior to construction to obtain site specific requirements such as access points. This information is included in the construction contract so that the pipeline contractor is contractually obligated to fulfill all commitments made to the landowner.

11. As part of the construction plan, each landowner with agricultural land impacted by the Project will be consulted to understand the impact to field tiling. This could result in the need to install tiling prior to construction (pre-construction tiling) to ensure field drainage systems and farm operations are not disrupted during construction. Enbridge Gas retains a qualified drainage consultant to determine if a property that contains a field drainage system could benefit from pre-construction tiling. The Enbridge Gas drainage consultant will be contacting landowners to discuss their tile needs. Landowner approval is required for tiling work conducted outside of the easement. The drainage consultant will prepare a tiling plan and provide a copy of the plan to both Enbridge Gas and the landowner.

12. All necessary permits, approvals and authorizations will be obtained by Enbridge Gas at the earliest appropriate opportunity. Enbridge Gas expects to receive all required approvals prior to commencing construction of the Project. Enbridge Gas will assign inspection staff to ensure that contractual obligations between Enbridge Gas and the pipeline contractor, provincial ministries, municipal government and landowners are complied with.

RATES AND PROJECT FINANCING

1. The entire Project will form part of Enbridge Gas' unregulated storage operations. These upgrades will be funded by Enbridge Gas' shareholders. All costs associated with the Project will be captured in the unregulated accounts and no costs of the Project will be charged to the regulated utility accounts. Therefore there will be no rate impact to Enbridge Gas utility customers from the Project.

LAND USE REQUIREMENTS

Land Use – General

1. Land use requirements for the 2021/2022 Storage Enhancement Project (“Project”) consists of the construction of gravel pads, temporary work space and access lanes.

Horizontal Well – TL9H

2. For well TL 9H, Enbridge Gas must construct the following features:
 - The existing gravel pad temporary work space area approximately 76 m x 76 m with a silt fence around the perimeter will be reduced to approximately 11 m x 5.5 m once the drilling of well TL 9H is complete.
 - A temporary lateral work space area approximately 130 m x 30 m in order to allow the construction of the pipeline that will connect well TL 9H to the Ladysmith gathering pipeline; and
 - A 6 m wide x 70 m long permanent gravel lane will be constructed off of the existing gravel lane in order to allow access to the well site.
3. Exhibit C, Tab 1, Schedule 1, Attachment 1, Appendix A shows the features to be constructed for well TL 9H.

Upgrade Existing Gathering System – NPS 16 to NPS 20

4. For the gathering system upgrade, Enbridge Gas must construct the following features:
 - A temporary lateral work space area approximately 150 m x 30 m in order to allow the construction of the NPS 20 pipeline that will replace the NPS 16 pipeline.
5. Exhibit C, Tab 1, Schedule 1, Attachment 1, Appendix A shows the features to be constructed for the gathering system upgrade.

NPS 16 Bi-directional Valve and Station Piping – Ladysmith Station

6. For the bi-directional valve and piping, Enbridge Gas will work within the existing station and no additional land will be disturbed.
7. Attachment 2 to this Exhibit sets out the Affidavit of Title Search for the Ladysmith DSA.

Crossover Installation - Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline

8. For the crossover installation Enbridge Gas must construct the following features:
 - Approximately 0.38 acres permanent easement will be required.

- A temporary lateral work space area of 20m wide along the full length of the easement
- Approximately 0.7 acres of land will be purchased. Negotiations are ongoing with the landowner.

9. Exhibit C, Tab 1, Schedule 1, Attachment 1, Appendix A shows the features to be constructed for the pipeline.

2.2 km NPS 24 Natural Gas Pipeline - Connect the Payne Storage Pool to the Corunna Compressor Station

10. For 2.2 km NPS 24 Natural Gas Pipeline, Enbridge Gas must construct the following features:

- Approximately 2.2km x 20m permanent easement will be required.
- A temporary lateral work space area of 5m on either side of the easement

11. Exhibit C, Tab 1, Schedule 1, Attachment 1, Appendix A shows the features to be constructed for the pipeline.

Delta Pressuring Corunna & Seckerton Pools

12. For delta pressuring the Corunna and Seckerton Pools, Enbridge Gas Inc. (Enbridge Gas) must construct the following features:

- A temporary laneway and working area constructed of steel plating laid on top of the existing agricultural field to wells TS 13, TC 7, TC 5 and TC

1 in the Corunna and Seckerton DSA. The working area is shown in Exhibit C, Tab 1, Schedule 1 Attachment 1 Appendix A.

- All other wells will be accessed via existing gravel laneways.

13. Exhibit C, Tab 1, Schedule 1, Attachment 1, Appendix A shows the features to be constructed for the delta pressuring.
14. Attachment 1 to this Exhibit sets out the Affidavit of Title Search for all affected parties, and Attachment 2 to this Exhibit identifies only the directly affected parties from the Affidavit of Title Search.

Negotiations to Date

15. Enbridge Gas land agents have contacted the parties directly impacted by the Project. The parties are a tenant farmer (in the case of well TL 9H, station upgrade, bi-direction valve & station piping) and third party landowners (in the case of the 2.2km NPS 24 pipeline and the crossover installation).
16. On November 2, 2020 Enbridge Gas received a letter informing it that six of the third party landowners, in the case of the 2.2km NPS 24 Pipeline, have engaged Canadian Association of Energy and Pipeline Landowner Associations (“CAEPLA”) to represent their interests. Enbridge Gas is planning to have a preliminary meeting with CAEPLA the week of November 23, 2020.

*Horizontal Well – TL9H, Upgrade Existing Gathering System – NPS 16 to NPS 20,
NPS 16 Bi-directional Valve and Station Piping – Ladysmith Station*

17. Enbridge Gas owns the property upon which the work will take place. The lands are leased to a local farmer who was notified of the Project and will be notified again of the work once Enbridge Gas receives approval to drill the well.

Crossover Station - Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline

18. Enbridge Gas owns the property upon which the Crossover Station work will take place, however there will be some minor pipe installation on private property which will require easements, a temporary land use agreement (“TLU”) and additional land to be purchased.

2.2 km NPS 24 Natural Gas Pipeline - Connect the Payne Storage Pool to the Corunna Compressor Station

19. Eight properties will be affected by the pipeline, one of which Enbridge owns and rents to a local farmer. The local farmer has been notified.
20. The other 7 properties are owned by 6 landowners who have all been notified and negotiations for TLU and an easement are ongoing.

EB-2020-_____

ONTARIO ENERGY BOARD

IN THE MATTER OF the *Ontario Energy Board Act*,
1998, S.O. 1998, c. 15 (Schedule B);

AND IN THE MATTER OF an application by Enbridge Gas Inc. for the 2021/2022 Storage Enhancement Project, within the Corunna, Seckerton and Ladysmith Designated Storage Areas, the Payne to Corunna Compressor Station Pipeline and the Payne/Ladysmith Crossover project.

AFFIDAVIT OF SEARCH OF TITLE

I, **Ann L. Gray**, of the City of Sarnia, Ontario, **MAKE OATH AND SAY AS FOLLOWS:**

1. I am a Free-Lance Title Searcher retained by Enbridge Gas Inc. (the "**Applicant**"), and as such have knowledge of the matters hereinafter deposed to.
2. On or about November 1, 2020, a search of title was conducted by myself, and abstracts of title and other title documents were obtained from the Land Registry Office for the Land Titles and the Land Registry Division of Lambton, in respect of the lands situate in the location of the Corunna, Seckerton and Ladysmith Designated Storage Areas, the Payne to Corunna Compressor Station Pipeline and the Payne/Ladysmith Crossover project (the "**Subject Lands**"). The said searches were conducted for the purposes of determining the status of land tenure ownership and other registered interests or encumbrancers (collectively, "**Interested Parties**") of the Subject Lands.

3. As a result of the said searches conducted and information provided by Enbridge Gas Inc., I determined the Interested Parties of the Subject Lands who would be affected by the Corunna, Seckerton and Ladysmith Designated Storage Areas, the Payne to Corunna Compressor Station Pipeline and the Payne/Ladysmith Crossover project. Attached and marked as Exhibit "A" is a list of all such Interested Parties.

4. The attached list of Interested Parties was compiled on the basis of the review of the existing and proposed Corunna, Seckerton and Ladysmith Designated Storage Area, the Payne to Corunna Compressor Station Pipeline location and the Payne/Ladysmith Crossover project location, pursuant to plans provided to me and the searches of title undertaken in connection therewith. Addresses for service for such Interested Parties were derived from the registered documents and from municipal directories, where applicable.

SWORN before me at Sarnia,)
)
Ontario, this 4th day of)
)
November, 2020.)

(Original Signed)

Ann L. Gray



(Original Signed)





A Commissioner for Taking
Affidavits

*This is **Exhibit "A"** to the Affidavit of
Ann L. Gray, sworn before me
This 4th day of November, 2020*

A Commissioner, etc.





Corunna Designated Storage Area





OWNER:	ADDRESS:	ENCUMBRANCE HOLDER:	ADDRESS:	ENCUMBRANCE:	PIN #	LEGAL DESCRIPTION:
Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. (a) Easement 1. (b) Lease 1. (c) Agreement	43295-0087 (Part)	Part of Lot 20, Concession 10, Moore, St. Clair
		1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. The Hydro-Electric Power Commission of Ontario	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7	1. (a) Agreement 1. (b) Easement 2. (a) Lease 2. (b) Agreement 2. (c) Easement 3. Easement	43295-0088	Part of Lot 20, Concession 10, Moore, St. Clair SURFACE RIGHTS ONLY





		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>

<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>




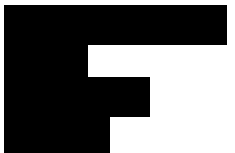
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
<p>Enbridge Gas Inc. (The Consumers' Gas Company Ltd.)</p>	<p>3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. 912176 Ontario Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. (a) Agreement 2. (b) Easement 2. (c) Lease</p>	<p>43295-0090</p>	<p>Part of Lot 19, Concession 10, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Bank of Montreal</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 1362 Lambton Mall Road, Sarnia, ON N7S 5A1</p>	<p>1. (a) Lease 1. (b) Easement 1. (c) Agreement</p> <p>2. Mortgage</p>	<p>43295-0091 (Part)</p>	<p>Part of Lot 19, Concession 10, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Mainstreet Credit Union Limited</p> <p>3. Canadian Imperial Bank of Commerce</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 1295 London Road, Sarnia, ON N7S 1P6</p> <p>3. 478 Exmouth Street, Sarnia, ON N7T 5P3</p>	<p>1. (a) Lease 1. (b) Easement 1. (c) Agreement</p> <p>2. Mortgage</p> <p>3. Mortgage</p>	<p>43295-0092 (Part)</p>	<p>Part of Lot 19, Concession 10, Moore, St. Clair</p>
<p>The Corporation of the Township of St. Clair</p>	<p>1155 Emily Street, Mooretown, ON N0N 1M0</p>				<p>43294-0051 (Part)</p>	<p>Part of the Road Allowance between Lots 18 & 19, Concession 10, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Marie Sipkens & William Sipkens</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p> <p>2. R.R.#1, Corunna, ON NON 1G0</p>	<p>1. (a) Easement 1. (b) Lease 1. (c) Agreement</p> <p>2. Lease</p>	<p>43294-0055 (Part)</p>	<p>Part of Lot 18, Concession 10, Moore, St. Clair</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON NON 1T0</p>				<p>43289-0052 (Part)</p>	<p>Part of the Road Allowance between Concessions 10 & 11, and Part of Lots 19 & 20, Concessions 10 & 11, Moore, St. Clair</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON NON 1T0</p>				<p>43290-0052 (Part)</p>	<p>Part of the Road Allowance between Concessions 10 & 11, and Part of Lot 18, Concessions 10 & 11, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43289-0063 (Part)</p>	<p>Part of Lot 20, Concession 11, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. The Hydro-Electric Power Commission of Ontario</p> <p>3. Bank of Montreal</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>3. 200 Ouellette Ave., Windsor, ON N9A 1A5</p>	<p>1. (a) Easement 1. (b) Lease 1. (c) Agreement</p> <p>2. Easement</p> <p>3. Mortgage</p>	<p>43289-0064 (Part)</p>	<p>Part of Lot 20, Concession 11, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Bank of Nova Scotia</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 4184 Petrolia Line, Petrolia, ON N0N 1R0</p>	<p>1. Easement</p> <p>2. (a) Lease 2. (b) Easement 2. (c) Agreement</p> <p>3. Mortgage</p>	<p>43289-0065 (Part)</p>	<p>Part of Lot 19, Concession 11, Moore, St. Clair</p>



<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43289-0066 (Part)</p>	<p>Part of Lot 19, Concession 11, Moore, St. Clair</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43289-0067 (Part)</p>	<p>Part of Lot 19, Concession 11, Moore, St. Clair</p>
<p>The Corporation of the Township of St. Clair</p>	<p>1155 Emily Street, Mooretown, ON N0N 1M0</p>				<p>43290-0051 (Part)</p>	<p>Part of the Road Allowance between Lots 18 & 19, Concession 11, Moore, St. Clair</p>



		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Dow Chemical of Canada, Limited</p> <p>3. Robert Edward Crombeen & Bernardus Peter Crombeen</p> <p>4. Maryke Fox & Douglas Campbell Fox</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 215-2nd Street SW, Suite 2400, Calgary, AB T2P 1M4 Attention: Legal Dept.</p> <p>3. R.R.#1, Corunna, ON N0N 1G0</p> <p>4. 1849 LaSalle Line, Sarnia, ON N7T 7H5</p>	<p>1. (a) Lease 1. (b) Agreement</p> <p>2. Easement</p> <p>3. Lease</p> <p>4. Mortgage</p>	<p>43290-0057 (Part)</p>	<p>Part of Lot 18, Concession 11, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Lease 2. (b) Agreement</p>	<p>43290-0058 (Part)</p>	<p>Part of Lot 18, Concession 11, Moore, St. Clair</p>

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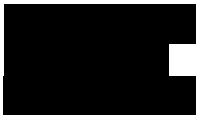



Seckerton Designated Storage Area

OWNER:	ADDRESS:	ENCUMBRANCE HOLDER:	ADDRESS:	ENCUMBRANCE:	PIN #	LEGAL DESCRIPTION:
The Corporation of the Township of St. Clair	1155 Emily Street, Mooretown, ON N0N 1M0				43298-0053 (Part)	Part of the Road Allowance between Lots 21 & 22, Concession 8, Moore, St. Clair
[REDACTED]	[REDACTED]	1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. Agreement 2. (a) Lease 2. (b) Agreement 2. (c) Easement	43298-0062 (Part)	Part of Lot 22, Concession 8, Moore, St. Clair
[REDACTED]	[REDACTED]	1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. Agreement 2. (a) Lease 2. (b) Agreement 2. (c) Easement	43298-0063 (Part)	Part of Lot 22, Concession 8, Moore, St. Clair



		3. The Bank of Nova Scotia	3. 4184 Petrolia Line, Petrolia, ON NON 1R0	3. Mortgage		
		1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. The Toronto-Dominion Bank	1. 3501 Tecumseh Road, Mooretown, ON NON 1M0 2. 3501 Tecumseh Road, Mooretown, ON NON 1M0 3. 4201 Petrolia Line, Petrolia, ON NON 1R0	1.(a) Lease 1. (b) Agreement 1. (c) Easement 2. (a) Lease 2. (b) Agreement 3. Mortgage	43298-0064 (Part)	Part of Lot 21, Concession 8, Moore, St. Clair



		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Bank of Nova Scotia</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p> <p>3. 4184 Petrolia Line, Petrolia, ON NON 1R0</p>	<p>1.(a) Lease 1. (b) Agreement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Mortgage</p>	<p>43298-0065 (Part)</p>	<p>Part of Lot 20, Concession 8, Moore, St. Clair</p>
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<p>1375525 Ontario Limited</p>	<p>1067 Rokeby Line, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p> <p>4. Mainstreet Credit Union Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>4. 2394 Jane Street, Brigden, ON N0N 1B0</p>	<p>1. Easement</p> <p>2. (a) Easement 2. (b) Lease 2. (c) Agreement</p> <p>3. Easement</p> <p>4. Mortgage</p>	<p>43298-0066 (part)</p>	<p>Part of Lot 20, Concession 8, Moore, St. Clair</p>
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		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Easement 2. (b) Lease 2. (c) Agreement</p>	<p>43298-0067 (Part)</p>	<p>Part of Lot 19, Concession 8, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Enbridge Pipelines Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. Western Research Park, 1086 Modeland Road, Bldg. 1050 1st Floor, Sarnia, ON N7S 6L2</p>	<p>1. Easement</p> <p>2. (a) Easement 2. (b) Lease 2. (c) Agreement</p> <p>3. Easement</p>	<p>43298-0068 (Part)</p>	<p>Part of Lot 19, Concession 8, Moore, St. Clair</p>

The Corporation of the Township of St. Clair	1155 Emily Street, Mooretown, ON N0N 1M0				43298-0117 (Part)	Part of Lot 22, Concession 8, Moore, St. Clair SURFACE RIGHTS ONLY
The Corporation of the Township of St. Clair	1155 Emily Street, Mooretown, ON N0N 1M0				43298-0118	Part of Lots 20-21, Concession 8, Moore, St. Clair SURFACE RIGHTS ONLY
The Corporation of the Township of St. Clair	1155 Emily Street, Mooretown, ON N0N 1M0				43298-0119 (Part)	Part of Lot 19, Concession 8, Moore, St. Clair SURFACE RIGHTS ONLY
The Corporation of the Township of St. Clair	1155 Emily Street, Mooretown, ON N0N 1M0	1. Enbridge Gas Inc. (Union Gas Limited) 2. Polysar Hydrocarbons Limited	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 201 N. Front Street, Sarnia, ON N7T 7V1	1. Easement 2. Easement	43295-0052 (Part)	Part of the Road Allowance between Concessions 8 & 9, and Part of Lots 19 & 21, Concession 8, Moore, St. Clair

<p>Nova Chemicals Corporation</p>	<p>785 Petrolia Line, Corunna, ON N0N 1G0</p>				<p>43295-0083 (Part)</p>	<p>Part of Lot 22, Concession 10, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. 3305911 Canada Inc.</p> <p>3. Royal Bank of Canada</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. c/o Fraser Beatty, Attn. Victor Y. Hum, P.O.Box 100, 1 First Canadian Place, 100 King Street W, Toronto, ON M5X 1B2</p> <p>3. 36 York Mills Road, 4th Floor, Toronto, ON M2P 0A4</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Lease</p> <p>3. Mortgage</p>	<p>43295-0085 (Part)</p>	<p>Part of Lot 21, Concession 10, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Arthur Battle and Jeanette Battle</p> <p>3. Beneficiaries of the Estate of Robert Arthur Wellington</p> <p>4. Helen Margaret Wellington</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. c/o 989 Petrolia Line, Corunna, ON N0N 1G0</p> <p>3. c/o 989 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. c/o 989 Petrolia Line, Corunna, ON N0N 1G0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Life Interest Holder</p> <p>3. Interest Holder</p> <p>4. Life Interest Holder</p>	<p>43295-0086 (Part)</p>	<p>Part of Lot 21, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
<p>Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Easement 1. (b) Lease 1. (c) Agreement</p>	<p>43295-0087 (Part)</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Nova Chemicals Corporation (Petrosar Limited)</p> <p>3. The Toronto-Dominion Bank</p> <p>4. Dome NGL Pipeline Ltd.</p> <p>5. Enbridge Gas Inc. (Union Gas Limited)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 785 Petrolia Line, Corunna, ON N0N 1G0</p> <p>3. 196 N. Christina Street, P.O.Box 9, Sarnia, ON N7T 7H9</p> <p>4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p> <p>5. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p> <p>2. Easement</p> <p>3. Mortgage</p> <p>4. Easement</p> <p>5. Easement</p>	<p>43295-0094</p>	<p>Part of Lot 19, Concession 9, Moore, St. Clair</p>
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<p>Enbridge Gas Inc. (Union Gas Limited)</p>	<p>3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Gas Inc. (Union Gas Limited)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement</p>	<p>43295-0095</p>	<p>Part of Lot 19, Concession 9, Moore, St. Clair</p>
<p></p>	<p></p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Gas Inc. (Union Gas Limited) 3. Nova Chemicals Corporation (Petrosar Limited) 4. Dome NGL Pipeline Ltd.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 3. 785 Petrolia Line, Corunna, ON N0N 1G0 4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Easement 3. Easement 4. Easement</p>	<p>43295-0096</p>	<p>Part of Lot 20, Concession 9, Moore, St. Clair</p>



<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Gas Inc. (Union Gas Limited)</p> <p>3. Nova Chemicals Corporation (Petrosar Limited)</p> <p>4. Dome NGL Pipeline Ltd.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 785 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Easement</p> <p>3. Easement</p> <p>4. Easement</p>	<p>43295-0096</p>	<p>Part of Lot 20, Concession 9, Moore, St. Clair</p>
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<p>912176 Ontario Limited</p>	<p>3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Gas Inc. (Union Gas Limited)</p> <p>3. Nova Chemicals Corporation (Petrosar Limited)</p> <p>4. Dome NGL Pipeline Ltd.</p> <p>5. Enbridge Pipelines Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 785 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p> <p>5. Western Research Park, 1086 Modeland Road, Bldg. 1050 1st Floor, Sarnia, ON N7S 6L2</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Easement</p> <p>3. Easement</p> <p>4. Easement</p> <p>5. Easement</p>	<p>43295-0097</p>	<p>Part of Lots 20 & 21, Concession 9, Moore, St. Clair</p>
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<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Gas Inc. (Union Gas Limited)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Easement 1. (b) Lease 1. (c) Agreement</p> <p>2. Easement</p>	<p>43295-0100</p>	<p>Part of Lot 21, Concession 9, Moore, St. Clair</p>
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<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Bank of Montreal</p> <p>3. The Corporation of the Township of St. Clair</p> <p>4. Lawrence Ronald Smith, Lawrence Ranald Smith & Viola Smith</p> <p>5. Dancy Broadcasting Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 11th Floor, First Canadian Pl., Toronto, ON M5X 1A1</p> <p>3. 1155 Emily Street, Mooretown, ON N0N 1M0</p> <p>4. R.R.#1, Mooretown, ON N0N 1M0</p> <p>5. 3899 Ladysmith Road, Corunna, ON N0N 1G0</p>	<p>1. (a) Agreement 1. (b) Lease</p> <p>2. Mortgage</p> <p>3. Agreement</p> <p>4. Restriction Holder</p> <p>5. (a) Lease 5. (b) Agreement</p>	<p>43295-0101</p>	<p>Part of Lot 22, Concession 9, Moore, St. Clair</p>
<p>The Corporation of the Township of St. Clair</p>	<p>1155 Emily Street, Mooretown, ON N0N 1M0</p>				<p>43295-0102 (Part)</p>	<p>Part of the Road Allowance between Lots 21 & 22, Concessions 9 & 10, Moore, St. Clair</p>

<p>Nova Chemicals Corporation</p>	<p>785 Petrolia Line, Corunna, ON N0N 1G0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Arthur Battle and Jeanette Battle</p> <p>3. Beneficiaries of the Estate of Robert Arthur Wellington</p> <p>4. Helen Margaret Wellington</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. c/o 989 Petrolia Line, Corunna, ON N0N 1G0</p> <p>3. c/o 989 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. c/o 989 Petrolia Line, Corunna, ON N0N 1G0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Life Interest Holder</p> <p>3. Interest Holder</p> <p>4. Life Interest Holder</p>	<p>43295-0107 (Part)</p>	<p>Part of Lot 21, Concession 10, Moore, St. Clair</p> <p>SURFACE RIGHTS ONLY</p>
		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43295-0126 (Part)</p>	<p>Part of Lot 22, Concession 10, Moore, St. Clair</p>

		1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. (a) Lease 1. (b) Agreement	43295-0126 (Part)	Part of Lot 22, Concession 10, Moore, St. Clair
		1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. (a) Lease 1. (b) Agreement	43295-0127	Part of Lot 22, Concession 10, Moore, St. Clair
Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. (a) Lease 1. (b) Agreement 1. (c) Easement	43295-0128	Part of Lot 21, Concession 9, Moore, St. Clair SURFACE RIGHTS ONLY
Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. (a) Lease 1. (b) Agreement 1. (c) Easement	43295-0130	Part of Lot 21, Concession 9, Moore, St. Clair MINERAL RIGHTS ONLY

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Gas Inc. (Union Gas Limited)</p> <p>3. Nova Chemicals Corporation (Petrosar Limited)</p> <p>4. Dome NGL Pipeline Ltd.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 785 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Easement</p> <p>3. Easement</p> <p>4. Easement</p>	<p>43295-0129</p>	<p>Part of Lot 21, Concession 9, Moore, St. Clair</p> <p>SURFACE RIGHTS ONLY</p>
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		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Gas Inc. (Union Gas Limited)</p> <p>3. Nova Chemicals Corporation (Petrosar Limited)</p> <p>4. Dome NGL Pipeline Ltd.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 785 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Easement</p> <p>3. Easement</p> <p>4. Easement</p>	<p>43295-0131</p>	<p>Part of Lot 21, Concession 9, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
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<p>Nova Chemicals Corporation</p>	<p>785 Petrolia Line, Corunna, ON N0N 1G0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Gas Inc. (Union Gas Limited)</p> <p>3. Dancy Broadcasting Limited</p> <p>4. Dancy Broadcasting Limited</p> <p>5. The Corporation of the Township of St. Clair Dome NGL Pipeline Ltd.</p> <p>6. Citibank Canada</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. c/o Blackburn Radio Inc., 1415 London Road, Sarnia, ON N7S 1P6</p> <p>4. 400 University Ave, #2500, Toronto, ON M5G 1S8</p> <p>5. 1155 Emily Street, Mooretown, ON N0N 1M0</p> <p>6. 123 Front Street, Toronto, ON M5J 2M3</p>	<p>1. (a) Lease 1. (b) Agreement</p> <p>2. Easement</p> <p>3. (a) Lease 3. (b) Agreement</p> <p>4. (a) Agreement 4. (b) Lease</p> <p>5. Agreement</p> <p>6. Mortgage</p>	<p>43295-0134 (Part)</p>	<p>Part of Lot 22, Concession 9, Moore, St. Clair</p>
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		(continued)	(continued)	(continued)		
		7. St. Clair Power, L.P.	7. 1 South Wacker Drive, #2020, Chicago, IL USA 60606	7. Easement		
		8. Genesis Pipeline Canada Ltd.	8. Western Research Park, 101-1086 Modeland Road, Sarnia, ON N7S 6L2	8. (a) Easement 8. (b) Lease		
		9. Hydro One Networks Inc.	9. 483 Bay Street, 8th Floor, South Tower, Toronto, ON M5G 2P5 Attn. Real Estate Services	9. Easement		

Ladysmith Designated Storage Area

OWNER:	ADDRESS:	ENCUMBRANCE HOLDER:	ADDRESS:	ENCUMBRANCE:	PIN #	LEGAL DESCRIPTION:
The Corporation of the County of Lambton	789 Broadway St. Wyoming, ON NON 1T0	1. The Hydro-Electric Power Commission of Ontario 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7 2. 3501 Tecumseh Road, Mooretown, ON NON 1M0	1. Easement 2. (a) Easement 2. (b) Lease 2. (c) Agreement	43303-0052 (Part)	Part of the Road Allowance between Concessions 4 & 5, Part of the Road Allowance between Lots 18 & 19, Concession 4, Part of Lots 19 & 20, Concession 5, Part of Lots 19, 21 & 21, Concession 4, Moore, St. Clair
The Corporation of the County of Lambton	789 Broadway St., Wyoming, ON NON 1T0	1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3501 Tecumseh Road, Mooretown, ON NON 1M0	1. (a) Lease 1. (b) Agreement	43303-0054 (Part)	Part of Lot 19, Concession 5, and Part of the Road Allowance between Lots 18 & 19, Concession 5, Moore, St. Clair

<p>The Corporation of the Township of St. Clair</p>	<p>1155 Emily Street, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43303-0054 (Part)</p>	<p>Part of Lot 19, Concession 5, and Part of the Road Allowance between Lots 18 & 19, Concession 5, Moore, St. Clair</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. The Corporation of the County of Lambton</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 789 Broadway Street, Wyoming, ON N0N 1T0</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement</p>	<p>43303-0075 (Part)</p>	<p>Part of Lot 21, Concession 5, Moore, St. Clair</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. The Hydro-Electric Power Commission of Ontario 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement 2. (a) Lease 2. (b) Agreement</p>	<p>43303-0080</p>	<p>Part of Lot 19, Concession 5, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43303-0081</p>	<p>Part of Lot 19, Concession 5, Moore, St. Clair</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON N0N 1T0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement</p>	<p>43303-0109 (Part)</p>	<p>Part of the Road Allowance between Lots 18 & 19, Concession 4, Moore, St. Clair</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON N0N 1T0</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Enbridge Energy Distribution Inc.</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. Easement</p> <p>3. Easement</p>	<p>43303-0110 (Part)</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p> <p>PART SURFACE RIGHTS ONLY</p>



<p>The Corporation of the Township of St. Clair</p>	<p>1155 Emily Street, Mooretown, ON N0N 1M0</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Enbridge Energy Distribution Inc.</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. Easement</p> <p>3. Easement</p>	<p>43303-0110 (Part)</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p> <p>PART SURFACE RIGHTS ONLY</p>
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<p>Ministry of North Development and Mines for Minister of Mines, Mining Lands Section,</p>	<p>933 Ramsey Lake Road, 6th Floor, Sudbury, ON P3E 6B5</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Enbridge Energy Distribution Inc.</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. Easement</p> <p>3. Easement</p>	<p>43303-0110 (Part)</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p> <p>PART MINERAL RIGHTS ONLY</p>
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<p>The Hydro-Electric Power Commission of Ontario</p>	<p>(Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. The Hydro-Electric Power Commission of Ontario 2. Enbridge Gas Inc. 3. Enbridge Energy Distribution Inc.</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement 2. Easement 3. Easement</p>	<p>43303-0110 (Part)</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair PART SURFACE RIGHTS ONLY</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON N0N 1T0</p>				<p>43303-0111</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p>
<p>The Corporation of the Township of St. Clair</p>	<p>1155 Emily Street, Mooretown, ON N0N 1M0</p>				<p>43303-0111</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p>

<p>Ministry of North Development and Mines for Minister of Mines, Mining Lands Section,</p>	<p>933 Ramsey Lake Road, 6th Floor, Sudbury, ON P3E 6B5</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p>	<p>43303-0114</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
<p>The Hydro-Electric Power Commission of Ontario</p>	<p>(Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p>	<p>43303-0114</p>	<p>Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p> <p>SURFACE RIGHTS ONLY</p>
<p>Enbridge Gas Inc.</p>	<p>3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Easement 2. (b) Lease 2. (c) Agreement</p>	<p>43303-0118</p>	<p>Part of Lot 20, Concession 5, Moore, St. Clair</p>

<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Easement 2. (b) Lease 2. (c) Agreement</p>	<p>43303-0119</p>	<p>Part of Lot 20, Concession 5, Moore, St. Clair</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Energy Distribution Inc.</p> <p>3. 912176 Ontario Limited</p> <p>4. The Bank of Nova Scotia</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>4. 4715 Tahoe Blvd., Mississauga, ON L4W 0B4</p>	<p>1. Lease</p> <p>2. Easement</p> <p>3. Lease</p> <p>4. Mortgage</p>	<p>43310-0067</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Energy Distribution Inc.</p> <p>3. 912176 Ontario Limited</p> <p>4. The Bank of Nova Scotia</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>4. 4715 Tahoe Blvd., Mississauga, ON L4W 0B4</p>	<p>1. Lease</p> <p>2. Easement</p> <p>3. Lease</p> <p>4. Mortgage</p>	<p>43310-0068</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair</p>
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		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Esso Resources Canada Limited</p> <p>3. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Lease</p> <p>2. Lease</p> <p>3. Easement</p>	<p>43310-0069</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair</p>
		<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Esso Resources Canada Limited</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p>	<p>1. Easement</p> <p>2. Lease</p> <p>3. Lease</p>	<p>43310-0070</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair</p>





		<p>1. Enbridge Energy Distribution Inc.</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Esso Resources Canada Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p>	<p>1. Easement</p> <p>2. Lease</p> <p>3. Lease</p>	<p>43310-0071</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair</p>
		<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Esso Resources Canada Limited</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p>	<p>1. Easement</p> <p>2. Lease</p> <p>3. Lease</p>	<p>43310-0072</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair</p>



<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Energy Distribution Inc.</p> <p>3. Meindert C. Wolff</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 1550 Venetian Blvd., Unit 101, Point Edward, ON N7T 0A4</p>	<p>1. (a) Lease 1. (b) Agreement</p> <p>2. Easement</p> <p>3. Easement</p>	<p>43310-0074 (Part)</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair</p> <p>PART MINERAL RIGHTS ONLY</p>
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<p>The Hydro-Electric Power Commission of Ontario</p>	<p>(Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc. 3. Meindert C. Wolff</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 3. 1550 Venetian Blvd., Unit 101, Point Edward, ON N7T 0A4</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement 3. Easement</p>	<p>43310-0074 (Part)</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair PART SURFACE RIGHTS ONLY</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON N0N 1T0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Agreement</p>	<p>43310-0074 (Part)</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair SURFACE RIGHTS ONLY</p>

<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Enbridge Energy Distribution Inc.</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Lease 2. (b) Agreement</p> <p>3. Easement</p>	<p>43310-0074 (Part)</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Easement</p> <p>2. Easement</p>	<p>43310-0075 (Part)</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Easement</p> <p>2. Easement</p>	<p>43310-0075 (Part)</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair</p> <p>SURFACE RIGHTS ONLY</p>
		<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Esso Resources Canada Limited</p> <p>4. Imperial Oil Limited</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p> <p>4. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p>	<p>1. Easement</p> <p>2. (a) Lease 2. (b) Agreement</p> <p>3. Lease</p> <p>4. Lease</p>	<p>43310-0076</p>	<p>Part of Lot 19, Concession 4, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Esso Resources Canada Limited</p> <p>3. Imperial Oil Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p> <p>3. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Lease</p> <p>3. Lease</p>	<p>43310-0078</p>	<p>Part of Lot 19, Concession 4, Moore, St. Clair</p>
		<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Esso Resources Canada Limited</p> <p>3. Imperial Oil Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p> <p>3. 505 Quarry Park Blvd., Calgary, AB T2C 5N1</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Lease</p> <p>3. Lease</p>	<p>43310-0079</p>	<p>Part of Lot 19, Concession 4, Moore, St. Clair</p>

		<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p>	<p>43310-0098</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair</p>
<p>Ministry of North Development and Mines for Minister of Mines, Mining Lands Section,</p>	<p>933 Ramsey Lake Road, 6th Floor, Sudbury, ON P3E 6B5</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. Easement</p>	<p>43310-0100 (Part)</p>	<p>Part of Lot 19, Concession 4, and Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>



<p>The Hydro-Electric Power Commission of Ontario</p>	<p>(Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Easement</p>	<p>43310-0100 (Part)</p>	<p>Part of Lots 19 & 20, Concession 4, and Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair SURFACE RIGHTS ONLY</p>
<p>Ontario Hydro</p>	<p>185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Easement</p>	<p>43310-0100 (Part)</p>	<p>Part of Lots 19 & 20, Concession 4, and Part of the Road Allowance between Concessions 4 & 5, Moore, St. Clair SURFACE RIGHTS ONLY</p>



<p>Ministry of North Development and Mines for Minister of Mines, Mining Lands Section,</p>	<p>933 Ramsey Lake Road, 6th Floor, Sudbury, ON P3E 6B5</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement</p>	<p>43310-0103 (Part)</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair MINERAL RIGHTS ONLY</p>
<p>Ontario Hydro</p>	<p>185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement</p>	<p>43310-0103 (Part)</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair SURFACE RIGHTS ONLY</p>



<p>The Hydro-Electric Power Commission of Ontario</p>	<p>(Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement</p>	<p>43310-0103 (Part)</p>	<p>Part of Lot 21, Concession 4, Moore, St. Clair SURFACE RIGHTS ONLY</p>
<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Energy Distribution Inc.</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 2. Easement</p>	<p>43310-0104</p>	<p>Part of Lot 20, Concession 4, Moore, St. Clair MINERAL RIGHTS ONLY</p>
<p>The Corporation of the County of Lambton</p>	<p>789 Broadway Street, Wyoming, ON N0N 1T0</p>				<p>43311-0051 (Part)</p>	<p>Part of the Road Allowance between Lots 18 & 19, Concession 4, Moore, St. Clair</p>



The Corporation of the Township of St. Clair	1155 Emily Street, Mooretown, ON N0N 1M0				43311-0051 (Part)	Part of the Road Allowance between Lots 18 & 19, Concession 4, Moore, St. Clair
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Payne to Corunna Compressor Station

OWNER:	ADDRESS:	ENCUMBRANCE HOLDER:	ADDRESS:	ENCUMBRANCE:	PIN #	LEGAL DESCRIPTION:
		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Farm Credit Canada</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2. Easement</p> <p>3. Mortgage</p>	<p>43298-0084</p>	<p>Part of Lot 21, Concession 7, Moore, St. Clair</p>

		<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Farm Credit Canada</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2. Easement</p> <p>3. Mortgage</p>	<p>43298-0086</p>	<p>Part of Lot 21, Concession 7, Moore, St. Clair</p>
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		<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Mainstreet Credit Union Limited 4. Bartley Allan Baker & Crystal Anne Baker 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 2394 Jane Street, Brigden, ON N0N 1B0 4. 1026 Moore Line, Mooretown, ON N0N 1M0 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Easement 1. (c) Lease 2. Easement 3. Mortgage 4. Agreement and Right of Way 	<p>43298-0088</p>	<p>Part of Lot 20, Concession 7, Moore, St. Clair</p>
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		<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Royal Bank of Canada 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 10 York Mills Rd., 3rd Floor, Toronto, ON M2P 0A2 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Lease 2. Easement 3. Mortgage 	<p>43298-0089</p>	<p>Part of Lot 20, Concession 7, Moore, St. Clair</p>
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<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Farm Credit Canada</p> <p>4. Magdalene Maria Johanna Braet & Roger Charles Braet</p> <p>5. The Hydro- Electric Power Commission of Ontario</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1</p> <p>4. 3069 LaSalle Line, R.R. #3, Petrolia, ON N0N 1R0</p> <p>5. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2. (a) Easement 2. (b) Agreement</p> <p>3. Mortgage</p> <p>4. Mortgage</p> <p>5. Easement</p>	<p>43298-0090</p>	<p>Part of Lot 20, Concession 7, Moore, St. Clair</p>
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<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro- Electric Power Commission of Ontario</p> <p>4. Mainstreet Credit Union Limited</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>4. 2394 Jane Street, Brigden, ON N0N 1B0</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2. (a) Easement 2. (b) Agreement</p> <p>3. Easement</p> <p>4. Mortgage</p>	<p>43298-0092</p>	<p>Part of Lot 19, Concession 7, Moore, St. Clair</p>
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<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Mainstreet Credit Union Limited</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 2394 Jane Street, Brigden, ON N0N 1B0</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2. (a) Easement 2. (b) Agreement</p> <p>3. Mortgage</p>	<p>43298-0093</p>	<p>Part of Lot 19, Concession 7, Moore, St. Clair</p>
<p>Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>3593 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. The Corporation of the Township of St. Clair</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 1155 Emily Street, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. Agreement</p>	<p>43298-0128</p>	<p>Part of Lot 19, Concession 7, Moore, St. Clair</p>

Payne/Ladysmith Crossover



OWNER:	ADDRESS:	ENCUMBRANCE HOLDER:	ADDRESS:	ENCUMBRANCE:	PIN #	LEGAL DESCRIPTION:
[REDACTED]	[REDACTED]	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. Farm Credit Canada</p> <p>4. Magdalene Maria Johanna Braet & Roger Charles Braet</p> <p>5. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1</p> <p>4. 3069 LaSalle Line, R.R. #3, Petrolia, ON N0N 1R0</p> <p>5. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2.(a) Easement 2. (b) Agreement</p> <p>3. Mortgage</p> <p>4. Mortgage</p> <p>5. Easement</p>	43298-0090	Part of Lot 20, Concession 7, Moore, St. Clair


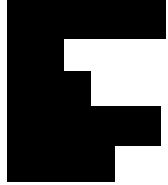

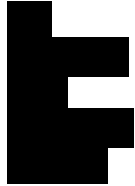
Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	3593 Tecumseh Road, Mooretown, ON N0N 1M0	1. The Hydro- Electric Power Commission of Ontario	1. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7	1. Easement	43298-0091	Part of Lot 19, Concession 7, Moore, St. Clair
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Directly Affected Landowners from Affidavit of Title Search							
Project:	OWNER:	ADDRESS:	ENCUMBRANCE HOLDER:	ADDRESS:	ENCUMBRANCE:	PIN #	LEGAL DESCRIPTION:
Corunna DSA well workovers and upgrades			1. Enbridge Gas Inc. (Union Gas Limited)	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. (a) Agreement 1. (b) Easement	43295-0088	Part of Lot 20, Concession 10, Moore, St. Clair
			2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0	2. (a) Lease 2. (b) Agreement 2. (c) Easement		SURFACE RIGHTS ONLY
			3. The Hydro-Electric Power Commission of Ontario	3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7	3. Easement		

	<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
	<p>[REDACTED]</p>	<p>[REDACTED]</p>	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>





	[REDACTED]	[REDACTED]	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	43295-0089	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
	[REDACTED]	[REDACTED]	<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	43295-0089	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>

			<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement</p> <p>2. (a) Lease 2. (b) Agreement 2. (c) Easement</p> <p>3. Easement</p>	<p>43295-0089</p>	<p>Part of Lot 20, Concession 10, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>
	<p>Enbridge Gas Inc. (The Consumers' Gas Company Ltd.)</p>	<p>3501 Tecumseh Road, Mooretown, ON NON 1M0</p>	<p>1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>2. 912176 Ontario Limited</p>	<p>1. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p> <p>2. 3501 Tecumseh Road, Mooretown, ON NON 1M0</p>	<p>1. (a) Lease 1. (b) Agreement 1. (c) Easement</p> <p>2. (a) Agreement 2. (b) Easement 2. (c) Lease</p>	<p>43295-0090</p>	<p>Part of Lot 19, Concession 10, Moore, St. Clair</p>





Seckerton DSA well workovers and upgrades			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. The Bank of Nova Scotia 	<ol style="list-style-type: none"> 1. 3501 Tecumseh Road, Mooretown, ON NON 1M0 2. 3501 Tecumseh Road, Mooretown, ON NON 1M0 3. 4184 Petrolia Line, Petrolia, ON NON 1R0 	<ol style="list-style-type: none"> 1.(a) Lease 1. (b) Agreement 2. (a) Lease 2. (b) Agreement 2. (c) Easement 3. Mortgage 	43298-0065 (Part)	Part of Lot 20, Concession 8, Moore, St. Clair
			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Arthur Battle and Jeanette Battle 3. Beneficiaries of the Estate of Robert Arthur Wellington 	<ol style="list-style-type: none"> 1. 3501 Tecumseh Road, Mooretown, ON NON 1M0 2. c/o 989 Petrolia Line, Corunna, ON NON 1G0 3. c/o 989 Petrolia Line, Corunna, ON NON 1G0 	<ol style="list-style-type: none"> 1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Life Interest Holder 3. Interest Holder 	43295-0086 (Part)	Part of Lot 21, Concession 10, Moore, St. Clair MINERAL RIGHTS ONLY





			4. Helen Margaret Wellington	4. c/o 989 Petrolia Line, Corunna, ON N0N 1G0	4. Life Interest Holder		
	912176 Ontario Limited	3501 Tecumseh Road, Mooretown, ON N0N 1M0	1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Gas Inc. (Union Gas Limited) 3. Nova Chemicals Corporation (Petrosar Limited) 4. Dome NGL Pipeline Ltd. 5. Enbridge Pipelines Inc.	1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 3. 785 Petrolia Line, Corunna, ON N0N 1G0 4. 240 4th Avenue S.W., Calgary, AB T2P 4H4 5. Western Research Park, 1086 Modeland Road,	1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Easement 3. Easement 4. Easement 5. Easement	43295-0097	Part of Lots 20 & 21, Concession 9, Moore, St. Clair



				Bldg. 1050 1st Floor, Sarnia, ON N7S 6L2			
	Nova Chemicals Corporation	785 Petrolia Line, Corunna, ON NON 1G0	<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Arthur Battle and Jeanette Battle 3. Beneficiaries of the Estate of Robert Arthur Wellington 4. Helen Margaret Wellington 	<ol style="list-style-type: none"> 1. 3501 Tecumseh Road, Mooretown, ON NON 1M0 2. c/o 989 Petrolia Line, Corunna, ON NON 1G0 3. c/o 989 Petrolia Line, Corunna, ON NON 1G0 4. c/o 989 Petrolia Line, Corunna, ON NON 1G0 	<ol style="list-style-type: none"> 1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Life Interest Holder 3. Interest Holder 4. Life Interest Holder 	43295-0107 (Part)	<p>Part of Lot 21, Concession 10, Moore, St. Clair</p> <p>SURFACE RIGHTS ONLY</p>



			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Gas Inc. (Union Gas Limited) 3. Nova Chemicals Corporation (Petrosar Limited) 4. Dome NGL Pipeline Ltd. 	<ol style="list-style-type: none"> 1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 3. 785 Petrolia Line, Corunna, ON N0N 1G0 4. 240 4th Avenue S.W., Calgary, AB T2P 4H4 	<ol style="list-style-type: none"> 1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Easement 3. Easement 4. Easement 	<p>43295-0129</p>	<p>Part of Lot 21, Concession 9, Moore, St. Clair</p> <p>SURFACE RIGHTS ONLY</p>
			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. Enbridge Gas Inc. (Union Gas Limited) 	<ol style="list-style-type: none"> 1. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0 	<ol style="list-style-type: none"> 1. (a) Lease 1. (b) Agreement 1. (c) Easement 2. Easement 	<p>43295-0131</p>	<p>Part of Lot 21, Concession 9, Moore, St. Clair</p> <p>MINERAL RIGHTS ONLY</p>



			<p>3. Nova Chemicals Corporation (Petrosar Limited)</p> <p>4. Dome NGL Pipeline Ltd.</p>	<p>3. 785 Petrolia Line, Corunna, ON N0N 1G0</p> <p>4. 240 4th Avenue S.W., Calgary, AB T2P 4H4</p>	<p>3. Easement</p> <p>4. Easement</p>		
<p>Ladysmith DSA well workovers, TL9H, TL9H gathering pipeline, Ladysmith gathering line NPS 16 to NPS20, Ladysmith Station Modifications</p>	<p>Enbridge Gas Inc.</p>	<p>3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. The Hydro-Electric Power Commission of Ontario</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p>	<p>1. (Ontario Hydro) 185 Clegg Rd., P.O.Box 4300, Internal R32, Markham, ON L6G 1B7</p> <p>2. 3501 Tecumseh Road, Mooretown, ON N0N 1M0</p>	<p>1. Easement</p> <p>2. (a) Easement 2. (b) Lease 2. (c) Agreement</p>	<p>43303-0118</p>	<p>Part of Lot 20, Concession 5, Moore, St. Clair</p>



Payne to Corunna Compressor Station			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Farm Credit Canada 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Easement 1. (c) Lease 2. Easement 3. Mortgage 	43298-0084	Part of Lot 21, Concession 7, Moore, St. Clair
			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Farm Credit Canada 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Easement 1. (c) Lease 2. Easement 3. Mortgage 	43298-0086	Part of Lot 21, Concession 7, Moore, St. Clair

			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Royal Bank of Canada 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 10 York Mills Rd., 3rd Floor, Toronto, ON M2P 0A2 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Lease 2. Easement 3. Mortgage 	<p>43298-0089</p>	<p>Part of Lot 20, Concession 7, Moore, St. Clair</p>
			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Farm Credit Canada 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Easement 1. (c) Lease 2. (a) Easement 2. (b) Agreement 3. Mortgage 	<p>43298-0090</p>	<p>Part of Lot 20, Concession 7, Moore, St. Clair</p>

			<p>4. Magdalene Maria Johanna Braet & Roger Charles Braet</p> <p>5. The Hydro-Electric Power Commission of Ontario</p>	<p>4. 3069 LaSalle Line, R.R. #3, Petrolia, ON N0N 1R0</p> <p>5. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>4. Mortgage</p> <p>5. Easement</p>		
			<p>1. Enbridge Gas Inc. (Union Gas Limited)</p> <p>2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)</p> <p>3. The Hydro-Electric Power Commission of Ontario</p>	<p>1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0</p> <p>3. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7</p>	<p>1. (a) Agreement 1. (b) Easement 1. (c) Lease</p> <p>2. (a) Easement 2. (b) Agreement</p> <p>3. Easement</p>	43298-0092	Part of Lot 19, Concession 7, Moore, St. Clair

			4. Mainstreet Credit Union Limited	4. 2394 Jane Street, Brigden, ON NON 1B0	4. Mortgage		
			1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Mainstreet Credit Union Limited	1. 3593 Tecumseh Road, Mooretown, ON NON 1M0 2. 3593 Tecumseh Road, Mooretown, ON NON 1M0 3. 2394 Jane Street, Brigden, ON NON 1B0	1. (a) Agreement 1. (b) Easement 1. (c) Lease 2. (a) Easement 2. (b) Agreement 3. Mortgage	43298-0093	Part of Lot 19, Concession 7, Moore, St. Clair

	Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	3593 Tecumseh Road, Mooretown, ON N0N 1M0	<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 2. The Corporation of the Township of St. Clair 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 1155 Emily Street, Mooretown, ON N0N 1M0 	<ol style="list-style-type: none"> 1. Easement 2. Agreement 	43298-0128	Part of Lot 19, Concession 7, Moore, St. Clair
Payne/Ladysmith Crossover			<ol style="list-style-type: none"> 1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.) 3. Farm Credit Canada 4. Magdalene Maria Johanna Braet & Roger Charles Braet 	<ol style="list-style-type: none"> 1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. 200-1133 St. George Blvd., Moncton, NB E1E 4E1 4. 3069 LaSalle Line, R.R. #3, Petrolia, ON N0N 1R0 	<ol style="list-style-type: none"> 1. (a) Agreement 1. (b) Easement 1. (c) Lease 2.(a) Easement 2. (b) Agreement 3. Mortgage 4. Mortgage 	43298-0090	Part of Lot 20, Concession 7, Moore, St. Clair

			5. The Hydro-Electric Power Commission of Ontario	5. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7	5. Easement		
	Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	3593 Tecumseh Road, Mooretown, ON N0N 1M0	1. The Hydro-Electric Power Commission of Ontario	1. (Ontario Hydro) 185 Clegg Road, P.O. Box 4300, Internal R32, Markham, ON L6G 1B7	1. Easement	43298-0091	Part of Lot 19, Concession 7, Moore, St. Clair
			1. Enbridge Gas Inc. (Union Gas Limited) 2. Enbridge Gas Inc. (Enbridge Gas Distribution Inc.)	1. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 2. 3593 Tecumseh Road, Mooretown, ON N0N 1M0 3. (Ontario Hydro) 185 Clegg Road,	1. (a) Agreement 1. (b) Easement 1. (c) Lease 2. (a) Easement 2. (b) Agreement 3. Easement	43298-0092	Part of Lot 19, Concession 7, Moore, St. Clair

			3. The Hydro-Electric Power Commission of Ontario	P.O. Box 4300, Internal R32, Markham, ON L6G 1B7			
			4. Mainstreet Credit Union Limited	4. 2394 Jane Street, Brigden, ON N0N 1B0	4. Mortgage		

OPTION FOR TEMPORARY LAND USE

(hereinafter called the "Option")

BETWEEN: | |
(hereinafter called the "Owner")

and

ENBRIDGE GAS INC.
(hereinafter called the "Company")

WHEREAS the Owner is the registered owner in fee simple of the lands hereinafter referred to as

PIN: | |

Legal Description: | |

(the "Lands")

AND WHEREAS the Company may require temporary land use over all or a portion of the Lands as more particularly shown on the sketch attached as, **Appendix "A"**.

AND WHEREAS the Company wishes to obtain certain option rights to the Lands as more particularly set out herein;

NOW THEREFORE in consideration of the payment(s) made or to be made to the Owner by the Company in accordance with the provisions of this Option, the Owner agrees to grant to the Company an Option to acquire temporary land use from the Owner, over all or a portion, of the Lands (the "Temporary Land Use or "TLU") upon the terms and subject to the conditions hereinafter set forth in respect of which the Owner and the Company respectively covenant and agree as follows:

1. The Owner hereby grants to the Company an irrevocable and exclusive option (the "**Option**") to acquire TLU over, in and to the Lands, upon the terms and conditions set out in the TLU Agreement attached hereto as **Appendix "B"**. Upon the exercising of the Option by the Company the parties agree to be bound by the terms and conditions of the Temporary Land Use Agreement.
2. The Company shall have the right at any time on or before 11:59 p.m. on the | | day of | | 20 | | (the "Expiry Date") to deliver a notice to the Owner, advising of the Company's intention to exercise the Option. The Expiry Date may be extended to such later date as the Owner and the Company may agree in writing. If the Company does not give such a notice prior to the Expiry Date then this Option shall terminate and neither the Owner nor the Company shall have any further obligations hereunder.
3. The price for the Option shall be | /100 Dollars (\$) | and shall be paid within 30 days of acceptance of this Option by the Owner.
4. The Owner covenants with the Company that the Owner has the sole right to grant the Option and convey the TLU.
5. The Owner hereby agrees that the Company's surveyors, engineers and servants may enter on the Lands forthwith and at any time while this Option remains in effect for the purpose of performing soil tests, surveys, water exploration and core drilling and archeological investigations. The Owner hereby agrees that immediately following the giving of the notice referred to in Clause 2 specifying the Closing: the Company shall have the immediate right to bring its equipment and equipment of its servants, agents and contractors upon the Lands to

commence construction of its works.

6. The Owner hereby consents to registration of a notice of this Option by the Company against title to the Lands.
7. All notices required or permitted to be given hereunder shall be in writing and delivered in person or by prepaid registered mail or courier in case of the Company to: Enbridge Gas Inc., 50 Keil Drive North, Chatham, Ontario, N7M 5M1 Attention: Lands Department and in the case of the Owner to: _____ or to such other address as the Company and the Owner respectively may from time to time designate in writing and any such notice shall be deemed to have been given to and received by the addressee on the date on which it was delivered or if mailed shall be deemed to have been given to and received by the addressee on the fifth business day following the date on which it was deposited in the mail, except in the event of interruption of mail service after mailing, in which event it shall be deemed to have been given when actually received.
8. It is further agreed that the Company shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Option or anything done or maintained by the Company hereunder or intended so to be and the Company shall at all times indemnify and save harmless the Owner from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Company shall not be liable under the clause to the extent to which such loss, damage or injury is caused or contributed to by the gross negligence or willful misconduct of the Owner.
9. (a) The Company represents that it is registered for the purposes of the Harmonized Goods and Services Tax (hereinafter called "HST") in accordance with the applicable provisions in that regard and pursuant to the Excise Tax Act, (R.S.C., 1985, c. E-15), (hereinafter called "Excise Tax Act"), as amended.

(b) The Company covenants to deliver a Statutory Declaration, Undertaking and Indemnity confirming its HST registration number, which shall be conclusive evidence of such HST registration, and shall preclude the Owner from collection of HST from the Company.

(c) The Company shall undertake to self-assess the HST payable in respect of this transaction pursuant to subparagraphs 221(2) and 228(4) of the Excise Tax Act, and to remit and file a return in respect of HST owing as required under the said Act for the reporting period in which the HST in this transaction became payable.

(d) The Company shall indemnify and save harmless the Owner from and against any and all claims, liabilities, penalties, interest, costs and other legal expenses incurred, directly or indirectly, in connection with the assessment of HST payable in respect of the transaction contemplated by this Option. The Company's obligations under this Clause shall survive this Option.

10. Site Specific Notes: (if applicable) |

DATED this ____ day of _____ 20__.

[Insert name of individual or corporation]

Signature (Owner)

Print Name(s) (and position held if applicable)
Choose an item

Address (Owner)

Signature (Owner)

Print Name(s) (and position held if applicable)
Choose an item.

Address (Owner)

ENBRIDGE GAS INC.

Signature (Company)

[Insert name of signing authority], Choose an item.

Name & Title (Enbridge Gas Inc.)

I have authority to bind the Corporation.

[Click here to enter text.](#)

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable)

Owner Solicitor: _____

Telephone: _____

APPENDIX "A"

SKETCH

0

APPENDIX "B"

TEMPORARY LAND USE AGREEMENT

TEMPORARY LAND USE AGREEMENT

(hereinafter called the "Agreement")

Between

(hereinafter called the "Owner")

and

ENBRIDGE GAS INC.

(hereinafter called the "Company")

In consideration of the sum of _____XX/100 Dollars (\$_____), payable by the Company to the Owner within thirty (30) days of signing of this Agreement in accordance with the Compensation labelled as **Appendix "D"** hereto.

the Owner of **PIN:**

Legal Description: labelled as **Appendix "B"** hereto, hereby grants to the Company, its servants, agents, employees, contractors and sub-contractors and those engaged in its and their business, the right on foot and/or with vehicles, supplies, machinery and equipment at any time and from time to time during the term of this Agreement to enter upon, use and occupy a parcel of land (hereinafter called the "Lands") more particularly described on the Sketch attached hereto labelled as Appendix "A" and forming part of this Agreement, the Lands being immediately adjacent to and abutting the Choose an item. for any purpose incidental to, or that the Company may require in conjunction with, the construction by or on behalf of the Company of a proposed Choose an item. and appurtenances on the Lands including, without limiting the generality of the foregoing, the right to make temporary openings in any fence (if applicable) along or across the Lands and to remove any other object therein or thereon interfering with the free and full enjoyment of the right hereby granted and further including the right of surveying and placing, storing, levelling and removing earth, dirt, fill, stone, debris of all kinds, pipe, supplies, equipment, vehicles and machinery and of movement of vehicles, machinery and equipment of all kinds.

1. This Agreement is granted upon the following understandings:

- a) The rights hereby granted terminate on the _____ day of _____, 20_____.
- b) The Company shall make to the person entitled thereto due compensation for any damages resulting from the exercise of the right hereby granted and if the compensation is not agreed upon it shall be determined in the manner prescribed by Section 100 of The Ontario Energy Board Act, R.S.O. 1998 S.O. 1998, c.15 Schedule B, as amended or any Act passed in amendment thereof or substitution there for;
- c) As soon as reasonably possible after the construction, the Company at its own expense will level the Lands, remove all debris therefrom and in all respects, restore the Lands to their former state so far as is reasonably possible, save and except for items in respect of which compensation is due under paragraph (b) and the Company will also restore any gates and fences interfered with around, (*if applicable*) the Lands as closely and as reasonably possible to the condition in which they existed immediately prior to such interference by the Company.
- d) It is further agreed that the Company shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Agreement or anything done or maintained by the Company hereunder or intended so to be and the Company shall at all times indemnify and save harmless the Owner from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages,

expenses, claims or demands arising therefrom or connected therewith provided that the Company shall not be liable under the Clause to the extent to which such loss, damage or injury is caused or contributed to by the gross negligence or wilful misconduct of the Owner.

The Company and the Owner agree to perform the covenants on its part herein contained.

Dated this ____ day of _____ 20__.

[Insert name of individual or corporation]

Signature (Owner)

Print Name(s) (and position held if applicable)
Choose an item

Address (Owner)

Signature (Owner)

Print Name(s) (and position held if applicable)
Choose an item.

Address (Owner)

ENBRIDGE GAS INC.

Signature (Company)
, Choose an item.

Name & Title (Enbridge Gas Inc.)
I have authority to bind the Corporation.

519-436-4673

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable):

Property Address:

HST Registration Number:

APPENDIX "D"

COMPENSATION – TEMPORARY LAND USE

AGRICULTURAL LANDS:										
On Easement Activities										
-										
One Time Crop Loss Payment Per Acre										
Note: Disturbed crop area will be measured following maintenance clean-up activities.										
(Damage payment will be based upon the actual disturbed crop area.)										
									\$	
Off Easement Activities -										
Base fee of \$1,000 per acre and First Year Crop Loss per acre.										
									\$	
									Sub Total	\$
EXPLANATION OF CROP LOSS PAYMENTS										
One-Time Crop Loss Payment Per Acre										
First Year Crop Loss @ 100%					\$	960.00				
Second Year Crop Loss @ 75%					\$	720.00				
Third Year Crop Loss @ 50%					\$	480.00				
Sub total					\$	2,160.00				
One-Time Crop Loss is based upon a gross annual average return of \$960.00/acre, with the value determined taking into account a three-year crop rotation of wheat, soya beans & corn. NOTE: Specialty crops will be assessed independently										
Allowance for additional fertilizer; stone picking; disturbance and Inconvenience					\$	425.00				
Total One-Time Crop Loss Payment Per Acre					\$	2,465.00				
NON-AGRICULTURAL LANDS:										
On Easement Activities - Area will be returned to its pre-existing condition as reasonably possible. Damages only										
									\$ -	
Off Easement Activities - Access, Temporary Land Use Base fee of \$1,000 per month x term										
									\$ -	
									Sub Total	\$ -
									Total Payment Due	\$
Owner Acceptance										

					Date:				
<u>Site Specific Comments/Notes:</u>									

OPTION FOR EASEMENT

(hereinafter called the "Option")

BETWEEN []
(hereinafter called the "Owner")

and

ENBRIDGE GAS INC.
(hereinafter called the "Company")

WHEREAS the Owner is the registered owner in fee simple of the lands hereinafter referred to as

PIN: []

Legal Description: []

(the "Lands")

AND WHEREAS the Company requires an easement, free of all liens, claims, charges or encumbrances over all or a portion of the Lands as more particularly shown on the sketch attached as, **Appendix "A"**.

AND WHEREAS the Company wishes to obtain certain option rights to the Lands as more particularly set out herein;

NOW THEREFORE in consideration of the payment(s) made or to be made to the Owner by the Company in accordance with the provisions of this Option, the Owner agrees to grant to the Company an Option to acquire an easement from the Owner, over all or a portion of the Land (the "Easement") upon the terms and subject to the conditions hereinafter set forth in respect of which the Owner and the Company respectively covenant and agree as follows:

1. The Owner hereby grants to the Company an irrevocable and exclusive option (the "**Option**") to acquire an Easement over, in and through the Lands, substantially upon the terms and conditions set out in the Pipeline Easement attached hereto as **Appendix "B"**. Upon the exercising of the Option by the Company the parties agree to be bound by the terms and conditions of the Easement Agreement.
2. The Company shall have the right at any time on or before 11:59 p.m. on the [] day of _____ 20__ (the "Expiry Date") to deliver a notice to the Owner, advising of the Company's intention to exercise the Option. If the Company does not give such a notice prior to the Expiry Date, or any extended date, then this Option shall terminate and neither the Owner nor the Company shall have any further obligations hereunder.
3. The price for the Option shall be [] **00/100 Dollars (\$)** and shall be paid within 30 days of acceptance of this Option by the Owner.
4. The Owner hereby authorizes the Company to prepare and register a reference plan of survey of the Easement. The Owner and the Company agree that if and when such survey has been prepared such legal description based on such survey shall conclusively be deemed to constitute the full, true and accurate description of the Easement and such description will be substituted for the description or the sketch of the Easement contained in this Option.
5. The Owner covenants with the Company that the Owner has the sole right to grant the Option and convey the Easement.
6. The Owner hereby agrees that the Company's surveyors, engineers, and servants may enter on the Lands forthwith and at any time while this Option remains in effect for the purpose of performing soil tests, surveys, water exploration, environmental surveys, core drilling and archeological investigations. The Owner hereby agrees that immediately following the giving of the notice referred to in Clause 2 the Company shall have the immediate right to bring its equipment and

equipment of its servants, agents and contractors upon the Lands to commence construction of its works.

7. The Owner hereby consents to registration of a notice of this Option, and the Easement, by the Company against title to the Lands.
8. All notices required or permitted to be given hereunder shall be in writing and delivered in person or by prepaid registered mail or courier in case of the Company to: Enbridge Gas Inc., 50 Keil Drive North, Chatham, Ontario, N7M 5M1 Attention: Lands Department and in the case of the Owner to: or to such other address as the Company and the Owner respectively may from time to time designate in writing and any such notice shall be deemed to have been given to and received by the addressee on the date on which it was delivered or if mailed shall be deemed to have been given to and received by the addressee on the fifth business day following the date on which it was deposited in the mail, except in the event of interruption of mail service after mailing, in which event it shall be deemed to have been given when actually received.
9. It is further agreed that the Company shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Option or anything done or maintained by the Company hereunder or intended so to be and the Company shall at all times indemnify and save harmless the Owner from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Company shall not be liable under the Clause to the extent to which such loss, damage or injury is caused or contributed to by the gross negligence or wilful misconduct of the Owner.
10. (a) The Company represents that it is registered for the purposes of the Harmonized Goods and Services Tax (hereinafter called "HST") in accordance with the applicable provisions in that regard and pursuant to the Excise Tax Act, (R.S.C., 1985, c. E-15), (hereinafter called "Excise Tax Act"), as amended.

(b) The Company covenants to deliver a Statutory Declaration, Undertaking and Indemnity confirming its HST registration number, which shall be conclusive evidence of such HST registration, and shall preclude the Owner from collection of HST from the Company.

(c) The Company shall undertake to self-assess the HST payable in respect of this transaction pursuant to subparagraphs 221(2) and 228(4) of the Excise Tax Act, and to remit and file a return in respect of HST owing as required under the said Act for the reporting period in which the HST in this transaction became payable.

(d) The Company shall indemnify and save harmless the Owner from and against any and all claims, liabilities, penalties, interest, costs and other legal expenses incurred, directly or indirectly, in connection with the assessment of HST payable in respect of the transaction contemplated by this Option. The Company's obligations under this Clause shall survive this Option.
11. Site Specific Notes: (if applicable) [Click here to enter text.](#)

DATED this ____ day of _____ 20__.

[Insert name of individuals or Corporation]

_____ Signature (Owner)	_____ Signature (Owner)
_____ Print Name(s) (and position held if applicable) Choose an item.	_____ Print Name(s) (and position held if applicable) Choose an item.
_____ Address (Owner)	_____ Address (Owner)

ENBRIDGE GAS INC.

Signature (Transferee)

[insert name of signing authority], Choose an item.

Name & Title (Enbridge Gas Inc.)

I have authority to bind the Corporation.

519-436-4673

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable)

Solicitor: _____

Telephone: _____

APPENDIX "A"

SKETCH

APPENDIX "B"
PIPELINE EASEMENT

PIPELINE EASEMENT

(hereinafter called the "Easement")

Between []
(hereinafter called the "Transferor")

and

ENBRIDGE GAS INC.
(hereinafter called the "Transferee")

This is an Easement in Gross.

WHEREAS the Transferor is the owner in fee simple of those lands and premises more particularly described as:

PIN: []

Legal Description: []

(hereinafter called the "Transferor's Lands").

The Transferor does hereby GRANT, CONVEY, TRANSFER AND CONFIRM unto the Transferee, its successors and assigns, to be used and enjoyed as appurtenant to all or any part of the lands, the right, liberty, privilege and easement on, over, in, under and/or through a strip of the Transferor's Lands more particularly described as:

BEING THE PIN/PART OF THE PIN: []

Legal Description: []

(hereinafter called the "Lands") to survey, lay, construct, maintain, brush, clear trees and vegetation, inspect, patrol, alter, remove, replace, reconstruct, repair, move, keep, use and/or operate one pipeline for the transmission of Pipeline quality natural gas as defined in The Ontario Energy Board Act S.O. 1998 (hereinafter called the "Pipeline") including therewith all such buried attachments, equipment and appliances for cathodic protection which the Transferee may deem necessary or convenient thereto, together with the right of ingress and egress at any and all times over and upon the Lands for its servants, agents, employees, those engaged in its business, contractors and subcontractors on foot and/or with vehicles, supplies, machinery and equipment for all purposes necessary or incidental to the exercise and enjoyment of the rights, liberty, privileges and easement hereby granted. The Parties hereto mutually covenant and agree each with the other as follows:

1. In Consideration of the sum of XX/100 Dollars (\$) (hereinafter called the "Consideration"), which sum is payment in full for the rights and interest hereby granted and for the rights and interest, if any, acquired by the Transferee by expropriation, including in either or both cases payment in full for all such matters as injurious affection to remaining lands and the effect, if any, of registration on title of this document and where applicable, of the expropriation documents, subject to Clause 12 hereof to be paid by the Transferee to the Transferor within 90 days from the date of these presents or prior to the exercise by the Transferee of any of its rights hereunder other than the right to survey (whichever may be the earlier date), the rights, privileges and easement hereby granted shall continue in perpetuity or until the Transferee, with the express written consent of the Transferor, shall execute and deliver a surrender thereof. Prior to such surrender, the Transferee shall remove all debris as may have resulted from the Transferee's use of the Lands from the Lands and in all respects restore the Lands to its previous productivity and fertility so far as is reasonably possible, save and except for items in respect of which compensation is due under Clause 2, hereof. As part of the Transferee's obligation to restore the Lands upon surrender of its easement, the Transferee agrees at the option of the Transferor to remove the Pipeline from the Lands. The Transferee and

the Transferor shall surrender the Easement and the Transferee shall remove the Pipeline at the Transferor's option where the Pipeline has been abandoned. The Pipeline shall be deemed to be abandoned where: (a) corrosion protection is no longer applied to the Pipeline, or, (b) the Pipeline becomes unfit for service in accordance with Ontario standards. The Transferee shall, within 60 days of either of these events occurring, provide the Transferor with notice of the event. Upon removal of the Pipeline and restoration of the Lands as required by this agreement, the Transferor shall release the Transferee from further obligations in respect of restoration.

2. The Transferee shall make to the Transferor (or the person or persons entitled thereto) due compensation for any damages to the Lands resulting from the exercise of any of the rights herein granted, and if the compensation is not agreed upon by the Transferee and the Transferor, it shall be determined by arbitration in the manner prescribed by the Expropriations Act, R.S.O. 1990, Chapter E-26 or any Act passed in amendment thereof or substitution therefore. Any gates, fences and tile drains curbs, gutters, asphalt paving, lockstone, patio tiles interfered with by the Transferee shall be restored by the Transferee at its expense as closely as reasonably possible to the condition and function in which they existed immediately prior to such interference by the Transferee and in the case of tile drains, such restoration shall be performed in accordance with good drainage practice and applicable government regulations.
3. The Pipeline (including attachments, equipment and appliances for cathodic protection but excluding valves, take-offs and fencing installed under Clause 9 hereof) shall be laid to such a depth that upon completion of installation it will not obstruct the natural surface run-off from the Lands nor ordinary cultivation of the Lands nor any tile drainage system existing in the Lands at the time of installation of the Pipeline nor any planned tile drainage system to be laid in the Lands in accordance with standard drainage practice, if the Transferee is given at least thirty (30) days' notice of such planned system prior to the installation of the Pipeline. The Transferee agrees to make reasonable efforts to accommodate the planning and installation of future tile drainage systems following installation of the Pipeline so as not to obstruct or interfere with such tile installation. In the event there is a change in the use of all, or a portion of the Transferor's Lands adjacent to the Lands which results in the pipeline no longer being in compliance with the pipeline design class location requirements, then the Transferee shall be responsible for any costs associated with any changes to the Pipeline required to ensure compliance with the class location requirements.
4. As soon as reasonably possible after the construction of the Pipeline, the Transferee shall level the Lands and unless otherwise agreed to by the Transferor, shall remove all debris as may have resulted from the Transferee's use of the Lands therefrom and in all respects restore the Lands to its previous productivity and fertility so far as is reasonably possible, save and except for items in respect of which compensation is due under Clause 2 hereof.
5. It is further agreed that the Transferee shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Easement or anything done or maintained by the Transferee hereunder or intended so to be and the Transferee shall at all times indemnify and save harmless the Transferor from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Transferee shall not be liable under the clause to the extent to which such loss, damage or injury is caused or contributed to by the gross negligence or wilful misconduct of the Transferor.
6. In the event that the Transferee fails to comply with any of the requirements set out in Clauses 2, 3, or 4 hereof within a reasonable time of the receipt of notice in writing from the Transferor setting forth the failure complained of, the Transferee shall compensate the Transferor (or the person or persons entitled thereto) for any damage, if any, necessarily resulting from such failure and the reasonable costs if any, incurred in the recovery of those damages.
7. Except in case of emergency, the Transferee shall not enter upon any of the Transferor's Lands, other than the Lands, without the consent of the Transferor. In case of emergency the right of entry upon the Transferor's Lands for ingress and egress to and from the Lands is hereby granted. The determination of what circumstances constitute an emergency, for purposes of this paragraph is within the absolute discretion of the Transferee, but is a situation in which the Transferee has a need to access the Pipeline in the public interest without notice to the Transferor, subject to the provisions of Clause 2 herein. The Transferee will, within 72 hours of entry upon such lands, advise

the Transferor of the said emergency circumstances and thereafter provide a written report to Transferor with respect to the resolution of the emergency situation The Transferee shall restore the lands of the Transferor at its expense as closely as reasonably practicable to the condition in which they existed immediately prior to such interference by the Transferee and in the case of tile drains, such restoration shall be performed in accordance with good drainage practice.

8. The Transferor shall have the right to fully use and enjoy the Lands except for planting trees over the lesser of the Lands or a six (6) meter strip centered over the Pipeline, and except as may be necessary for any of the purposes hereby granted to the Transferee, provided that the Transferor shall not excavate, drill, install, erect or permit to be excavated, drilled, installed or erected in, on, over or through the Lands any pit, well, foundation, building, mobile homes or other structure or installation and the Transferor shall not deposit or store any flammable material, solid or liquid spoil, refuse, waste or effluent on the Lands. Notwithstanding the foregoing the Transferee upon request shall consent to the Transferor erecting or repairing fences, hedges, pavement, lockstone constructing or repairing tile drains and domestic sewer pipes, water pipes, and utility pipes and constructing or repairing lanes, roads, driveways, pathways, and walks across, on and in the Lands or any portion or portions thereof, provided that before commencing any of the work referred to in this sentence the Transferor shall (a) give the Transferee at least (30) clear days' notice in writing describing the work desired so as to enable the Transferee to evaluate and comment on the work proposed and to have a representative inspect the site and/or be present at any time or times during the performance of the work, (b) shall follow the instructions of such representative as to the performance of such work without damage to the Pipeline, (c) shall exercise a high degree of care in carrying out any such work and, (d) shall perform any such work in such a manner as not to endanger or damage the Pipeline as may be required by the Transferee.
9. The rights, privileges and easement herein granted shall include the right to install, keep, use, operate, service, maintain, repair, remove and/or replace in, on and above the Lands any valves and/or take-offs subject to additional agreements and to fence in such valves and/or take-offs and to keep same fenced in, but for this right the Transferee shall pay to the Transferor (or the person or persons entitled thereto) such additional compensation as may be agreed upon and in default of agreement as may be settled by arbitration under the provisions of The Ontario Energy Board Act, S.O. 1998, or any Act passed in amendment thereof or substitution therefore. The Transferee shall keep down weeds on any lands removed from cultivation by reason of locating any valves and/or take-offs in the Lands.
10. Notwithstanding any rule of law or equity and even though the Pipeline and its appurtenances may become annexed or affixed to the realty, title thereto shall nevertheless remain in the Transferee.
11. Neither this Agreement nor anything herein contained nor anything done hereunder shall affect or prejudice the Transferee's rights to acquire the Lands or any other portion or portions of the Transferor's Lands under the provisions of The Ontario Energy Board Act, S.O. 1998, or any other laws, which rights the Transferee may exercise at its discretion in the event of the Transferor being unable or unwilling for any reason to perform this Agreement or give to the Transferee a clear and unencumbered title to the easement herein granted.
12. The Transferor covenants that he has the right to convey this Easement notwithstanding any act on his part, that he will execute such further assurances of this Easement as may be requisite and which the Transferee may at its expense prepare and that the Transferee, performing and observing the covenants and conditions on its part to be performed, shall have quiet possession and enjoyment of the rights, privileges and easement hereby granted. If it shall appear that at the date hereof the Transferor is not the sole owner of the Lands, this Easement shall nevertheless bind the Transferor to the full extent of his interest therein and shall also extend to any after-acquired interest, but all moneys payable hereunder shall be paid to the Transferor only in the proportion that his interest in the Lands bears to the entire interest therein.
13. In the event that the Transferee fails to pay the Consideration as hereinbefore provided, the Transferor shall have the right to declare this Easement cancelled after the expiration of 15 days from personal service upon the Manager, Land Services of the Transferee at its Executive Head Office in Chatham, Ontario, (or at such other point in Ontario as the Transferee may from time to time specify by notice in writing to the Transferor) of notice in writing of such default, unless during such 15 day period the Transferee shall pay the Consideration; upon failing to pay as aforesaid, the

Transferee shall forthwith after the expiration of 15 days from the service of such notice execute and deliver to the Transferor at the expense of the Transferee, a valid and registrable release and discharge of this Easement.

14. All payments under these presents may be made either in cash or by cheque of the Transferee and may be made to the Transferor (or person or persons entitled thereto) either personally or by mail. All notices and mail sent pursuant to these presents shall be addressed to:

the Transferor at:

and to the Transferee at: Enbridge Gas Inc.
 P.O. Box 2001
 50 Keil Drive North
 Chatham, Ontario N7M 5M1
 Attention: Manager, Land Services

or to such other address in either case as the Transferor or the Transferee respectively may from time to time appoint in writing.

15. The rights, privileges and easement hereby granted are and shall be of the same force and effect as a covenant running with the Transferor's Land and this Easement, including all the covenants and conditions herein contained, shall extend to, be binding upon and inure to the benefit of the heirs, executors, administrators, successors and assigns of the Parties hereto respectively; and, wherever the singular or masculine is used it shall, where necessary, be construed as if the plural, or feminine or neuter had been used, as the case may be.

16. (a) The Transferee represents that it is registered for the purposes of the Harmonized Goods and Services Tax (hereinafter called "HST") in accordance with the applicable provisions in that regard and pursuant to the Excise Tax Act, (R.S.C., 1985, c. E-15), (hereinafter called "Excise Tax Act"), as amended.

(b) The Transferee covenants to deliver a Statutory Declaration, Undertaking and Indemnity confirming its HST registration number, which shall be conclusive evidence of such HST registration, and shall preclude the Transferor from collection of HST from the Transferee.

(c) The Transferee shall undertake to self-assess the HST payable in respect of this transaction pursuant to subparagraphs 221(2) and 228(4) of the Excise Tax Act, and to remit and file a return in respect of HST owing as required under the said Act for the reporting period in which the HST in this transaction became payable.

(d) The Transferee shall indemnify and save harmless the Transferor from and against any and all claims, liabilities, penalties, interest, costs and other legal expenses incurred, directly or indirectly, in connection with the assessment of HST payable in respect of the transaction contemplated by this Easement. The Transferee's obligations under this Clause shall survive this Easement.

17. The Transferor hereby acknowledges that this Easement will be registered electronically.

18. The Transferee hereby declares that this easement is being acquired by the Transferee for the purpose of a hydrocarbon line within the meaning of Part VI of the Ontario Energy Board Act, 1998 and/or a utility line within the meaning of the Ontario Energy Board Act, 1998.

Dated this ____ day of _____ 20__.

[Insert name of Individuals or Corporation]

_____ Signature (Transferor)	_____ Signature (Transferor)
_____ Print Name(s) (and position held if applicable) Choose an item.	_____ Print Name(s) (and position held if applicable) Choose an item.
_____	_____

Address (Transferor)

Address (Transferor)

ENBRIDGE GAS INC.

Signature (Transferee)

| |, Choose an item.

Name & Title (Enbridge Gas Inc.)

I have authority to bind the Corporation.

519-436-4673

Telephone Number (Enbridge Gas Inc.)

Additional Information: (if applicable):

Property Address:

HST Registration Number:

INDIGENOUS¹ CONSULTATION REPORT

1. Enbridge Gas is committed to creating processes that support meaningful engagement with potentially affected Indigenous groups (First Nations and Métis). Enbridge Gas works to build an understanding of project related interests, ensure regulatory requirements are met, mitigate or avoid project-related impacts on Aboriginal interests including rights, and provide mutually beneficial opportunities where possible.
2. Pursuant to the Ontario Energy Board's ("Board") *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition, 2016* ("Guidelines"), Enbridge Gas provided the Ontario Ministry of Energy Northern Development and Mines ("MENDM") with a project description for the 2021-2022 Storage Enhancement Project ("Project") on April 17, 2020. This Project description is set out in Attachment 1 to this Exhibit.
3. Subsequently, on June 17, 2020, Enbridge Gas received a letter ("Delegation Letter") from the MENDM indicating that the MENDM had delegated the procedural aspects of consultation to Enbridge Gas for the Project. The Delegation Letter identified five Indigenous communities to be consulted. A copy of the Delegation Letter is provided in Attachment 1 to this Exhibit.
4. This Indigenous Consultation Report ("ICR") was provided to the MENDM on November 13, 2020. The MENDM will review Enbridge Gas' consultation with Indigenous groups potentially affected by the Project and provide its decision as to

¹ Enbridge Gas has used the terms "Aboriginal" and "Indigenous" interchangeably in its application.

"Indigenous" has the meaning assigned by the definition "aboriginal peoples of Canada" in subsection 35(2) of the *Constitution Act, 1982*.

whether Enbridge Gas' consultation has been sufficient. Upon receipt of the MENDM's decision regarding the sufficiency of Indigenous consultation on the Project, Enbridge Gas will file it with the Board. The sufficiency letter provided by the MENDM will be included as Attachment 2 to this Exhibit.

5. Information gathered during the course of Enbridge Gas' engagement with Indigenous groups was incorporated into the Stage 1 Archaeological Assessment and Environmental Report set out in Exhibit C, Tab 1, Schedule 1 and will be incorporated into the Stage 2 Archaeological Assessment when completed. This work was completed under the auspices of the Guidelines which include duty to consult requirements for hydrocarbon facility proponents.

Aboriginal Engagement Program Objectives

6. The design of the Aboriginal engagement program was based on adherence to the Guidelines and *Enbridge's Indigenous Peoples Policy* and principles as follows:
 - Enbridge Inc. has instituted a company-wide *Indigenous Peoples Policy* ("Policy") (set out in Attachment 3 to this Exhibit). The Policy lays out key principles for establishing relationships with Indigenous groups, which includes, among other things, respect for traditional ways and land, heritage sites, the environment and traditional knowledge.
 - Enbridge Gas has established meaningful relationships, provided timely exchanges of information, understands and addresses Indigenous Project-specific concerns, and ensures ongoing dialogue about its projects, their potential implications and benefits.
 - Enbridge Gas aligns its interests with those of Indigenous communities through meaningful, direct Indigenous economic activity in projects

corresponding to community capacity and project needs, where possible.

- The Indigenous engagement program for the Project recognizes the rights of Indigenous groups and assists Enbridge Gas in engaging in meaningful dialogue with potentially affected Indigenous groups about the Project. It also assists Enbridge Gas in meeting the procedural aspects of consultation that may be required by the Crown and the Guidelines.

Overview of Aboriginal Engagement Program Activities

7. Enbridge Gas conducts its Indigenous consultation generally through phone calls, in-person meetings, Project mail-outs, open houses and email communications. During these engagement activities, Enbridge Gas representatives will provide an overview of the Project, respond to questions and concerns, and address any interests or concerns expressed by Indigenous communities to appropriately mitigate any Project-related impacts. In order to accurately document Indigenous engagement activities and ensure follow-up, applicable supporting documents are tracked using a database.

Ongoing Aboriginal Engagement Activities

8. Enbridge Gas will continue to actively engage all identified Indigenous groups in meaningful ongoing dialogue concerning the Project and endeavor to meet with each Indigenous group, provided they are willing, for the purpose of exchanging information regarding the Project and to respond to inquiries in a timely manner. Enbridge Gas will hear and address concerns as is feasible and seek information on the exercise of, and potential impacts to, Aboriginal and Treaty rights, traditional use in the Project area and how any potential Project-related impacts can be mitigated.

9. Exhibit F, Tab 2, Schedule 1 contains a summary of Enbridge Gas' Indigenous consultation activities for the Project. Exhibit F, Tab 2, Schedule 2 contains the Indigenous consultation log (and associated attachments) for the Project.

10. The information presented in the aforementioned Exhibits reflects Enbridge Gas' Indigenous engagement activities for the Project up to and including November 6, 2020; however, Enbridge Gas will continue to engage during the regulatory process and throughout the life of the Project.

From: [REDACTED]@enbridge.com>
Sent: Friday, April 17, 2020 8:36 AM
To: Delaquis, Dan (ENDM) <Dan.Delaquis@ontario.ca>
Subject: 2021/2022 Storage Enhancement Project

Hi Dan,

Attached you can find a project description for the 2021/2022 Storage Enhancement Project(Project). Pursuant to the Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition, 2016*, Enbridge Gas is providing a description of the Project such that the Ministry of Energy, Northern Development and Mines can determine if it will delegate the procedural aspects of the duty to consult for the Project to Enbridge Gas. If you have any questions please contact me. Regards,

[REDACTED]
Technical Manager, Regulatory Applications
Regulatory Affairs

—
ENBRIDGE GAS INC.
TEL: [REDACTED] | CELL: 647-231-4745 | [REDACTED]@enbridge.com
500 Consumers Road, North York, ON M2J 1P8
enbridge.com
Integrity. Safety. Respect.



Technical Manager
Regulatory Affairs

tel: 416-495-5499
EGJRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
500 Consumers Road
North York, Ontario M2J 1P8
Canada

April 17, 2020

VIA EMAIL – dan.delaquis@ontario.ca

Ministry of Energy, Northern Development and Mines
Dan Delaquis
Manager (Acting), Indigenous Energy Policy
Unit 77 Grenville St.
6th Floor
Toronto, ON
M7A 1B3

Dear Mr. Delaquis:

Re: 2021/2022 Storage Enhancement Project

The *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016* (Guidelines) issued by the Ontario Energy Board (Board) indicate that a project applicant shall provide the Ministry of Energy, Northern Development and Mines (Ministry) with a description of a project, in the planning process, such that the Ministry can determine if there are any Duty to Consult requirements for the project.

The purpose of this letter is to inform the Ministry that Enbridge Gas Inc. (Enbridge Gas) intends to increase the maximum operating pressure (MOP) in three existing storage pools, re-enter an existing well and convert it to a horizontal well, drill an observation well, connect two existing pipelines at a new station and construct a new natural gas pipeline to connect the Payne Storage Pool to the Coruanna Compressor Station (Project).


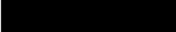
The Project involves:

- Increasing the MOP of the Ladysmith, Corunna, and Seckerton Storage Pools;
- Re-entering the stratigraphic test well TL 9 in the Ladysmith Storage Pool and converting it to a horizontal natural gas storage well (TL 9H) and connecting the well to the gathering system;
- Drilling a new A-1 observation well (TL 8) in the Ladysmith Storage Pool;
- Connecting the existing Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline at a new Crossover Station; and
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in Mooretown, Ontario.

Enbridge Gas will be filing with the Board a leave to vary application, a request for a favourable report from the Board to the Ministry of Natural Resources and Forestry and a leave to construct application in support of the Project. Enbridge Gas is therefore contacting the Ministry to determine whether the Project triggers the Duty to Consult.

Attachment 1 contains a description of the Project's characteristics and its location for the Ministry's review and to assist it with its determination as to whether it will delegate the procedural aspects of the Duty to Consult to Enbridge Gas. While work on the Project is still in its early stages, Enbridge Gas would be pleased to discuss the Project with you should you have any questions.

Regards,

 M.A. CFA
Technical Manager, Regulatory Applications
Enbridge Gas Inc.


Attachment 1: 2021/2022 Storage Enhancement Project

1.0 Project Summary

Enbridge Gas inc. (Enbridge Gas) is proposing to increase the maximum operating pressure (MOP) of three existing natural gas storage pools, to drill a new natural gas storage well and a new observation well, to construct a new station to connect the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline, and to construct a new natural gas pipeline to connect an existing natural gas storage pool to the Corunna Compressor Station.

The three storage pools for which the MOP will be increased are the Ladysmith Storage Pool, Corunna Storage Pool and the Seckerton Storage Pool.

The natural gas storage well will be created by re-entering a previously drilled stratigraphic test well (TL 9) in the Ladysmith Designated Storage Area (DSA) and converting it to a horizontal natural gas storage well (TL 9H).

A new A-1 observation well (TL 8) will be drilled in the Ladysmith DSA to monitor the gas content and pressure in the underground storage formations, which will assist in the continued safe and reliable operation of Enbridge Gas's storage facilities.

A new Crossover Station will be constructed in Lot 19, Concession 7 of Moore Township to connect the Ladysmith Storage Pool pipeline and the Payne Storage Pool pipeline.

The new natural gas pipeline will connect the Payne Storage Pool to the main Corunna Compressor Station located on Tecumseh Road in Mooretown, Ontario. It will be approximately 2.2 km in length and will follow a right of way and an existing pipeline corridor.

All of the aforementioned storage pools are part of Enbridge Gas's storage operations. Each of the storage pools is a DSA as defined in the *Ontario Energy Board Act, 1998*.

The Project requires the installation of new emergency shut down valves and performing wellhead upgrades on existing natural gas storage wells within the Corunna and Seckerton DSAs, in order to increase the MOP of each of these storage pools. The existing wells in the Ladysmith DSA already have emergency shut down valves and the wellheads do not require upgrades.

It is proposed that the well work required for the MOP increase be completed from April 2021 to October 2021. Drilling of well TL 9H and well TL 8 is expected to occur from March 2021 to July 2021. Work for constructing the new crossover station and for constructing the new natural gas pipeline is expected to be completed from April 2022 to October 2022.

Enbridge Gas plans to file an application with the Ontario Energy Board (Board) which will make several requests of the Board. The application will include a request for leave to vary the current MOP of the Ladysmith, Corunna and Seckerton Storage Pools. The application will also include a request for a favourable report from the Board to the Ministry of Natural Resources and Forestry (MNR) for the drilling of wells TL 9H and well TL 8. Finally, the application will include a request for leave to construct the new natural gas pipeline.

Enbridge Gas will ensure that it has fulfilled all of the relevant requirements of CSA Z341, as they relate to the new natural gas storage and observation wells and the MOP increase, to the satisfaction of the MNRF.

Enbridge Gas will conduct engineering and geological studies to verify the ability to increase the MOP of the Ladysmith, Corunna and Seckerton Storage Pools. No new lands are required for the work to be completed on the natural gas storage wells in each of the Corunna and Seckerton DSAs. All work will take place on previously disturbed land either owned by Enbridge Gas or for which Enbridge Gas has the right to enter into and upon for the purposes of its natural gas storage operations.

Drilling of well TL 9H, will occur on previously disturbed lands owned by Enbridge Gas. These lands are leased to a tenant farmer. Once the well is drilled a lateral pipeline will be installed from the well to the Ladysmith Storage Pool gathering system. Well TL 8 will be drilled on third party lands that Enbridge Gas has the right to enter into and upon for the purposes of its natural gas storage operations. No pipeline will be required for this observation well.

The new Ladysmith to Payne Crossover Station will be built at the intersection of the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline and will be located in close proximity to the existing Payne-Kimball Station, located in Lot 19, Concession 7 of Moore Township. The new station will route and control gas from the Ladysmith Storage Pool to the Dawn Compressor Station via the Payne Storage Pool pipeline. Control valves will be installed to allow the higher pressured gas from the Ladysmith Storage Pool to be reduced to the MOP of the Payne Storage Pool pipeline and will allow the flow of gas from the Ladysmith Storage Pool to Dawn Compressor Station via the Payne Storage Pool pipeline. The proposed Crossover Station will also have the function of routing gas between the Dawn Compressor Station, the Corunna Compressor Station, the Payne Storage Pool and the Ladysmith Storage Pool as required by the Enbridge Gas Operations Group.

The new pipeline from the Payne Storage Pool to the Corunna Storage Pool will require the construction of approximately 2.2 km of nominal pipe size (NPS) 24 inch steel natural gas pipeline. The preliminary preferred route for this pipeline commences at the Payne Storage Pool compressor station where it will interconnect with existing facilities. From there it travels north along Ladysmith Road to the intersection of Ladysmith Road and an existing natural gas pipeline corridor. From there it travels east along the existing natural gas pipeline corridor to the Corunna Compressor Station yard where it will tie in to existing facilities. Enbridge Gas is also considering alternative routes for the new pipeline.

Figure 1 below shows the location of the Ladysmith DSA and the proposed location of well TL 9H and well TL 8. Figure 2 shows the location of the Corunna DSA and all natural gas wells contained therein. Figure 3 shows the location of the Seckerton DSA and all natural gas wells contained therein. Figure 4 shows the location of the new Crossover Station as well as the preliminary preferred route (shown as Option A) and the alternative routes for the new natural gas pipeline from the Payne Storage Pool to the Corunna Compressor Station.

2.0 Project Information

Enbridge Gas currently operates approximately 280 billion cubic feet of natural gas storage in 35 DSAs. Enbridge Gas is involved in the sale, transmission, distribution and storage of natural gas. As part of its business, Enbridge Gas provides gas storage services to third parties, such as power generators or other natural gas utilities. These third parties purchase storage capacity from Enbridge Gas and in turn use that storage capacity to meet their gas demand requirements. The gas storage services offered by Enbridge Gas allow these third parties to optimize their gas purchases. Over 100 customers have gas storage contracts with Enbridge Gas. The additional storage capacity and deliverability created by the Project will be offered as storage services to natural gas market participants.

The Ladysmith Storage Pool has been in operation since 1999. There are 2 natural gas storage wells, 1 observation well and 1 stratigraphic test well in the Ladysmith DSA. The Corunna and Seckerton Storage Pools have both been in operation since 1964. There are 5 natural gas storage wells and 1 observation well in the Corunna DSA and 11 natural gas storage wells and 3 observation wells in the Seckerton DSA.

The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations. The additional storage capacity and deliverability created by the Project will be sold to third parties as part of Enbridge Gas's unregulated storage portfolio.

3.0 Authorizations and Recommendations Required

An Environmental Report (ER) will be completed for the Project. Enbridge Gas either owns the lands within or has Gas Storage Lease Agreements and Petroleum & Natural Gas Lease Agreements in place for all of the DSAs. Permanent or temporary access roads will be required to complete the work required for some of the wells.

Where possible, the new NPS 24 pipeline will be located within existing road allowances and pipeline corridors. Temporary working space and laydown areas may also be required adjacent to these areas to facilitate the movement and storage of equipment necessary for construction. Enbridge Gas will work with impacted parties to identify and secure appropriate working space as required.

Work for preparation of an ER has been initiated. The ER will examine the preliminary preferred route for the new pipeline against alternative routes and determine, from an environmental and socio-economic perspective, the preferred route for the new pipeline. Engineering design is expected to be finalized during the permitting stage of the Project.

The ER will be prepared using the Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines in Ontario, 7th Edition (2016)* (Guidelines). The ER will identify potential authorizations required. Enbridge Gas's preliminary work on the Project has identified the following potential authorizations:

Provincial approvals:

- Ontario Energy Board
- Ministry of Natural Resources and Forestry
- Ministry of Heritage, Sport, Tourism and Cultural Industries
- Ministry of the Environment, Conservation and Parks

Municipal approvals:

- Township of St. Clair
- County of Lambton

Other approvals:

- St. Clair Region Conservation Authority
- Hydro One Networks Inc.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

4.0 Project Activities

Planning and design activities for the Project commenced in 2019 and will continue into 2022. Pursuant to the Guidelines an ER will be prepared and archaeological studies will be completed where and as required.

The MOP increase and the drilling of well TL 9H will be planned in accordance with the requirements of CSA Z341 – Storage of Hydrocarbons in Underground Formations. Pursuant to the requirements of CSA Z341 the following studies and reviews will be completed to support the Project:

- Engineering studies to confirm that the maximum safe operating pressure for each pool exceeds the proposed MOP for each pool;
- An assessment of neighbouring activities to determine the impact of the Project on: a) wells within 1 km, b) operations within 5 km, and c) the integrity of all wells penetrating the storage zone; and
- A “what if” analysis of hazards and operability (HAZOP) for each of the storage pools.

Upon receiving a drilling license from the MNRF Enbridge Gas will commence operations to drill well TL 9H and well TL 8.

Upon receiving leave to construct for the new NPS 24 pipeline Enbridge Gas will finalize the design and procurement phase for the pipeline. The design process involves the selection of a specific running line location, appropriate materials, the selection of valves/fittings and locations/methods to be used to install the pipeline. Geotechnical studies may be required.

Information obtained from geotechnical studies (if required), subsurface utility engineering and soil sampling is used to inform pipeline design. Engineered drawings will be produced with the final design and issues to local municipalities and other regulators for approval. Once all approvals are obtained final engineered drawings will be prepared for construction.

The pipeline may be installed via open trench and/or trenchless technologies. Minimum depth of ground cover over the pipeline will be 1.2 metres, however it may be installed deeper to provide additional protection in area where it crosses underneath existing infrastructure and other sensitive environmental and/or socio-economic features.

A copy of the application filed with the Board will be provided to all landowners in the Ladysmith DSA, the Corunna DSA, the Seckerton DSA, the Payne DSA and along the NPS 24 pipeline route.

5.0 Potential Environmental Effects and Mitigation Measures

The ER will assess physical, natural and socio-economic features potentially impacted by construction activities. Mitigation measures will be recommended as part of the ER to minimize potential adverse effects to the environment. It is expected that the majority of adverse environmental and/or socio-economic effects will be construction related. These effects are expected to be temporary and transitory.

Mitigation measures recommended in the ER will be followed in conjunction with Enbridge Gas's Construction and Maintenance Manual. In addition, Enbridge Gas will use professional judgement, past experience, industry best practices and any additional feedback received through the consultation process when constructing the Project.

6.0 Project Benefits

Demand for natural gas storage is expected to continue to increase. The Project will allow Enbridge Gas to expand its storage capacity and deliverability and provide additional storage services to natural gas market participants.

7.0 Contact Information

Regulatory Affairs:

[Redacted]
[Redacted]@enbridge.com
[Redacted]

Technical / MNR Contact:

[Redacted]
[Redacted]@enbridge.com
[Redacted]

Indigenous Affairs:

[Redacted]
[Redacted]@uniongas.com
[Redacted]

Figure 1: Ladysmith DSA & Proposed Location of Well TL 9H and TL 8

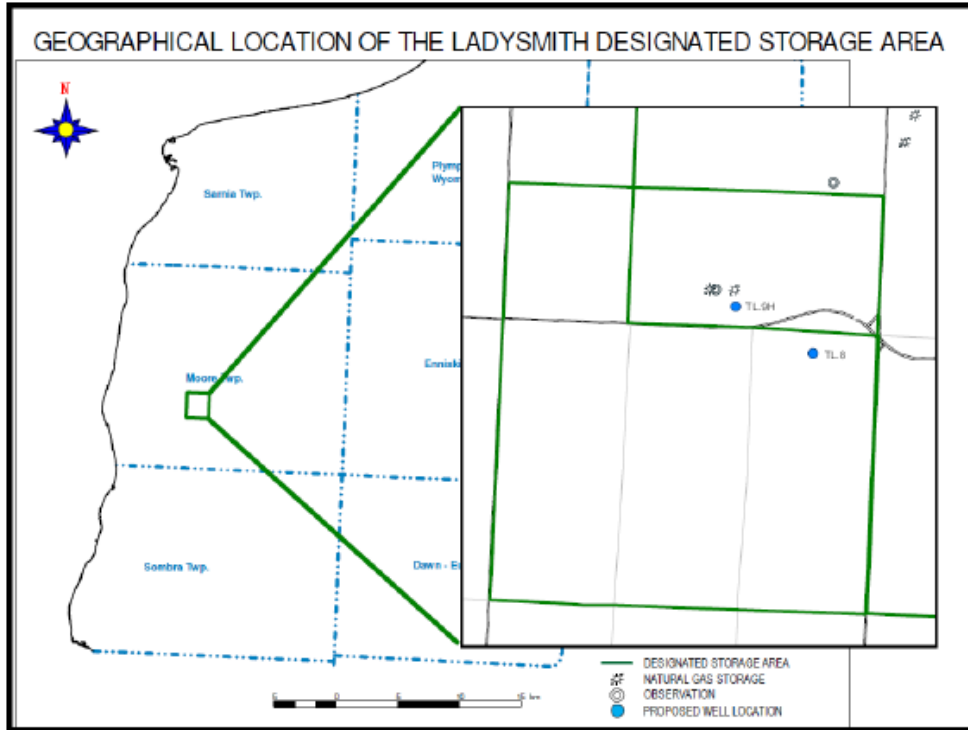


Figure 2: Corunna DSA

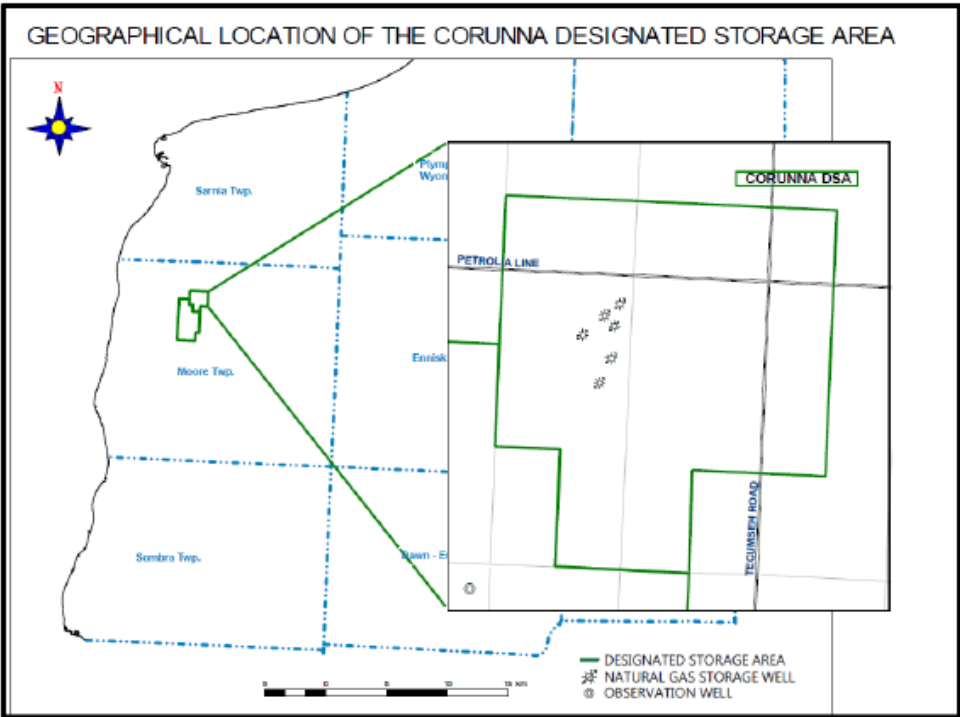


Figure 3: Seckerton DSA

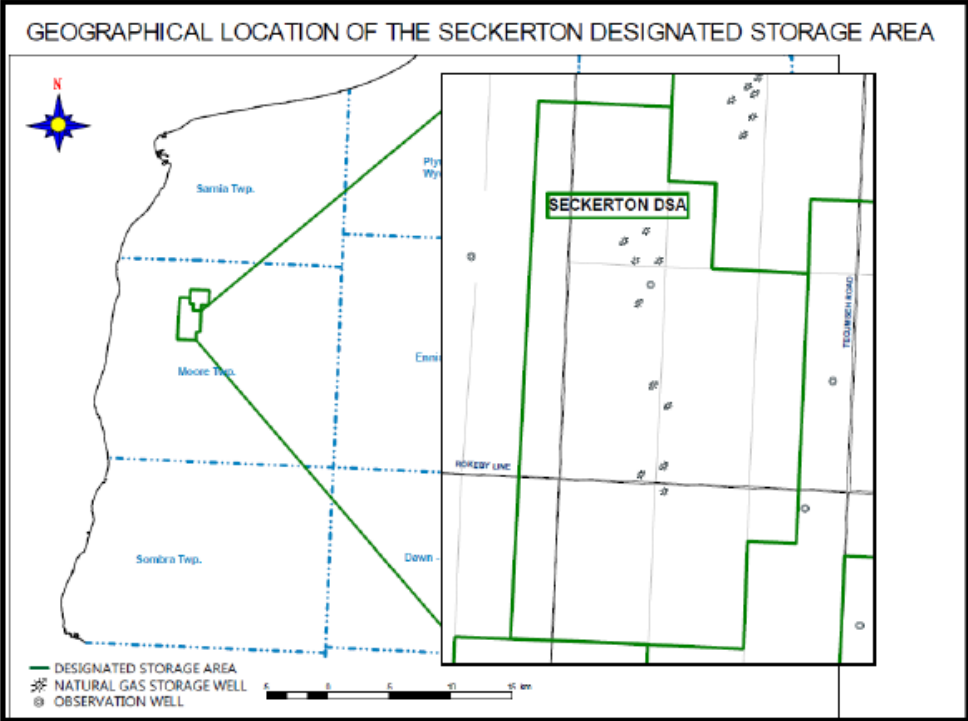
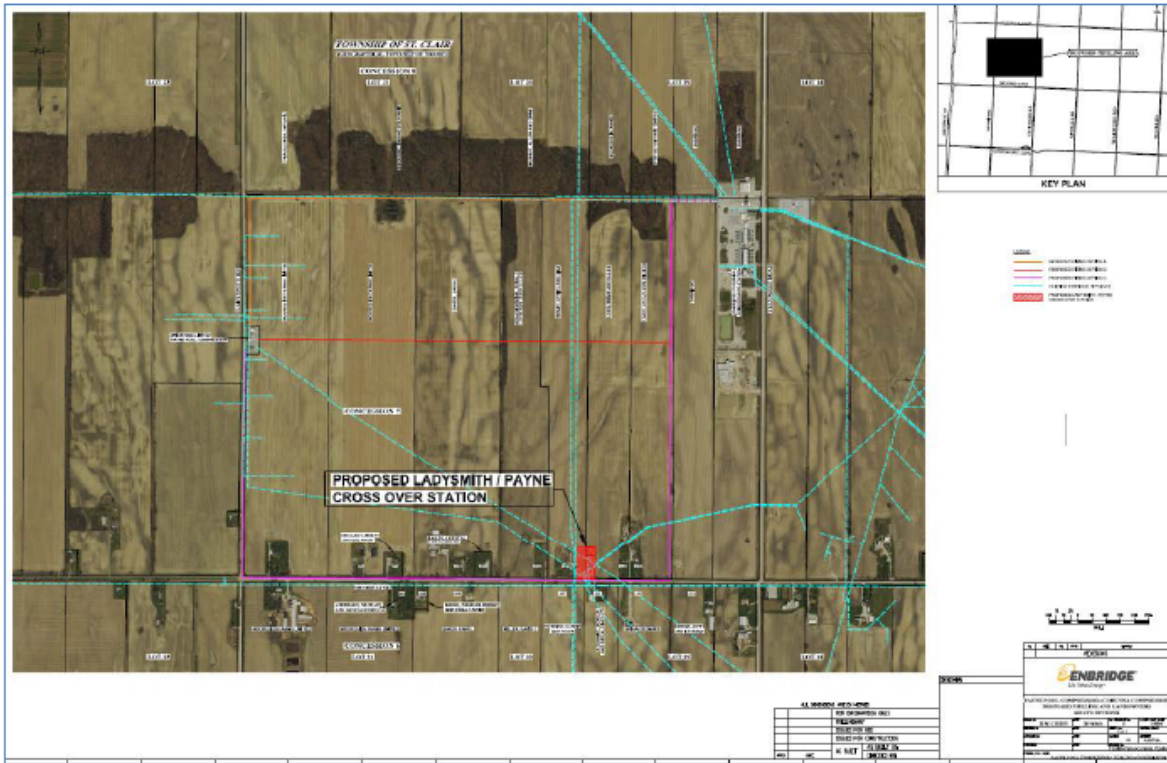


Figure 4: Crossover Station Location & Routing for New NPS 24 Pipeline



From: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Sent: Friday, May 1, 2020 1:32 PM
To: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Subject: [External] 2021/2022 Storage Enhancement Project Maps

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

I hope this email finds you well. I'm reviewing the information you sent to MENDM regarding the 2021/2022 Storage Enhancement Project, could you please send the maps contained in your letter dated April 17, 2021 in a separate MS Word file? They're a bit difficult to read, Figure 4: Crossover Station Location & Routing For New NPS 24 Pipeline being quite unclear. It would be greatly appreciated.

Best,

Kristen

A/Policy Advisor
Indigenous Energy Policy Unit
Cell: 416- 735-3297 E-mail: kristen.bromfield@ontario.ca
Ministry of Energy, Northern Development and Mines

From: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Sent: May 4, 2020 8:37 AM
To: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Subject: RE: 2021/2022 Storage Enhancement Project Maps

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Morning Kristen,

Let me know if these are easier to work with.

[REDACTED]

From: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Sent: Monday, May 4, 2020 3:46 PM
To: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Subject: [External] RE: 2021/2022 Storage Enhancement Project Maps

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi [REDACTED]

Thanks for sending these, yes they are easier to work with..

Kristen

From: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Sent: June 10, 2020 3:30 PM
To: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Subject: RE: 2021/2022 Storage Enhancement Project Maps

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Kristen,

Hope all is well with you and yours. Wanted to give you an update on this project. I'll be providing an updated project description to you within the next week or so. Additional facilities have been added to the project scope.

[REDACTED]

From: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Sent: Wednesday, June 10, 2020 5:02 PM
To: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Subject: [External] RE: 2021/2022 Storage Enhancement Project Maps

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Thanks [REDACTED] I will update the project file when I receive them.

Take care,

Kristen

From: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Sent: June 16, 2020 10:57 AM
To: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Cc: Delaquis, Dan (ENDM) <Dan.Delaquis@ontario.ca>
Subject: RE: 2021/2022 Storage Enhancement Project Maps

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Kristen,

Further to my email below please see the attached for an updated project description for the 2021/2022 Storage Enhancement Project. Additional facilities are as follows: Upsizing the gathering system in Ladysmith, and installation of valving and station piping at Ladysmith. I've also attached the map showing these additions (which is included as Figure 5 in the project description) which I

hope will be a bit easier to work with.

[REDACTED]

From: Bromfield, Kristen (ENDM) <Kristen.Bromfield@ontario.ca>
Sent: Wednesday, June 17, 2020 3:46 PM
To: [REDACTED]@enbridge.com>
Cc: Delaquis, Dan (ENDM) <Dan.Delaquis@ontario.ca>
Subject: [External] RE: Duty to Consult - 2021/2022 Storage Enhancement Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi [REDACTED]

Please find attached ENDM's delegation letter for the 2021/2022 Storage Enhancement Project. If you or your team have any questions, feel free to reach out to myself or Dan.

Best,

Kristen

A/Policy Advisor
Indigenous Energy Policy Unit
Cell: 416- 735-3297 E-mail: kristen.bromfield@ontario.ca
Ministry of Energy, Northern Development and Mines

Ministry of Energy, Northern
Development and Mines

Ministère de l'Énergie, du
Développement du Nord et des
Mines

77 Grenville Street
6th Floor
Toronto ON M7A 2C1

77, rue Grenville
6^e étage
Toronto ON M7A 2C1



VIA EMAIL

June 17, 2020

[REDACTED]
Technical Manager, Regulatory Applications
Enbridge Gas Distribution
500 Consumers Road,
North York, ON

Re: 2021/2022 Storage Enhancement Project

Dear [REDACTED]

Thank you for your email dated April 17, 2020 and the project update email dated June 16, 2020 notifying the Ministry of Energy, Northern Development and Mines (ENDM) of Enbridge Gas Distribution's intention to apply to the Ontario Energy Board (OEB) for Leave to Construct for the 2021/2022 Storage Enhancement Project (the Project).

I understand that Enbridge Gas Distribution intends to increase the maximum operating pressure (MOP) in three existing storage pools, re-enter an existing well and convert it to a horizontal well, drill an observation well, upgrade an existing natural gas gathering pipeline; installation of bi-directional valve and station piping at an existing station, connect two existing pipelines at a new station and construct a new natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station (Project).

The Project involves:

- Increasing the MOP of the Ladysmith, Corunna, and Seckerton Storage Pools;
- Re-entering the stratigraphic test well TL 9 in the Ladysmith Storage Pool and converting it to a horizontal natural gas storage well (TL 9H) and connecting the well to the gathering system;
- Drill a new A-1 observation well (TL 8) in the Ladysmith Storage Pool;
- Upgrade existing gathering system at the Ladysmith Storage Pool from NPS 16 to NPS 20;
- Installation of NPS 16 Bi-directional valve and station piping within the Ladysmith Station;
- Connecting the existing Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline at a new Crossover Station; and

- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in Mooretown, Ontario.

On behalf of the Government of Ontario (the Crown), ENDM has reviewed the information provided by Enbridge Gas Distribution with respect to the Project and assessed it against the Crown's current understanding of the interests and rights of Aboriginal communities who hold or claim Aboriginal or treaty rights protected under Section 35 of Canada's Constitution Act 1982 (Indigenous Communities) in the area. In doing so, ENDM has determined that the Project may have the potential to affect such Indigenous communities.

The Crown has a constitutional duty to consult and, where appropriate, accommodate Indigenous communities when the Crown contemplates conduct that might adversely impact established or asserted Aboriginal or Treaty rights. These consultations are in addition to consultation imposed by statute.

While the legal responsibility to meet the duty to consult lies with the Crown, the Crown may delegate the day-to-day, procedural aspects of consultation to project Proponents. Such a delegation by the Crown to Proponents is routine practice for ENDM.

I am writing to advise you that on behalf of the Crown, ENDM is delegating the procedural aspects of consultation in respect of the Project to Enbridge Gas Distribution (Proponent) through this letter. ENDM expects that the Proponent will undertake the procedural aspects of consultation with respect to any regulated requirements for the proposed Project. The Crown will fulfill the substantive aspects of consultation and retain oversight over all aspects of the process for fulfilling the Crown's duty.

Please see the appendix for information on the roles and responsibilities of both the Crown and the Proponent.

Based on the Crown's assessment of First Nation and Métis community rights and potential project impacts, the following Indigenous communities should be consulted on the basis that they have or may have constitutionally protected Aboriginal or Treaty rights that may be adversely affected by the Project.

Community	Mailing Address
Aamjiwnaang First Nation	978 TASHMOO AVENUE, SARNIA, ON, N7T 7H5
Bkejwanong (Walpole Island First Nation)	RR 3, WALLACEBURG, ON, N8A 4K9
Chippewas of the Thames First Nation	RR 1, MUNCEY, ON, N0L 1Y

Chippewas of Kettle and Stony Point	6247 INDIAN LANE, KETTLE AND STONY POINT FIRST NATION, ON, N0N 1J1
Oneida Nation of the Thames	RR 2, SOUTHWOLD, ON, N0L 2G0

This rights-based consultation list is based on information that is subject to change. Consultation is ongoing throughout the duration of the project, including project development and design, consultation, approvals, construction, operation and decommissioning. First Nation and Métis communities may make new rights assertions at any time, and further project related developments can occur that may require additional First Nation and/or Métis communities to be notified and/or consulted.

If you become aware of potential rights impacts on Indigenous communities that are not listed above at any stage of project, please bring this to the attention of ENDM with any supporting information regarding the claim at your earliest convenience.

ENDM is assuming a coordinating role within government in relation to rights-based Aboriginal consultation on the Project. We recommend contacting the following ministry representatives if you have any questions or concerns relating to a specific ministry's mandate:

Ministry/Contact	Phone/Email
Ministry of Energy, Northern Development and Mines Kristen Bromfield – Policy Advisor, Indigenous Energy Policy Unit	416- 735-3297 kristen.bromfield@ontario.ca
Ministry of Environment, Conservation and Parks Peter Brown – Consultation Advisor, Environmental Assessment and Permissions Division	416-314-0149 peter.brown@ontario.ca
Ministry of Transportation Donna Bigelow – Team Lead, Indigenous Relations Branch	647-537-9423 donna.bigelow@ontario.ca
Ministry of Government and Consumer Services Joe Vecchiolla – Policy Lead, Infrastructure Projects Realty	647-267-3247 joseph.vecchiolla@ontario.ca

Ministry of Natural Resources and Forestry Ken Vanevery - Resource Liaison Specialist, Regional Operations Division	519-773-4718 Ken.Vanevery@ontario.ca
Ministry of Heritage Sport Tourism and Culture Industries Karla Barboza - Acting Team Lead, Heritage Unit	(416) 314-7120 Karla.Barboza@ontario.ca

Acknowledgement

By accepting this letter, the Proponent acknowledges this Crown delegation and the procedural consultation responsibilities enumerated in the appendix. If you have any questions about this request, you may contact Kristen Bromfield (see above).

I trust that this information provides clarity and direction regarding the respective roles of the Crown and Enbridge Gas Distribution. If you have any questions about this letter or require any additional information, please contact me directly.

Sincerely,



Dan Delaquis
Manager, Indigenous Energy Policy

C: Ontario Pipeline Coordinating Committee (OPCC) *[if required]*

APPENDIX: PROCEDURAL CONSULTATION

Roles and Responsibilities Delegated to the Proponent

On behalf of the Crown, please be advised that your responsibilities as Project Proponent for this Project include:

- providing notice and information about the Project to Indigenous communities, with sufficient detail and at a stage in the process that allows the communities to prepare their views on the Project and, if appropriate, for changes to be made to the Project. This can include:
 - accurate, complete and plain language information including a detailed description of the nature and scope of the Project and translations into Aboriginal languages where appropriate;
 - maps of the Project location and any other affected area(s);
 - information about the potential negative effects of the Project on the environment, including their severity, geographic scope and likely duration. This can include, but is not limited to, effects on ecologically sensitive areas, water bodies, wetlands, forests or the habitat of species at risk and habitat corridors;
 - a description of other provincial or federal approvals that may be required for the Project to proceed;
 - whether the Project is on privately owned or Crown controlled land;
 - any information the Proponent may have on the potential effects of the Project, including particularly any likely adverse impacts on established or asserted Aboriginal or treaty rights;
 - a written request asking the Indigenous community to provide in writing or through a face-to-face meeting:
 - any information available to them that should be considered when preparing the Project documentation;
 - any information the community may have about any potential adverse impacts on their Aboriginal or treaty rights; and
 - any suggested measures for avoiding, minimizing or mitigating potential adverse impacts;
 - information about how information provided by the Indigenous community as part of the consultation process will be collected, stored, used, and shared for their approval;

- identification of any mechanisms that will be applied to avoid, minimize or mitigate potential adverse impacts;
 - identification of a requested timeline for response from the community and the anticipated timeline for meeting Project milestones following each notification;
 - an indication of the Proponent's availability to discuss the process and provide further information about the Project;
 - the Proponent's contact information; and
 - any additional information that might be helpful to the community;
- following up, as necessary, with Indigenous communities to ensure they received Project notices and information and are aware of the opportunity to comment, raise questions or concerns and identify potential adverse impacts on their established or asserted rights;
 - gathering information about how the Project may adversely affect Aboriginal or treaty rights;
 - bearing the reasonable costs associated with the procedural aspects of consultation (paying for meeting costs, making technical support available, etc.) and considering reasonable requests by communities for capacity funding to assist in participating in the consultation process;
 - considering and responding to comments and concerns raised by Indigenous communities and answering questions about the Project and its potential impacts on Aboriginal or treaty rights;
 - as appropriate, discussing and implementing changes to the Project in response to concerns raised by Indigenous communities. This could include modifying the Project to avoid or minimize an impact on an Aboriginal or treaty right (e.g. altering the season when construction will occur to avoid interference with mating or migratory patterns of wildlife); and
 - informing Indigenous communities about how their concerns were taken into consideration and whether the Project proposal was altered in response. It is considered a best practice to provide the Indigenous community with a copy of the consultation record as part of this step for verification.

If you are unclear about the nature of a concern raised by an Indigenous community, you should seek clarification and further details from the community, provide opportunities to listen to community concerns and discuss options, and clarify any issues that fall outside the scope of the consultation process. These steps should

be taken to ensure that the consultation process is meaningful and that concerns are heard and, where possible, addressed.

You can also seek guidance from the Crown at any time. It is recommended that you contact the Crown if you are unsure about how to deal with a concern raised by an Indigenous community, particularly if the concern relates to a potential adverse impact on established or asserted Aboriginal or treaty rights.

The consultation process must maintain sufficient flexibility to respond to new information, and we request that you make all reasonable efforts to build positive relationships with all Indigenous communities potentially affected by the Project. If a community is unresponsive to efforts to notify and consult, you should nonetheless make attempts to update the community on the progress of the Project, the environmental assessment (if applicable) and other regulatory approvals.

If you reach a business arrangement with an Indigenous community that may affect or relate to the Crown's duty to consult, we ask that that Crown be advised of those aspects of such an arrangement that may relate to or affect the Crown's consultation obligations, and that the community itself be apprised of the Proponent's intent to so-appraise the Crown. Whether or not any such business arrangements may be reached with any community, the Crown expects the Proponent to fulfill all of its delegated procedural consultation responsibilities to the satisfaction of the Crown.

If the Crown considers that there are outstanding issues related to consultation, the Crown may directly undertake additional consultation with Indigenous communities, which could result in delays to the Project. The Crown reserves the right to provide further instructions or add communities throughout the consultation process.

Roles and responsibilities assumed directly by the Crown

The role of the Crown in fulfilling any duty to consult and accommodate in relation to this Project includes:

- identifying for the Proponent, and updating as appropriate, the Indigenous communities to consult for the purposes of fulfillment of the Crown duty;
- carrying out, from time to time, any necessary assessment of the extent of consultation or, where appropriate, accommodation, required for the project to proceed;
- supervising the aspects of the consultation process delegated to the Proponent;
- determining in the course of Project approvals whether the consultation of Indigenous communities was sufficient;

- determining in the course of Project approvals whether accommodation of Indigenous communities, if required, is appropriate and sufficient.

Consultation Record

It is important to ensure that all consultation activities undertaken with Indigenous communities are fully documented. This includes all attempts to notify or consult the community, all interactions with and feedback from the community, and all efforts to respond to community concerns. Crown regulators require a complete consultation record in order to assess whether Aboriginal consultation and any necessary accommodation is sufficient for the Project to receive Ontario government approvals. The consultation record should include, but not be limited to, the following:

- a list of the identified Indigenous communities that were contacted;
- evidence that notices and Project information were distributed to, and received by, the Indigenous communities (via courier slips, follow up phone calls, etc.). Where a community has been non-responsive to multiple efforts to contact the community, a record of such multiple attempts and the responses or lack thereof.
- a written summary of consultations with Indigenous communities and appended documentation such as copies of notices, any meeting summaries or notes including where the meeting took place and who attended, and any other correspondence (e.g., letters and electronic communications sent and received, dates and records of all phone calls);
- responses and information provided by Indigenous communities during the consultation process. This includes information on Aboriginal or treaty rights, traditional lands, claims, or cultural heritage features and information on potential adverse impacts on such Aboriginal or treaty rights and measures for avoiding, minimizing or mitigating potential adverse impacts to those rights; and
- a summary of the rights/concerns, and potential adverse impacts on Aboriginal or treaty rights or on sites of cultural significance (e.g. burial grounds, archaeological sites), identified by Indigenous communities; how comments or concerns were considered or addressed; and any changes to the Project as a result of consultation, such as:
 - changing the Project scope or design;
 - changing the timing of proposed activities;
 - minimizing or altering the site footprint or location of the proposed activity;
 - avoiding impacts to the Aboriginal interest;

- environmental monitoring; and
- other mitigation strategies.

As part of its oversight role, the Crown may, at any time during the consultation and approvals stage of the Project, request records from the Proponent relating to consultations with Indigenous communities. Any records provided to the Crown will be subject to the *Freedom of Information and Protection of Privacy Act*, however may be exempted from disclosure under section 15.1 (Relations with Aboriginal communities) of the Act. Additionally, please note that the information provided to the Crown may also be subject to disclosure where required under any other applicable laws.

The contents of what will make up the consultation record should be shared at the onset with the Indigenous communities consulted with and their permission should be obtained. It is considered a best practice to share the record with the Indigenous community prior to finalizing it to ensure it is a robust and accurate record of the consultation process.

SUFFICIENCY LETTER

1. The sufficiency letter provided by the Ministry of Energy, Northern Development and Mines for the 2020/2021 Storage Enhancement Project will be filed with the Ontario Energy Board once it has been received by Enbridge Gas Inc..

Enbridge Inc. Indigenous Peoples Policy

Enbridge Indigenous Peoples Policy

Enbridge recognizes the diversity of Indigenous Peoples who live where we work and operate. We understand that the history of Indigenous Peoples in both Canada and the United States has had destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge recognizes the importance of reconciliation between Indigenous communities and broader society. Positive relationships with Indigenous Peoples, based on mutual respect and focused on achieving common goals, will create constructive outcomes for Indigenous communities and for Enbridge.

Enbridge commits to pursuing sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge conducts business. To achieve this, Enbridge will govern itself by the following principles:

- We recognize the legal and constitutional rights possessed by Indigenous Peoples in Canada and in the U.S., and the importance of the relationship between Indigenous Peoples and their traditional lands and resources. We commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply, and we commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- We recognize the importance of the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) within the context of existing Canadian and U.S. law and the commitments that governments in both countries have made to protecting the rights of Indigenous Peoples.

- We engage in forthright and sincere consultation with Indigenous Peoples about Enbridge's projects and operations through processes that seek to achieve early and meaningful engagement so their input can help define our projects that may occur on lands traditionally used by Indigenous Peoples.
- We commit to working with Indigenous Peoples to achieve benefits for them resulting from Enbridge's projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.
- We foster understanding of the history and culture of Indigenous Peoples among Enbridge's employees and contractors, in order to create better relationships between Enbridge and Indigenous communities.

This commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors, and we will conduct business in a manner that reflects the above principles. Enbridge will provide ongoing leadership and resources to ensure the effective implementation of the above principles, including the development of implementation strategies and specific action plans.

Enbridge commits to periodically reviewing this policy to ensure it remains relevant and meets changing expectations.

INDIGENOUS CONSULTATION REPORT: SUMMARY TABLES

Aamjiwnaang First Nation (“AFN”) Environment Coordinator 519-336-8410		
Was project information provided to the community?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On August 10, 2020, an Enbridge representative notified Chief Plain and the AFN representative of the 2021-2022 Storage Enhancement project (“Project”. The Project notification letter included a map and description of the Project. No response was received.</p> <p>On August 14, 2020, an Enbridge representative sent an additional notification letter to Chief Plain and the AFN representative of the Project. The Project notification letter included a map and description of the Project. No response was received.</p> <p>On October 6, 2020, an Enbridge representative emailed AFN’s Environment Coordinator to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board’s <i>Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016</i> (“Guidelines”). The Enbridge representative also indicated that they would like to set up a virtual meeting to provide the community with an opportunity to ask any questions and provide their views on the potential impact the Project may have on the community’s rights and interests.</p> <p>On October 22, 2020, an Enbridge representative emailed AFN’s Environment Coordinator to see if a virtual consultation meeting could be set up to discuss the Project. On the same day, the AFN Environment Coordinator responded advising that the Environment Committee would be meeting in person on November 3, 2020 at the Aamjiwnaang Community Center. She asked whether the Enbridge representative was able to attend the meeting. The Enbridge representative responded</p>

		<p>advising that she would be able to meet on November 3 in the morning.</p> <p>On October 29, 2020, AFN's Environment Coordinator emailed the Enbridge representative advising that the Environment Committee would be meeting in person on November 17, 2020 at the Aamjiwnaang Community Center. He asked whether the Enbridge representative were able to attend the meeting. The Enbridge representative responded advising that this date would work well for the Enbridge team to meet and 5pm was set as the time.</p>
<p>Was the community responsive/did you have direct contact with the community?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>AFN and Enbridge representatives have communicated over email and will be meeting in person. A meeting is set for November 17, 2020.</p>
<p>Did the community members or representatives have any questions or concerns?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>At this time, there have been no questions from the AFN environmental committee. A meeting is set for November 17, 2020.</p>
<p>Does the community have any outstanding concerns?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>To date, there are no outstanding concerns from AFN. Enbridge will continue to engage with AFN regarding the Project.</p>

Chippewas of Kettle and Stony Point First Nation (“CKSPFN”) Consultation Coordinator 519-786-2125		
Was project information provided to the community?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<p>On August 10, 2020, an Enbridge representative notified Chief Henry and CKSPFN representatives of the Project. The Project notification letter included a map and description of the Project.</p> <p>On August 14, 2020, an Enbridge representative sent an additional notification letter to Chief Henry and CKSPFN representatives of the Project. The Project notification letter included a map and description of the Project.</p> <p>On October 6, 2020, an Enbridge representative emailed Chief Henry and CKSPFN representatives to advise that the Environmental Report was available for the Project and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board’s Guidelines. The Enbridge representative also indicated that they would like to set up a virtual meeting to provide the community with an opportunity to ask any questions and provide their views on the potential impact the Project may have on the community’s rights and interests.</p> <p>On October 15, 2020, an Enbridge representative emailed the CKSPFN representative to set up a time to virtually meet on a couple of Projects.</p> <p>On October 22, 2020, an Enbridge representative sent an email to CKSPFN representatives requesting a virtual meeting to discuss the Project.</p> <p>On November 6, 2020, an Enbridge representative called the CKSPFN band office to speak with the CKSPFN representative. A message was left with a contact number asking for a return call.</p>

<p>Was the community responsive/did you have direct contact with the community?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>There has been no response from the community. Enbridge will continue to try to engage with CKSPFN regarding the Project.</p>
<p>Did the community members or representatives have any questions or concerns?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>At this point, there are no questions or concerns.</p>
<p>Does the community have any outstanding concerns?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>To date, CKSPFN does not have any outstanding concerns; however, the Enbridge representative will continue to engage with CKSPFN regarding the Project.</p>
<p>Chippewas of the Thames First Nation (“COTTFN”) Consultation Coordinator 519-289-5555</p>		
<p>Was project information provided to the community?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>On August 10, 2020, an Enbridge representative notified Chief French and COTTFN representatives of the Project. The Project notification letter included a map and description of the Project. On August 12, 2020, the COTTFN representative sent a letter to the Enbridge representative confirming receipt of the Project notification and advising that after reviewing the Project information, they have identified minimal</p>

	<p>concerns. They requested that as the Project progresses and studies are completed, they be forwarded to consultation@cottfn.com. COTTFN also advised that if an Archaeology Assessment will be conducted, they require notification and an opportunity to actively participate by sending First Nation Field Liaisons on behalf of COTTFN.</p> <p>On August 14, 2020, an Enbridge representative sent an additional notification letter to Chief French and the COTTFN representative of the Project. The Project notification letter included a map and description of the Project. No response was received.</p> <p>On October 6, 2020, an Enbridge representative emailed the COTTFN representatives to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board's Guidelines. The Enbridge representative also indicated that they would like to set up a virtual meeting to provide the community with an opportunity to ask any questions and provide their views on the potential impact the Project may have on the community's rights and interests.</p> <p>On October 22, 2020, an Enbridge representative was corresponding with the COTTFN regarding a different Project and confirmed a meeting date of November 3 to discuss multiple projects.</p> <p>On November 3, 2020, a virtual meeting was held between Enbridge and COTTFN. The Enbridge representatives reviewed the presentation and Project map.</p> <p>The Enbridge representatives explained the purpose of the Project:</p>
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		<ul style="list-style-type: none"> • Project is to meet growing market demand for incremental storage space in Ontario provide energy reliability and security • Safely increasing the maximum operating pressure of three existing storage pools (Ladysmith, Corunna and Seckerton) • Drilling one injection/withdrawal well in the Ladysmith existing storage pool (TL9H) • Install approximately 70 metres of NPS 10-inch steel pipeline from the proposed TL 9H well to the main Ladysmith gathering pipeline • Upgrade the existing 200 metres Ladysmith NPS 16 gathering pipeline to NPS 20 steel pipeline • Modifications to the existing Payne-Kimball Station, is proposed to provide a connection between the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline • Install 2.2 km of NPS 24” steel pipeline to connect the Payne Storage Pool Compressor Station to the Corunna Compressor Station • Install Emergency Shutdown (ESD) valves on each natural gas storage well at the Corunna and Seckerton pools. All wells at Ladysmith currently have ESD valves installed. All ESDs installed on the wells will have the capability to be shut-in remotely from the Enbridge Control Room, either individually or on a per Pool basis <p>The Enbridge representative went over the environmental aspects of the project including Species at Risk and habitat. They provided the timelines for the Project and how the OEB process works.</p>
<p>Was the community responsive/did you have direct</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>COTTFN has confirmed receipt of the information and a virtual meeting was held on November 3, 2020.</p>

contact with the community?									
Did the community members or representatives have any questions or concerns?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<table border="1"> <thead> <tr> <th>COTTFN Question</th> <th>Enbridge Response</th> </tr> </thead> <tbody> <tr> <td>A COTTFN representative raised concerns about the short time frame between project notification to filing with OEB.</td> <td>The Enbridge representative recognized that times have been challenging right now with COVID. Enbridge is committed to ongoing consultation on all our projects and will continue to work with the COTTFN representative on any concerns they have on this project.</td> </tr> <tr> <td>The COTTFN representative asked about monitors on the Project</td> <td>The Enbridge representative advised that he would send over the monitor agreement and COTTFN would be notified of the Stage 2 archaeology timeframe.</td> </tr> </tbody> </table>	COTTFN Question	Enbridge Response	A COTTFN representative raised concerns about the short time frame between project notification to filing with OEB.	The Enbridge representative recognized that times have been challenging right now with COVID. Enbridge is committed to ongoing consultation on all our projects and will continue to work with the COTTFN representative on any concerns they have on this project.	The COTTFN representative asked about monitors on the Project	The Enbridge representative advised that he would send over the monitor agreement and COTTFN would be notified of the Stage 2 archaeology timeframe.	
COTTFN Question	Enbridge Response								
A COTTFN representative raised concerns about the short time frame between project notification to filing with OEB.	The Enbridge representative recognized that times have been challenging right now with COVID. Enbridge is committed to ongoing consultation on all our projects and will continue to work with the COTTFN representative on any concerns they have on this project.								
The COTTFN representative asked about monitors on the Project	The Enbridge representative advised that he would send over the monitor agreement and COTTFN would be notified of the Stage 2 archaeology timeframe.								
Does the community have any outstanding concerns?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	To date COTTFN does not have any outstanding concerns. The Enbridge representative will continue to engage with COTTFN regarding the Project.							
Oneida Nation of the Thames (“Oneida Nation”) Environment and Consultation Coordinator (519) 652-6922									
Was project information provided to the community?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	On August 10, 2020, an Enbridge representative notified Chief Chrisjohn and an Oneida Nation representative of the Project. The Project notification letter included a map and description of the Project.							

		<p>On August 14, 2020, an Enbridge representative sent an additional notification letter to Chief Chrisjohn and the Oneida Nation representative of the Project. The Project notification letter included a map and description of the Project. No response was received.</p> <p>On October 6, 2020, an Enbridge representative emailed the Oneida Nation representative to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board's Guidelines.</p> <p>On October 22, 2020, an Enbridge representative emailed the Oneida Nation representative to set up a virtual meeting on the Project. The Enbridge representative advised that we would be willing to provide capacity funding for their staff to review the documents. No response was received.</p>
<p>Was the community responsive/did you have direct contact with the community?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>At this time, the Enbridge representative has not received a response from Oneida Nation regarding the Project.</p>
<p>Did the community members or representatives have any questions or concerns?</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
	<p><input type="checkbox"/> Yes</p>	

<p>Does the community have any outstanding concerns?</p>	<p><input checked="" type="checkbox"/> No</p>	<p>To date Oneida Nation does not have any outstanding concerns. The Enbridge representative will continue to engage with Oneida Nation regarding the Project.</p>
<p>Walpole Island First Nation (“WIFN”) Chief Miskokomon 519-628-5700</p>		
<p>Was project information provided to the community?</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>On August 10, an Enbridge representative notified Chief Miskokomon of the Project. The Project notification letter included a map and description of the Project.</p> <p>On August 14, 2020, an Enbridge representative sent an additional notification letter to Chief Miskokomon. The Project notification letter included a map and description of the Project. No response was received.</p> <p>On October 6, 2020, an Enbridge representative emailed the Chief to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board’s Guidelines.</p> <p>On October 22, 2020, an Enbridge representative emailed the WIFN consultation representatives advising them of the Project, providing a description and map and the link to the Environmental Report. The Enbridge representative requested a virtual meeting to discuss the Project.</p> <p>On November 2, 2020, the WIFN representative responded to the Enbridge representative with some dates for a virtual meeting. The parties confirmed a meeting for November 6, 2020.</p>

	<p>On November 6, 2020, a virtual meeting was held between Enbridge and WIFN. The Enbridge representatives reviewed the presentation and Project map.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none">• Project is to meet growing market demand for incremental storage space in Ontario provide energy reliability and security• Safely increasing the maximum operating pressure of three existing storage pools (Ladysmith, Corunna and Seckerton)• Drilling one injection/withdrawal well in the Ladysmith existing storage pool (TL9H)• Install approximately 70 metres of NPS 10-inch steel pipeline from the proposed TL 9H well to the main Ladysmith gathering pipeline• Upgrade the existing 200 metres Ladysmith NPS 16 gathering pipeline to NPS 20 steel pipeline• Modifications to the existing Payne-Kimball Station, is proposed to provide a connection between the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline• Install 2.2 km of NPS 24" steel pipeline to connect the Payne Storage Pool Compressor Station to the Corunna Compressor Station• Install Emergency Shutdown (ESD) valves on each natural gas storage well at the Corunna and Seckerton pools. All wells at Ladysmith currently have ESD valves installed. All ESDs installed on the wells will have the capability to be shut-in remotely from the Enbridge Control Room, either individually or on a per Pool basis <p>The Enbridge representative went over the environmental aspects of the project including Species at Risk and</p>
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		habitat. They provided the timelines for the Project and how the OEB process works.	
Was the community responsive/did you have direct contact with the community?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	WIFN and Enbridge representatives have communicated over email and a virtual meeting was held.	
Did the community members or representatives have any questions or concerns?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	COTTFFN Question	Enbridge Response
		A WIFN representative advised that the land that the Project falls on is their traditional territory and their Chenail Ecarte Reserve.	The Enbridge representative recognized this asserted right and the need to work together.
		The WIFN representative provided a new copy of the estimate for the technical review of the project.	The Enbridge representative advised they would review the estimate and would send over a capacity funding agreement for this Project.
Does the community have any outstanding concerns?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	To date, there are no outstanding concerns from WIFN. The Enbridge representative will continue to engage with WIFN regarding the Project.	

**INDIGENOUS CONSULTATION REPORT: LOG AND PROJECT
 CORRESPONDENCE**

As of November 6, 2020

Aamjiwnaang First Nation (“AFN”)					
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
1.1	August 10 2020	Email	An Enbridge representative notified Chief Plain and an AFN representative of the 2021-2022 Storage Enhancement project (“Project”). The Project notification letter included a map and description of the Project.	No response received from AFN representative	Attachment 1.1
1.2	August 14, 2020	Email	An Enbridge representative notified Chief Plain and an AFN representative of the Project. The Project notification letter included a map and description of the Project.	No response received from AFN representative	Attachment 1.2
1.3	October 6, 2020	Email	An Enbridge representative emailed the AFN representative to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board’s <i>Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016</i> (“Guidelines”). The Enbridge representative also indicated that they would like to set up a virtual meeting to provide the community with an opportunity to ask any questions and provide their views on the potential impact the Project may have on the community’s rights and interests.	No response received from AFN representative	Attachment 1.3
1.4	October 22, 2020	Email	An Enbridge representative emailed an AFN representative to see if a virtual consultation meeting could be set up to discuss the Project.	The AFN Environment Coordinator responded advising that the Environment Committee would be meeting in person on November 3 and requested whether the Enbridge representative could attend the meeting. The Enbridge representative advised that she could meet the morning of November 3.	Attachment 1.4
1.5	October	Email	On October 29, 2020, AFN’s Environment Coordinator emailed the Enbridge representative advising that the Environment Committee would be meeting in person on November 17, 2020 at the Aamjiwnaang Community Center. He asked whether the Enbridge representative were able to attend the meeting.	The Enbridge representative responded advising that this date would work well for the Enbridge team to meet and 5pm was set as the time.	1.5

Chippewa of Kettle and Stony Point First Nation ("CKSPFN")					
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
2.1	August 10 2020	Email	An Enbridge representative notified Chief Henry and CKSPFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from CKSPFN representative	Attachment 2.1
2.2	August 14, 2020	Email	An Enbridge representative notified Chief Henry and CKSPFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from CKSPFN representative	Attachment 2.2
2.3	October 6, 2020	Email	An Enbridge representative emailed Chief Henry and the CKSPFN representatives to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board's Guidelines. The Enbridge representative also indicated that they would like to set up a virtual meeting to provide the community with an opportunity to ask any questions and provide their views on the potential impact the Project may have on the community's rights and interests.	No response received from CKSPFN representative	Attachment 2.3
2.4	October 15, 2020	Email	An Enbridge representative emailed the CKSPFN representative regarding meeting on a different matter and asked if a virtual meeting could be set up discuss this Project.	No response received from CKSPFN representative	Attachment 2.4
2.5	October 22, 2020	Email	An Enbridge representative sent an email to the CKSPFN representative requesting a virtual meeting to discuss the Project	No response received from CKSPFN representative	Attachment 2.5
2.6	November 6, 2020	Telephone	An Enbridge representative called the CKSPFN band office to speak with the CKSPFN representative. A message was left with a contact number asking for a return call.	No response received from CKSPFN representative	
Chippewas of the Thames First Nation ("COTTFN")					
Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
3.1	August 10 2020	Email	An Enbridge representative notified Chief French and COTTFN representatives of the Project. The Project notification letter included a map and description of the Project.	On August 12, 2020, the COTTFN representative sent a letter to the Enbridge representative confirming receipt of the Project notification and advising that after reviewing the Project information, they have identified minimal concerns. They requested that as the Project progresses and studies are completed, they be forwarded to consultation@cottfn.com .	Attachment 3.1

				COTTFN also advised that if an Archaeology Assessment will be conducted, they require notification and an opportunity to actively participate by sending First Nation Field Liaisons on behalf of COTTFN.	
3.2	August 14, 2020	Email	An Enbridge representative notified Chief French and COTTFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from COTTFN representative	Attachment 3.2
3.3	October 6, 2020	Email	An Enbridge representative emailed the COTTFN representative to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board's Guidelines. The Enbridge representative also indicated that they would like to set up a virtual meeting to provide the community with an opportunity to ask any questions and provide their views on the potential impact the Project may have on the community's rights and interests.	No response received from COTTFN representative	Attachment 3.3
3.4	October 22, 2020	Email	An Enbridge representative was corresponding with the COTTFN regarding a different Project and confirmed a meeting date of November 3 to discuss multiple projects.		3.4
3.5	November 3, 2020	Meeting	<p>A virtual meeting was held between Enbridge and COTTFN. The Enbridge representatives reviewed the presentation and Project map.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> • Project is to meet growing market demand for incremental storage space in Ontario provide energy reliability and security • Safely increasing the maximum operating pressure of three existing storage pools (Ladysmith, Corunna and Seckerton) • Drilling one injection/withdrawal well in the Ladysmith existing storage pool (TL9H) • Install approximately 70 metres of NPS 10-inch steel pipeline from the proposed TL 9H well to the main Ladysmith gathering pipeline • Upgrade the existing 200 metres Ladysmith NPS 16 gathering pipeline to NPS 20 steel pipeline • Modifications to the existing Payne-Kimball Station, is proposed to provide a connection between the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline • Install 2.2 km of NPS 24" steel pipeline to connect the Payne Storage Pool Compressor Station to the Corunna Compressor Station 	<p>A COTTFN representative raised concerns about the short time frame between project notification to filing with OEB. The Enbridge representative recognized that times have been challenging right now with COVID. Enbridge is committed to ongoing consultation on all our projects and will continue to work with the COTTFN representative on any concerns they have on this project.</p> <p>The COTTFN representative asked about monitors on the Project. The Enbridge representative advised that he would send over the monitor agreement and COTTFN would be notified of the Stage 2 archaeology timeframe.</p>	3.5

			<ul style="list-style-type: none"> Install Emergency Shutdown (ESD) valves on each natural gas storage well at the Corunna and Seckerton pools. All wells at Ladysmith currently have ESD valves installed. All ESDs installed on the wells will have the capability to be shut-in remotely from the Enbridge Control Room, either individually or on a per Pool basis <p>The Enbridge representative went over the environmental aspects of the project including Species at Risk and habitat. They provided the timelines for the Project and how the OEB process works.</p>		
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Oneida First Nation (“OFN”)

Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
4.1	August 10 2020	Email	An Enbridge representative notified Chief Chrisjohn and an OFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from OFN representative	Attachment 4.1
4.2	August 14, 2020	Email	An Enbridge representative notified Chief Chrisjohn and an OFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from OFN representative	Attachment 4.2
4.3	October 6, 2020	Email	An Enbridge representative emailed the OFN representative to advise that the Environmental Report was available and provided the internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board's Guidelines.	No response received from OFN representative	Attachment 4.3
4.4	October 22, 2020	Email	An Enbridge representative sent an email to the OFN representative requesting a virtual meeting to discuss the Project. The Enbridge representative advised that we would be willing to provide capacity funding for their staff to review the documents.	No response received from OFN representative	Attachment 4.4

Walpole Island First Nation (“WIFN”)

Line Item	Date of Engagement	Method of Engagement	Summary of Engagement Activity	Response from Community/Outstanding Issues	Attachment
5.1	August 10 2020	Email	An Enbridge representative notified Chief Miskokomon and a WIFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from WIFN representative	Attachment 5.1
5.2	August 14, 2020	Email	An Enbridge representative notified Chief Miskokomon and a WIFN representatives of the Project. The Project notification letter included a map and description of the Project.	No response received from WIFN representative	Attachment 5.2
5.3	October 6, 2020		An Enbridge representative emailed the Chief to advise that the Environmental Report was available and provided the	No response received from WIFN representative	Attachment 5.3

			internet link for the report. The Enbridge representative requested that any comments be provided on the Environmental Report by November 13, 2020, as per the Ontario Energy Board's Guidelines.		
5.4	October 22, 2020	Email	An Enbridge representative emailed the Chief to request a virtual meeting on the Project.	No response received from WIFN representative	Attachment 5.4
5.5	November 2, 2020	Email	The WIFN representative responded to the Enbridge representative with some dates for a virtual meeting.	The parties confirmed a meeting for November 6, 2020.	Attachment 5.5
5.6	November 6, 2020	Meeting	<p>A virtual meeting was held between Enbridge and WIFN. The Enbridge representatives reviewed the presentation and Project map.</p> <p>The Enbridge representatives explained the purpose of the Project:</p> <ul style="list-style-type: none"> • Project is to meet growing market demand for incremental storage space in Ontario provide energy reliability and security • Safely increasing the maximum operating pressure of three existing storage pools (Ladysmith, Corunna and Seckerton) • Drilling one injection/withdrawal well in the Ladysmith existing storage pool (TL9H) • Install approximately 70 metres of NPS 10-inch steel pipeline from the proposed TL 9H well to the main Ladysmith gathering pipeline • Upgrade the existing 200 metres Ladysmith NPS 16 gathering pipeline to NPS 20 steel pipeline • Modifications to the existing Payne-Kimball Station, is proposed to provide a connection between the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline • Install 2.2 km of NPS 24" steel pipeline to connect the Payne Storage Pool Compressor Station to the Corunna Compressor Station • Install Emergency Shutdown (ESD) valves on each natural gas storage well at the Corunna and Seckerton pools. All wells at Ladysmith currently have ESD valves installed. All ESDs installed on the wells will have the capability to be shut-in remotely from the Enbridge Control Room, either individually or on a per Pool basis <p>The Enbridge representative went over the environmental aspects of the project including Species at Risk and habitat. They provided the timelines for the Project and how the OEB process works.</p>	<p>A WIFN representative advised that the land that the Project falls on is their traditional territory and their Chenail Ecarte Reserve. The Enbridge representative recognized their asserted right to the land and the need to work together.</p> <p>The WIFN representative provided a new copy of the estimate for the technical review of the Project. The Enbridge representative advised they would review the estimate and would send over a capacity funding agreement for this Project.</p>	Attachment 5.6

Attachment 1.1

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Monday, August 10, 2020 12:01:00 PM
Attachments: [2021_2022 Storage Enhancement map.pdf](#)
[2021_2022 Storage Enhancement - Aamjiwnaang First Nation .pdf](#)

Good afternoon,

Please find attached our notification letter and map for the Enbridge Gas 2021-2022 Storage Enhancement Project.

-
To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

We would like to meet with you to discuss the project and hear your community's feedback.

Please reach out to [REDACTED] or myself if you have any questions or concerns and we can work together to arrange a meeting on this project.

We look forward to hearing from you.

Many thanks,

[REDACTED]

Analyst, Indigenous, Municipal Affairs & Stakeholder Relation



Enbridge Gas Inc
500 Consumers Road
North York, ON
M2J 1P8

[REDACTED]
Aamjiwnaang First Nation
978 Tashmoo Avenue,
Sarnia, ON
N7T 7H5

August 10, 2020

Re: 2021/2022 Storage Enhancement Project

Dear [REDACTED]

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

An Environmental Report (ER) will be completed for the Project. Enbridge Gas either owns the lands within or has Gas Storage Lease Agreements and Petroleum & Natural Gas Lease Agreements in place for all of the DSAs. Permanent or temporary access roads will be required to complete the work required for some of the wells.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for

a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

Enbridge Gas' preliminary work on the Project has identified the following potential authorizations:

Federal approvals:

- Fisheries and Oceans Canada

Provincial approvals:

- Ontario Energy Board
- Ministry of Natural Resources and Forestry
- Ministry of Heritage, Sport, Tourism and Cultural Industries
- Ministry of the Environment, Conservation and Parks

Municipal approvals:

- Township of St. Clair
- County of Lambton

Other approvals:

- St. Clair Region Conservation Authority
- Hydro One Networks Inc.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Enbridge Gas Inc. has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Indigenous Energy Unit
Ministry of Energy, Northern Development and Mines
416-735-3297
Kristen.bromfield@ontario.ca

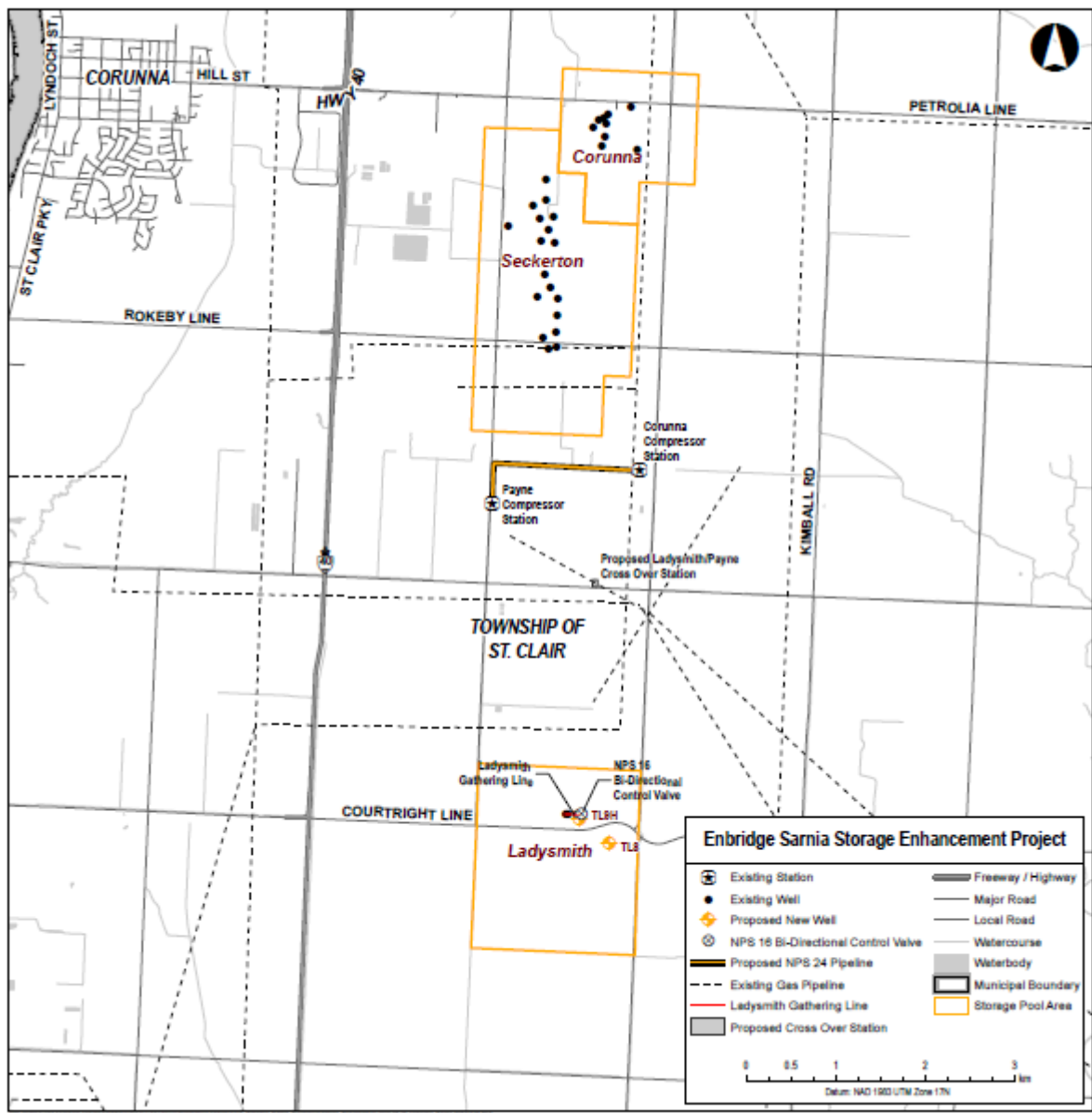
We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [REDACTED] we can set up a time to meet.

Many Thanks,

[REDACTED]

Enbridge Inc

[REDACTED]



Attachment 1.2



Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8
Canada

August 14, 2020
Chief Chris Plain
Aamjiwnaang First Nation
978 Tashmoo Avenue
Sarnia, Ontario N7T 7H5

Dear Chief Chris Plain:

Regarding: Project Commencement for 2021/2022 Storage Enhancement Project

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

The location of the Project, including the preliminary preferred pipeline route and accompanying storage enhancement works, is shown in **Figure 1**.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-

to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

If you have any questions about the Storage Enhancement Project or would like to receive additional information and participate in the environmental study process, please do not hesitate to contact me using the contact information provided below.

Sincerely,



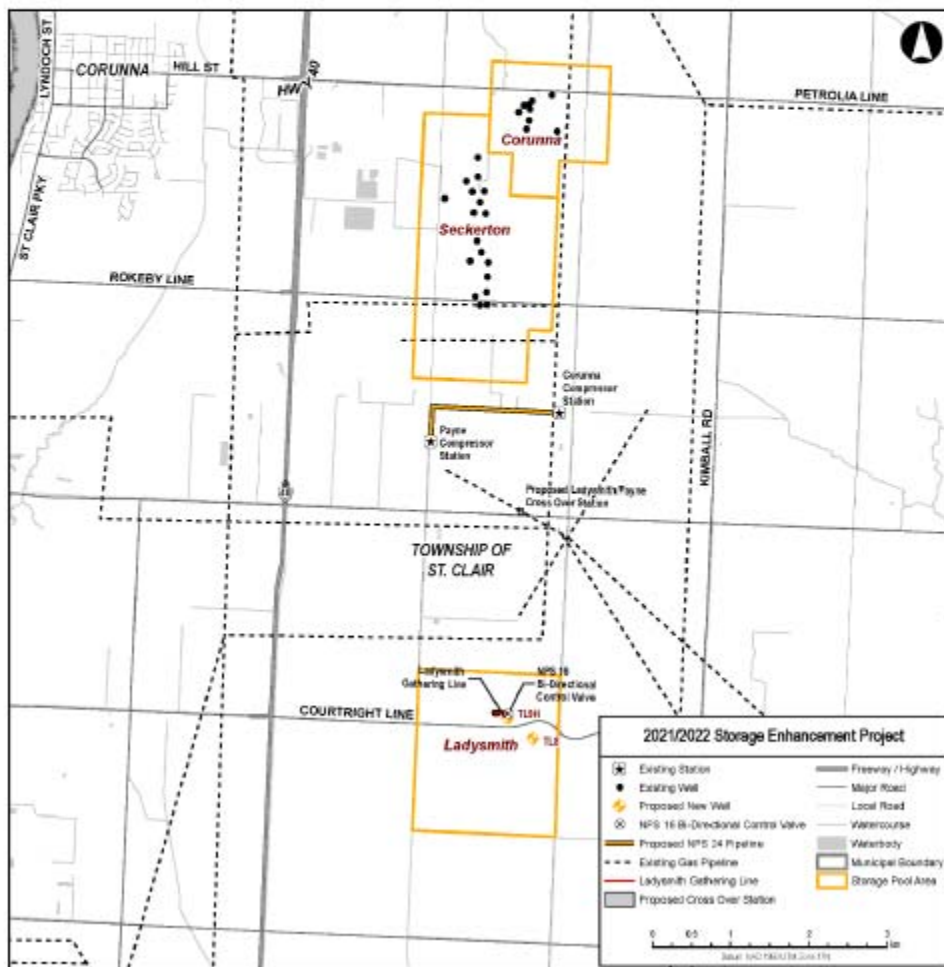
Sr. Advisor, Community & Indigenous Engagement
Enbridge Gas Inc.





Enbridge Gas Inc.
 500 Consumers Road
 North York, ON M2J 1P8
 Canada

Figure 1: Preliminary Preferred Pipeline Route and Accompanying Works



Attachment 1.3

From: [REDACTED]
To: [REDACTED] [Aamjiwnaang Environment](#)
Subject: Environmental Report: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Tuesday, October 6, 2020 2:44:00 PM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Aamjiwnaang First Nation .pdf](#)

Good afternoon,

As you know, Enbridge Gas Inc. (Enbridge Gas) is seeking to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016* (Guidelines) recommend that a project proponent provide a copy of the environmental report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link, please find a copy of the ER for the 2021-2022 Storage Enhancement Project (the Project). Pursuant to the Guidelines please provide me with any comments on the ER for the Project by no later than Friday November 13, 2020.

<https://we.tl/t-tbDOjhAlmp>

Please let us know if you have any questions or concerns. Once you have reviewed the ER, we would like to set up a virtual meeting to provide you with an opportunity to ask any questions and provide your views on the potential impact the Project may have on your community's rights and interests, so we can address these impacts, as appropriate.

Looking forward to hearing from you.

Many thanks,
[REDACTED]

Attachment 1.4

From: [REDACTED]
To: [Aamjiwnaang Environment](#); [REDACTED]
Subject: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Thursday, October 22, 2020 11:02:00 AM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Aamjiwnaang First Nation .pdf](#)

Good morning,

Hope this finds you well.

I was hoping we could set up a call to discuss the 2021/2022 Storage Enhancement project that Enbridge Gas is looking to file with the OEB next month. Below is the link to the environmental report as well as the notification information and map.

Would you have some dates that would be available to meet?

We appreciate the time you take to review and meet with us. Please know that we are more than happy to provide capacity funding for your staff time and review of documents.

Looking forward to hearing from you.

Thanks,
[REDACTED]

From: Aamjiwnaang Environment
To: [REDACTED]
Subject: [External] Re: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Thursday, October 22, 2020 11:32:35 AM

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good morning [REDACTED]

I was wondering if you were able to attend our next Environment Committee meeting that will be held in person on Tuesday, November 3, 2020 at the Aamjiwnaang Community Centre?

Sent from my iPad

From: [REDACTED]
To: [Aamjiwnaang Environment](#)
Subject: RE: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Thursday, October 22, 2020 12:26:00 PM

Hi there,

I can change my appointment in the morning on November 3 if you are meeting in the morning? I'd be available to be there in person however, would need to leave at noon to get back to London.

Not sure if this works for your committee.

Thank you.
[REDACTED]

From: Aamjiwnaang Environment <environment@aamjiwnaang.ca>

Sent: Thursday, October 29, 2020 1:59 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: [External] Storage Enhancement Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good afternoon [REDACTED]

Would you and your team be able to attend the Environment Committee meeting on Tuesday November 17, 2020?

In regards to an update concerning the Storage Enhancement Project.

Thank you,

[REDACTED]

Aamjiwnaang First Nation
978 Tashmoo Ave. Sarnia, ON

[REDACTED]

From: [REDACTED]@enbridge.com>
Sent: Thursday, October 29, 2020 2:23 PM
To: Aamjiwnaang Environment <environment@aamjiwnaang.ca>
Cc: [REDACTED]
Subject: RE: Storage Enhancement Project

Thank you for the note,

[REDACTED] the environmental planner, and I would be happy to attend the meeting on November 17.

If you could provide us with a time, that would be greatly appreciated.

Looking forward to meeting with your committee in person.

Thanks so much,

[REDACTED]

From: Aamjiwnaang Environment
To: [REDACTED]
Cc:
Subject: [External] RE: Storage Enhancement Project
Date: Thursday, October 29, 2020 2:28:04 PM

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

You're welcome.

The meeting will take place at the Aamjiwnaang Community Centre, 1972 Virgil Ave. Sarnia, On. The meeting starts at 5:00 P.M. and will be held in the Banquet Room.

Thank you,

[REDACTED]

From: [REDACTED]
To: [REDACTED] Jason.henry@kettlepoint.org
Cc: [REDACTED]
Subject: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Monday, August 10, 2020 11:55:00 AM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Chippewas of Kettle and Stony Point.pdf](#)

Good afternoon,

Please find attached our notification letter and map for the Enbridge Gas Inc. 2021-2022 Storage Enhancement Project.

-
To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

We would like to meet with you to discuss the project and hear your community's feedback.

Please reach out to Kevin Berube or myself if you have any questions or concerns and we can work together to arrange a meeting on this project.

We look forward to hearing from you.

Many thanks,

[REDACTED]

Analyst, Indigenous, Municipal Affairs & Stakeholder Relation

—

ENBRIDGE GAS INC.

[REDACTED]
109 Commissioners Road West, London, ON N6A4P1



Enbridge Gas Inc
500 Consumers Road
North York, ON
M2J 1P8

Chief Jason Henry
Chippewas of Kettle and Stony Point
6247 Indian Lane
Lambton Shores, ON
N0N 1J2

August 10, 2020

Re: 2021/2022 Storage Enhancement Project

Dear Chief Henry,

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

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- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

An Environmental Report (ER) will be completed for the Project. Enbridge Gas either owns the lands within or has Gas Storage Lease Agreements and Petroleum & Natural Gas Lease Agreements in place for all of the DSAs. Permanent or temporary access roads will be required to complete the work required for some of the wells.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines*

and Facilities in Ontario (2016). The ER will accompany a leave-to-vary application, a request for a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

Enbridge Gas' preliminary work on the Project has identified the following potential authorizations:

Federal approvals:

- Fisheries and Oceans Canada

Provincial approvals:

- Ontario Energy Board
- Ministry of Natural Resources and Forestry
- Ministry of Heritage, Sport, Tourism and Cultural Industries
- Ministry of the Environment, Conservation and Parks

Municipal approvals:

- Township of St. Clair
- County of Lambton

Other approvals:

- St. Clair Region Conservation Authority
- Hydro One Networks Inc.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Enbridge Gas Inc. has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Indigenous Energy Unit
Ministry of Energy, Northern Development and Mines
416-735-3297
Kristen.bromfield@ontario.ca

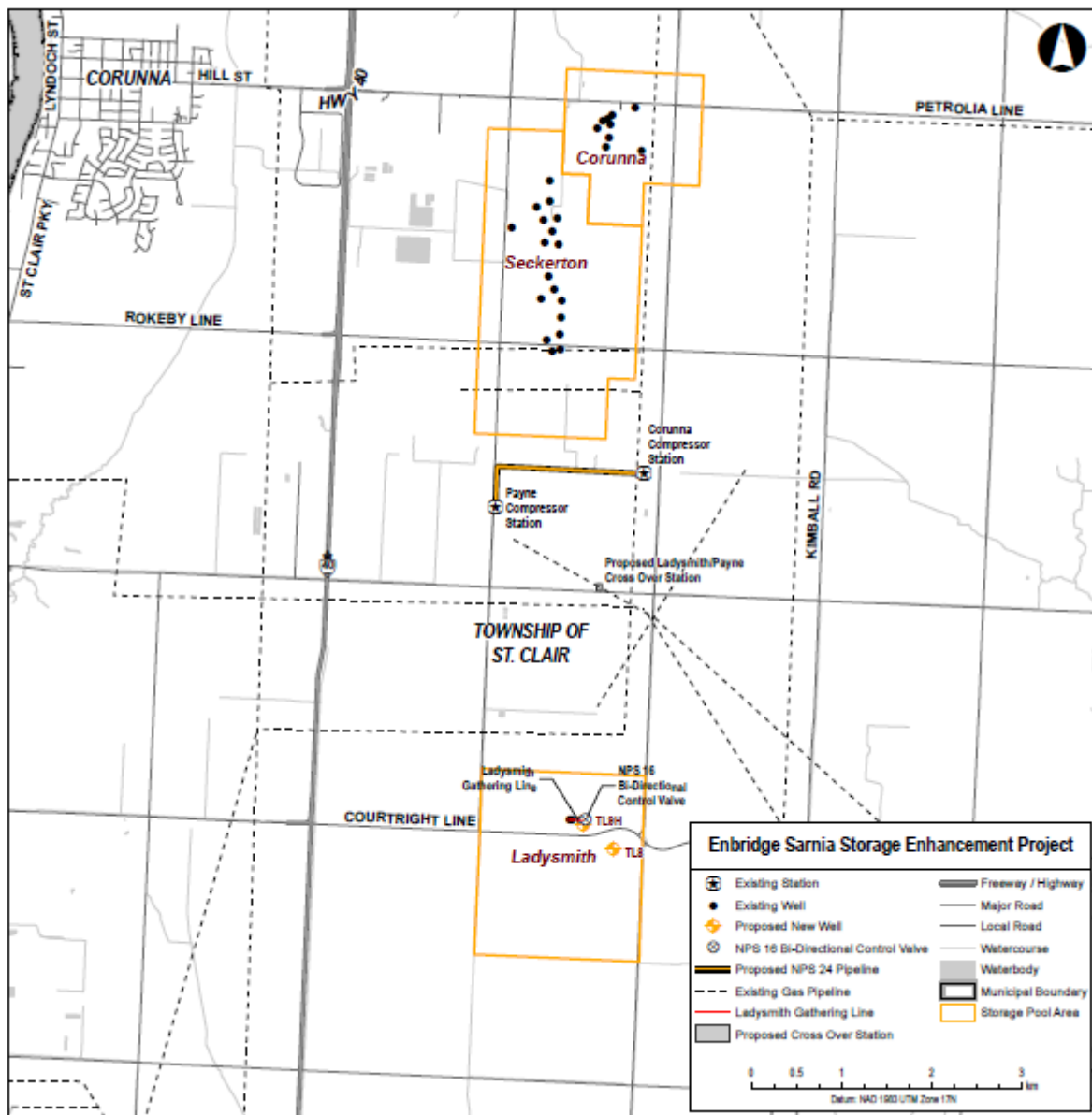
We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [REDACTED] so we can set up a time to meet.

Many Thanks,

[REDACTED]

Sr Advisor Community & Indigenous Engagement
Enbridge Inc

[REDACTED]



Attachment 2.2



Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8
Canada

August 14, 2020
Chief Jason Henry
Chippewas of Kettle and Stony Point
6247 Indian Lane
Kettle and Stony Point First Nation, Ontario N0N 1J1

Dear Chief Jason Henry:

Regarding: Project Commencement for 2021/2022 Storage Enhancement Project

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

The location of the Project, including the preliminary preferred pipeline route and accompanying storage enhancement works, is shown in **Figure 1**.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-

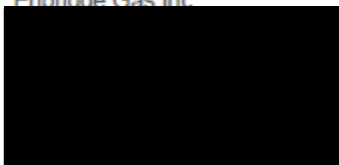
to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

If you have any questions about the Storage Enhancement Project or would like to receive additional information and participate in the environmental study process, please do not hesitate to contact me using the contact information provided below.

Sincerely,



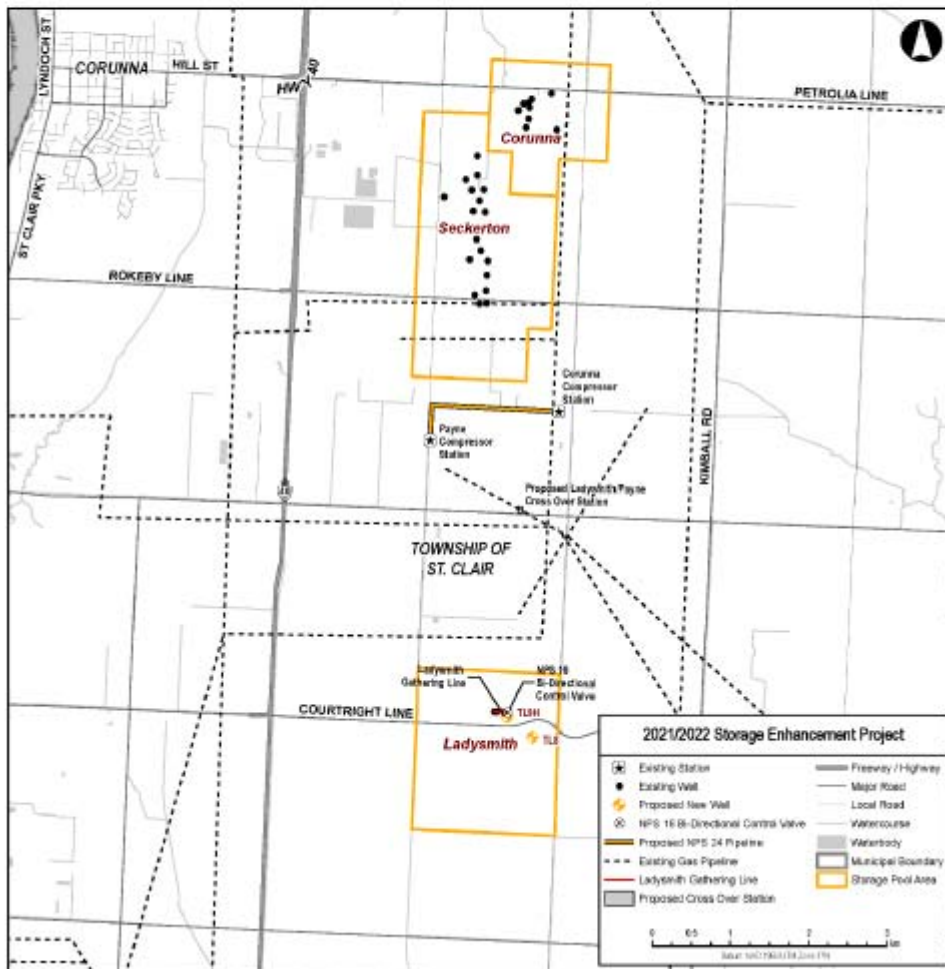
Sr. Advisor, Community & Indigenous Engagement
Enbridge Gas Inc





Enbridge Gas Inc.
 500 Consumers Road
 North York, ON M2J 1P8
 Canada

Figure 1: Preliminary Preferred Pipeline Route and Accompanying Works



Attachment 2.3

From: [REDACTED]
To: Jason.henry@kettlepoint.org; [REDACTED]
Subject: Environmental Report: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Tuesday, October 6, 2020 2:39:00 PM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Chippewas of Kettle and Stony Point.pdf](#)

Good afternoon,

As you know, Enbridge Gas Inc. (Enbridge Gas) is seeking to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016* (Guidelines) recommend that a project proponent provide a copy of the environmental report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link, please find a copy of the ER for the 2021-2022 Storage Enhancement Project (the Project). Pursuant to the Guidelines please provide me with any comments on the ER for the Project by no later than Friday November 13, 2020.

<https://we.tl/t-tbDQjhAlmp>

We would like to set up a virtual meeting to provide you with an opportunity to ask any questions and provide your views on the potential impact the Project may have on your community's rights and interests, so we can address these impacts, as appropriate. We could set up a call to discuss both this project as well as the London Lines Replacement Project.

If you could provide some dates that you would be available for a virtual call that would be great.

Many thanks,

[REDACTED]

Attachment 2.4

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Virtual Connection - London Lines Project
Date: Thursday, October 15, 2020 2:25:00 PM

Hi [REDACTED]

Hope this finds you well.

I wanted to touch base with you to let you know that I will be the relationship lead for engagement with Kettle and Stony Point going forward, replacing [REDACTED]. I am so excited by the opportunity to get to know you better and continue to build the relationship we share. I look forward to the opportunity (socially distant of course) to meet you in the near future.

I'd like to set up a meeting with you on our London Line Replacement Project to hear any questions and/or concerns your community has towards this project. We would also discuss our 2021/22 Storage Enhancement Project as well during this meeting.

If you could please provide me with a couple of dates that work for you, I'd be happy to set up the virtual meeting.

Looking forward to hearing from you.

[REDACTED]

Attachment 2.5

From: [REDACTED]
To: [REDACTED]
Subject: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Thursday, October 22, 2020 11:05:00 AM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Chippewas of Kettle and Stony Point.pdf](#)

Good morning,

Hope this finds you well.

We would like to set up a virtual meeting with you to discuss our Storage Enhancement project (information attached and below). We would like to hear any concerns or comments you community might have towards this project.

Are there are dates that you could provide for us to virtually meet?

We appreciate the time that it takes to review our documents and meet with us. We are happy to provide capacity funding for these things.

Looking forward to hearing from you.

[REDACTED]

Attachment 3.1

From: [REDACTED]
To: [REDACTED] french@cottfn.com; [REDACTED]
Cc: [REDACTED]
Subject: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Monday, August 10, 2020 11:58:00 AM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Chippewas of the Thames First Nation.pdf](#)

Good afternoon,

Please find attached our notification letter and map for the Enbridge Gas Inc. 2021-2022 Storage Enhancement Project.

-
To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

We would like to meet with you to discuss the project and hear your community's feedback.

Please reach out to [REDACTED] or myself if you have any questions or concerns and we can work together to arrange a meeting on this project.

We look forward to hearing from you.

Many thanks,

[REDACTED]
Analyst, Indigenous, Municipal Affairs & Stakeholder Relation

ENBRIDGE GAS INC.

[REDACTED]
109 Commissioners Road West, London, ON N6A4P1



Enbridge Gas Inc
500 Consumers Road
North York, ON
M2J 1P8

Chief Jacqueline French
Chippewas of the Thames First Nation
320 Chippewa Road
Muncey, ON
N0L 1Y0

August 10, 2020

Re: 2021/2022 Storage Enhancement Project

Dear Chief French,

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

An Environmental Report (ER) will be completed for the Project. Enbridge Gas either owns the lands within or has Gas Storage Lease Agreements and Petroleum & Natural Gas Lease Agreements in place for all of the DSAs. Permanent or temporary access roads will be required to complete the work required for some of the wells.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for

a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

Enbridge Gas' preliminary work on the Project has identified the following potential authorizations:

Federal approvals:

- Fisheries and Oceans Canada

Provincial approvals:

- Ontario Energy Board
- Ministry of Natural Resources and Forestry
- Ministry of Heritage, Sport, Tourism and Cultural Industries
- Ministry of the Environment, Conservation and Parks

Municipal approvals:

- Township of St. Clair
- County of Lambton

Other approvals:

- St. Clair Region Conservation Authority
- Hydro One Networks Inc.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Enbridge Gas Inc. has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

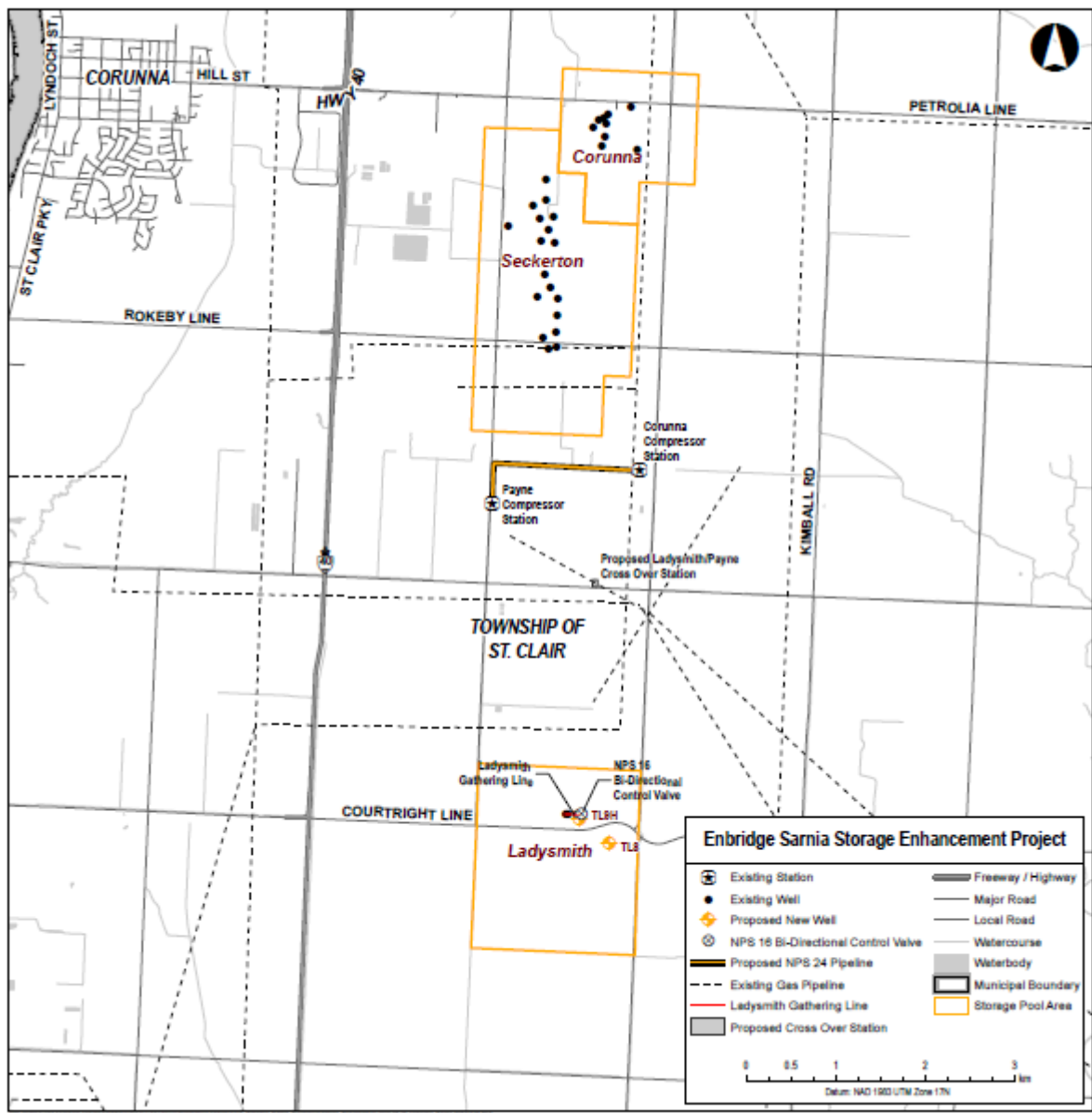
Indigenous Energy Unit
Ministry of Energy, Northern Development and Mines
416-735-3297
Kristen.bromfield@ontario.ca

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [REDACTED] so we can set up a time to meet.

Many Thanks,

[REDACTED]
Sr Advisor Community & Indigenous Engagement
Enbridge Inc

[REDACTED]



From: Fallon Burch
To: [REDACTED]
Cc: [REDACTED] [Jacqueline French](#); [REDACTED]
Subject: [External] RE: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Wednesday, August 12, 2020 12:41:38 PM
Attachments: [image001.png](#)
[image002.png](#)
[INV 0041-2021-2022 Storage Enhancement Project-Enbridge.pdf](#)
[LTR Consultation 2021-2022 Storage Enhancement Project Enbridge.pdf](#)

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good afternoon,

Please find attached a response on behalf of Chippewas of the Thames First Nation in regards to the aforementioned project.

At this time, we do not have enough information to determine the potential impacts associated with your project. As studies are completed, please forward them to consultation@cottfn.com. For your convenience our consultation protocol can found at www.cottfn.com/consultation.

As all non essential staff continue to work from home, we look forward to virtually meeting with you in the near future. If you have any questions, please feel free to reach via email at this time.

Thank you,

[REDACTED]
Consultation Coordinator, Chippewas of the Thames First Nation
320 Chippewa Rd Muncey, ON N0L 1Y0 [REDACTED]
www.cottfn.com/consultation



CHIPPEWAS OF THE THAMES FIRST NATION

August 12, 2020

VIA EMAIL

[REDACTED]
Sr Advisor Community & Indigenous Engagement
Enbridge Gas Inc
500 Consumers Road
North York, ON M2J 1P8

RE: 2021/2022 Storage Enhancement Project

Dear [REDACTED]

We have received information concerning the aforementioned project. The proposed project is located within Chippewas of the Thames First Nation (COTTFN) Big Bear Creek Additions to Reserve (ATR) land selection area, as well as COTTFN's Traditional Territory.

After reviewing the project information, we have identified minimal concerns. However, as this project progresses and studies are completed, please forward an electronic copy to consultation@cottfn.com. If there is an Archaeology Assessment conducted, we require notification and the opportunity to actively participate by sending First Nation Field Liaisons on behalf of this First Nation.

We look forward to continuing this open line of communication. To implement meaningful consultation, COTTFN has developed its own protocol - a document and a process that will guide positive working relationships. We would be happy to meet with you to review COTTFN's Consultation Protocol.

As per Appendix 'D' of the Wiindmaagewin Invoice 0041 is attached, please do not hesitate to contact me if you need further clarification of this letter.

Sincerely,

[REDACTED]
Consultation Coordinator
Chippewa of the Thames First Nation

[REDACTED]
consultation@cottfn.com

Attachment 3.2



Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8
Canada

August 14, 2020
Chief Jacqueline French
Chippewas of the Thames First Nation
320 Chippewa Road
Muncey, Ontario N0L 1Y0

Dear Chief Jacqueline French:

Regarding: Project Commencement for 2021/2022 Storage Enhancement Project

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

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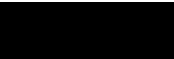
The location of the Project, including the preliminary preferred pipeline route and accompanying storage enhancement works, is shown in **Figure 1**.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-

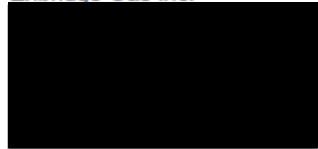
to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

If you have any questions about the Storage Enhancement Project or would like to receive additional information and participate in the environmental study process, please do not hesitate to contact me using the contact information provided below.

Sincerely,



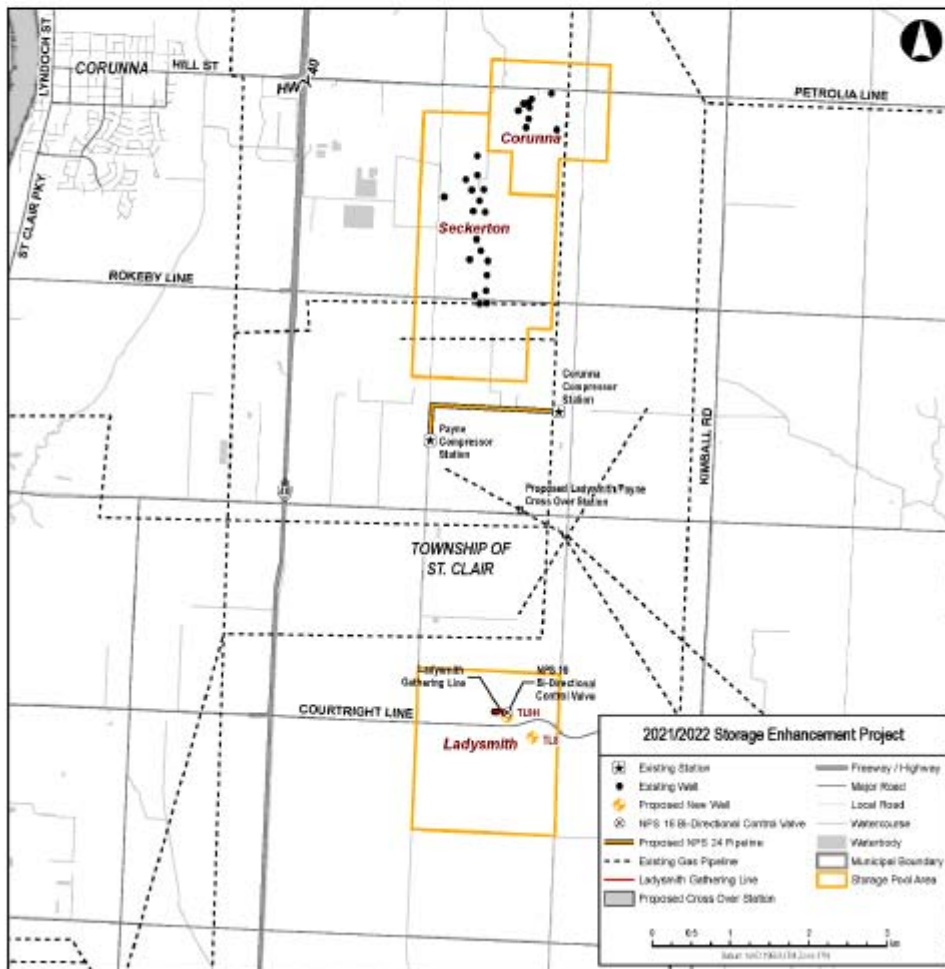
Sr. Advisor, Community & Indigenous Engagement
Enbridge Gas Inc.





Enbridge Gas Inc.
 500 Consumers Road
 North York, ON M2J 1P8
 Canada

Figure 1: Preliminary Preferred Pipeline Route and Accompanying Works



Attachment 3.3

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: Environmental Report: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Tuesday, October 6, 2020 2:41:00 PM
Attachments: [2021_2022 Storage Enhancement map.pdf](#)
[2021_2022 Storage Enhancement - Chippewas of the Thames First Nation.pdf](#)

Good afternoon,

As you know, Enbridge Gas Inc. (Enbridge Gas) is seeking to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016* (Guidelines) recommend that a project proponent provide a copy of the environmental report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link, please find a copy of the ER for the 2021-2022 Storage Enhancement Project (the Project). Pursuant to the Guidelines please provide me with any comments on the ER for the Project by no later than Friday November 13, 2020.

<https://we.tl/t-tbDQjhAlmp>

We would like to set up a virtual meeting to provide you with an opportunity to ask any questions and provide your views on the potential impact the Project may have on your community's rights and interests, so we can address these impacts, as appropriate. We could set up a call to discuss both this project as well as the London Lines Replacement Project, once you have had the opportunity to review the ERs.

If you could provide some dates that you would be available for a virtual call that would be great.

Many thanks,

[REDACTED]

Attachment 3.4

From: [REDACTED]@enbridge.com>

Sent: October 22, 2020 8:19 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: London Lines Project

Good morning [REDACTED]

Thank you for your note.

Would November 3 from 2:30-4 work for you? We would like to speak to the London Lines Replacement Project as following that the Storage Enhancement project.

I will ensure you have the material for the project prior to the meeting.

Please let me know if this time works for you and your colleague.

Thank you for the opportunity to speak to you about these projects.

Best,
[REDACTED]

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: [External] RE: London Lines Project
Date: Thursday, October 22, 2020 9:19:31 AM

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Good morning [REDACTED]

November 3 @ 2:30 is perfect. We look forward to learning more about the projects.

We have been using Zoom to meet virtually, did you want me to schedule this or will you?

Thanks,

[REDACTED]
Consultation Coordinator
Chippewas of the Thames First Nation
consultation@cottfn.com

Enbridge Gas 2021/22 Storage Enhancement Project

2020



2021-2022 Storage Enhancement Project Purpose

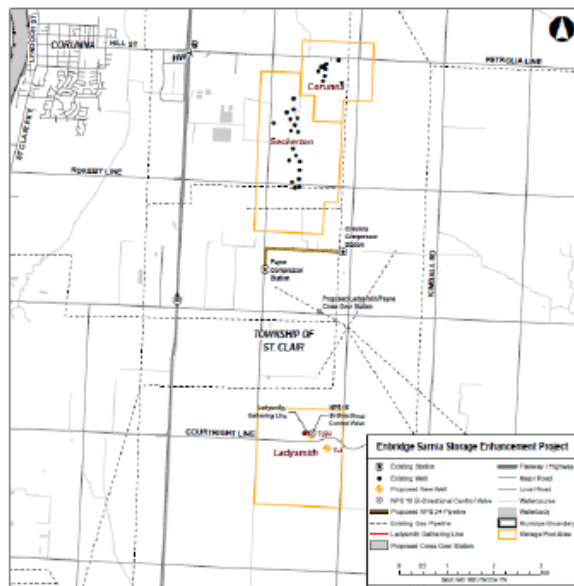


- Project is called 2021-2022 Storage Enhancement Project
- Proposed in order to meet growing market demand for incremental storage space.
- Due to the nature of the scope, Ontario Energy Board (OEB) approval of the project is required prior to construction start.

12



2021-2022 Storage Enhancement Project Project Maps



13

2021-2022 Storage Enhancement Project



Project details

- The Project involves:
 - Increasing the maximum operating pressure of three existing storage pools.
 - Drilling one injection/withdrawal well and one observation well in existing storage pools and drilling one observation well outside of an existing storage pool.
 - Installation of natural gas pipelines to connect existing storage pools to a main compressor station and connecting an injection/withdrawal well to the main gathering line
 - Upgrade and installation of new equipment and pipelines at existing stations.

14



2021-2022 Storage Enhancement Project

Project details

- Project is subject to Ontario Energy Board (OEB) approval.
- OEB application is to be submitted on November 13, 2020.

15



2021-2022 Storage Enhancement Project

Environmental aspects

- Environmental Report completed for the project, sent to the Ontario Pipeline Coordinating Committee, relevant Agencies, and Indigenous Communities for review and comment on October 5th/6th, 2020.
- The ER was completed to assess the potential environmental and socio-economic effects that may result from the project in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*.

16

2021-2022 Storage Enhancement Project



Environmental aspects

- The ER did not result in any significant environmental or socio-economic features being identified other than the potential occurrence of the following Species at Risk (SAR) and their habitat:
 - Four bird species: Bank Swallow, Barn Swallow, Eastern Meadowlark, and Bobolink
 - Four bat species: Eastern Small-footed Myotis, Little Brown Myotis, Northern Myotis, and Tri-colored Bat
 - Two reptile species: Butler's Gartersnake and Eastern Foxsnake

17

2021-2022 Storage Enhancement Project



Environmental aspects

- Measures to protect non-SAR wildlife and wildlife habitat are presented in the ER and are acceptable to all SAR and SAR habitat in the Project Study Area.
- Aecom will conduct site investigations in fall 2020 to confirm habitat suitability for SAR species and based on these investigations, additional mitigation and avoidance measures may be developed and implemented to avoid impacts to SAR. Enbridge Gas will adhere to any additional mitigation and avoidance measures recommended by Aecom resulting from future site investigations
- A Stage 2 Archaeological Assessment will be completed for the project and will commence in Fall 2020.

18

Attachment 4.1

From: [REDACTED]
To: [Chief Adrian Chrisjohn; Oneida Environment](#)
Cc: [REDACTED]
Subject: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Monday, August 10, 2020 11:54:00 AM
Attachments: [2021_2022 Storage Enhancement - Oneida Nation of the Thames.pdf](#)
[2021_2022 Storage Enhancement map.pdf](#)

Good afternoon,

Please find attached our notification letter and map for the Enbridge Gas Inc. 2021-2022 Storage Enhancement Project.

-
To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

We would like to meet with you to discuss the project and hear your community's feedback.

Please reach out to [REDACTED] or myself if you have any questions or concerns and we can work together to arrange a meeting on this project.

We look forward to hearing from you.

Many thanks,

[REDACTED]

Analyst, Indigenous, Municipal Affairs & Stakeholder Relation

—

ENBRIDGE GAS INC.

[REDACTED]

109 Commissioners Road West, London, ON N6A4P1



Enbridge Gas Inc
500 Consumers Road
North York, ON
M2J 1P8

Chief Adrian Chrisjohn
Oneida Nation of the Thames
2212 Elm Avenue
Southwold, ON
N0L 2G0

August 10, 2020

Re: 2021/2022 Storage Enhancement Project

Dear Chief Chrisjohn,

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

An Environmental Report (ER) will be completed for the Project. Enbridge Gas either owns the lands within or has Gas Storage Lease Agreements and Petroleum & Natural Gas Lease Agreements in place for all of the DSAs. Permanent or temporary access roads will be required to complete the work required for some of the wells.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for

a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

Enbridge Gas' preliminary work on the Project has identified the following potential authorizations:

Provincial approvals:

- Ontario Energy Board
- Ministry of Natural Resources and Forestry
- Ministry of Heritage, Sport, Tourism and Cultural Industries
- Ministry of the Environment, Conservation and Parks

Municipal approvals:

- Township of St. Clair
- County of Lambton

Other approvals:

- St. Clair Region Conservation Authority
- Hydro One Networks Inc.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Enbridge Gas Inc. has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

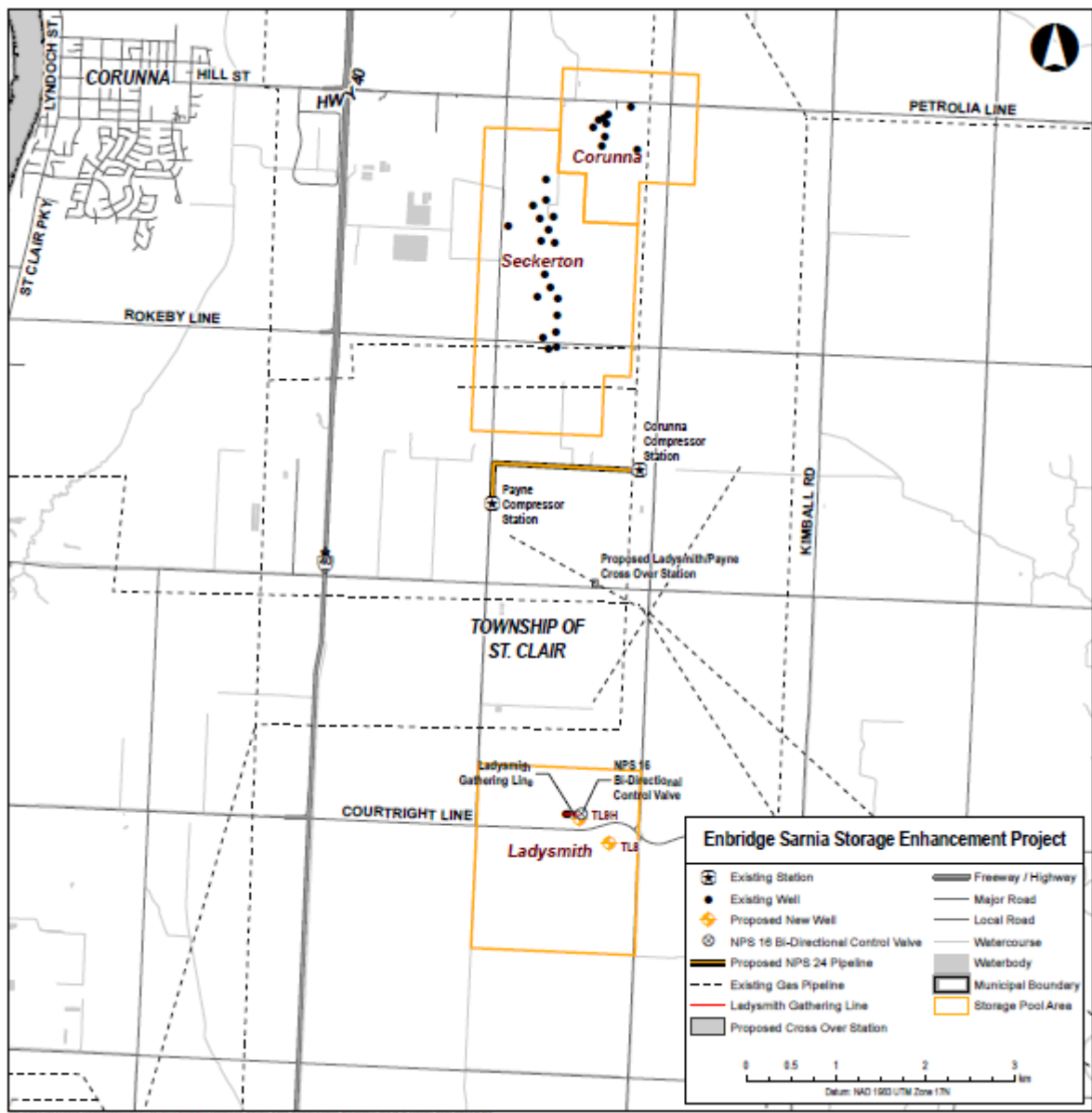
Indigenous Energy Unit
Ministry of Energy, Northern Development and Mines
416-735-3297
Kristen.bromfield@ontario.ca

We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [REDACTED] so we can set up a time to meet.

Many Thanks,

[REDACTED]
Sr Advisor Community & Indigenous Engagement
Enbridge Inc

[REDACTED]





Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8
Canada

August 14, 2020

Chief Adrian Chrisjohn

Oneida Nation of the Thames

2210 Elm Avenue

Southwold, Ontario N0L 2G0

Dear Chief Adrian Chrisjohn:

Regarding: Project Commencement for 2021/2022 Storage Enhancement Project

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

The location of the Project, including the preliminary preferred pipeline route and accompanying storage enhancement works, is shown in **Figure 1**.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-

to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

If you have any questions about the Storage Enhancement Project or would like to receive additional information and participate in the environmental study process, please do not hesitate to contact me using the contact information provided below.

Sincerely,

[REDACTED]

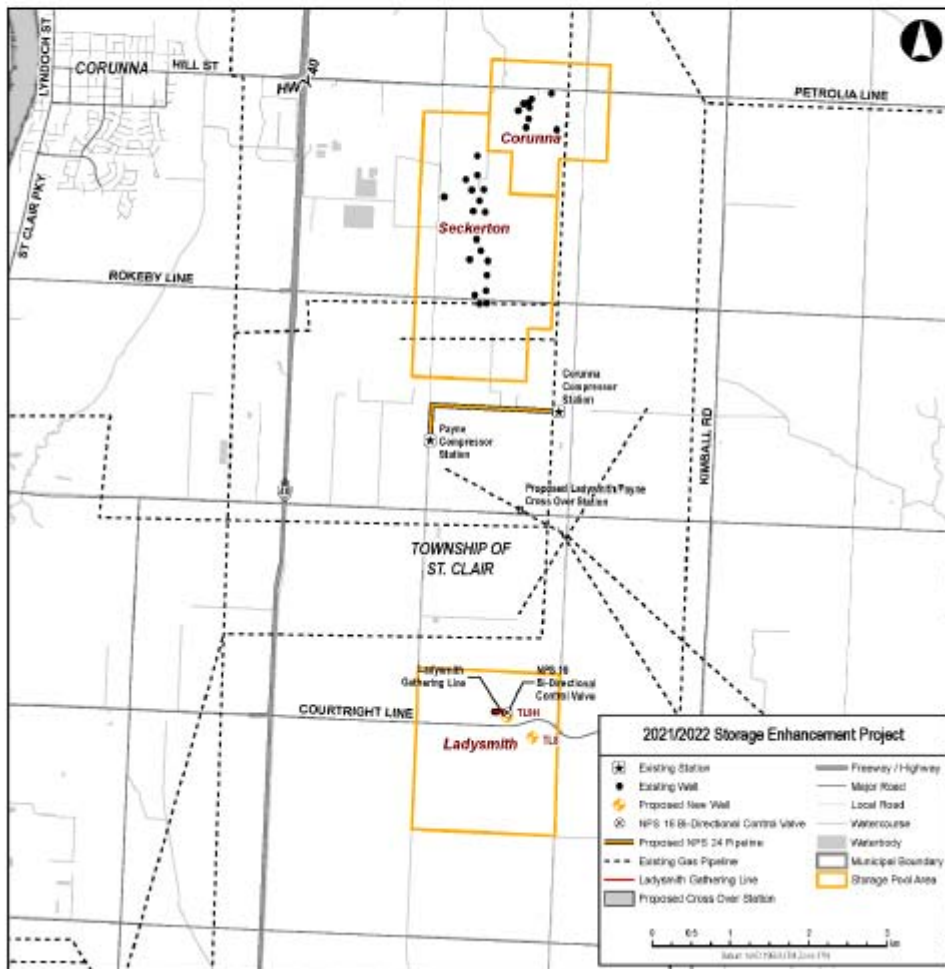
Sr. Advisor, Community & Indigenous Engagement
Enbridge Gas Inc.

[REDACTED]



Enbridge Gas Inc.
 500 Consumers Road
 North York, ON M2J 1P8
 Canada

Figure 1: Preliminary Preferred Pipeline Route and Accompanying Works



Attachment 4.3

From: [REDACTED]
To: [Chief Adrian Chrisjohn; Oneida Environment](#)
Cc: [REDACTED]
Subject: Environmental Report: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Tuesday, October 6, 2020 2:34:00 PM
Attachments: [2021 2022 Storage Enhancement - Oneida Nation of the Thames.pdf](#)
[2021 2022 Storage Enhancement map.pdf](#)

Good afternoon,

As you know, Enbridge Gas Inc. (Enbridge Gas) is seeking to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016* (Guidelines) recommend that a project proponent provide a copy of the environmental report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link, please find a copy of the ER for the 2021-2022 Storage Enhancement Project (the Project). Pursuant to the Guidelines please provide us with any comments on the ER for the Project by no later than Friday November 13, 2020.

<https://we.tl/t-tbDQjhAlmp>

Please let us know if you have any questions or concerns.

Thanks,

[REDACTED]

[REDACTED]

Analyst, Indigenous, Municipal Affairs & Stakeholder Relation

—

Attachment 4.4

From: [REDACTED]
To: [Oneida Environment](#)
Cc: [REDACTED]
Subject: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Thursday, October 22, 2020 11:07:00 AM
Attachments: [2021 2022 Storage Enhancement - Oneida Nation of the Thames.pdf](#)
[2021 2022 Storage Enhancement map.pdf](#)

Good morning,

Hope this finds you well.

We would like to set up a call to discuss the 2021/2022 Storage Enhancement project that Enbridge Gas is looking to file with the OEB next month. Below is the link to the environmental report as well attached are the notification information and map.

Would you have some dates that would be available to meet?

We appreciate the time you take to review and meet with us. Please know that we are more than happy to provide capacity funding for your staff time and review of documents.

Looking forward to hearing from you.

[REDACTED]

Attachment 5.1

From: [REDACTED]
To: dan.miskokomon@wifn.org
Cc: [REDACTED]
Subject: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Monday, August 10, 2020 11:59:00 AM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Bkewanong .pdf](#)

Good afternoon,

Please find attached our notification letter and map for the Enbridge Gas 2021-2022 Storage Enhancement Project.

-

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

We would like to meet with you to discuss the project and hear your community's feedback.

Please reach out to [REDACTED] or myself if you have any questions or concerns and we can work together to arrange a meeting on this project.

We look forward to hearing from you.

Many thanks,

[REDACTED]



Enbridge Gas Inc
500 Consumers Road
North York, ON
M2J 1P8

Chief Dan Miskokoman
Bkewanong (Walpole Island First Nation)
117 Tahgahoning Road
Walpole Island, ON
N8A 4K9

August 10, 2020

Re: 2021/2022 Storage Enhancement Project

Dear Chief Miskokoman,

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

An Environmental Report (ER) will be completed for the Project. Enbridge Gas either owns the lands within or has Gas Storage Lease Agreements and Petroleum & Natural Gas Lease Agreements in place for all of the DSAs. Permanent or temporary access roads will be required to complete the work required for some of the wells.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for

a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

Enbridge Gas' preliminary work on the Project has identified the following potential authorizations:

Federal approvals:

- Fisheries and Oceans Canada

Provincial approvals:

- Ontario Energy Board
- Ministry of Natural Resources and Forestry
- Ministry of Heritage, Sport, Tourism and Cultural Industries
- Ministry of the Environment, Conservation and Parks

Municipal approvals:

- Township of St. Clair
- County of Lambton

Other approvals:

- St. Clair Region Conservation Authority
- Hydro One Networks Inc.

Other authorizations, notifications, permits and/or approvals may be required in addition to those identified above.

We would like to consult with your community on this proposed project. We are interested in your community's feedback, including any suggestions or proposals on mitigating, avoiding or accommodating any potential impacts to Aboriginal or treaty rights.

Enbridge Gas Inc. has been delegated the procedural aspects for consultation by the Ministry of Energy on behalf of Ontario. Ministry officials are also available should you wish to contact them directly with any questions or concerns. Please contact:

Indigenous Energy Unit
Ministry of Energy, Northern Development and Mines
416-735-3297
Kristen.bromfield@ontario.ca

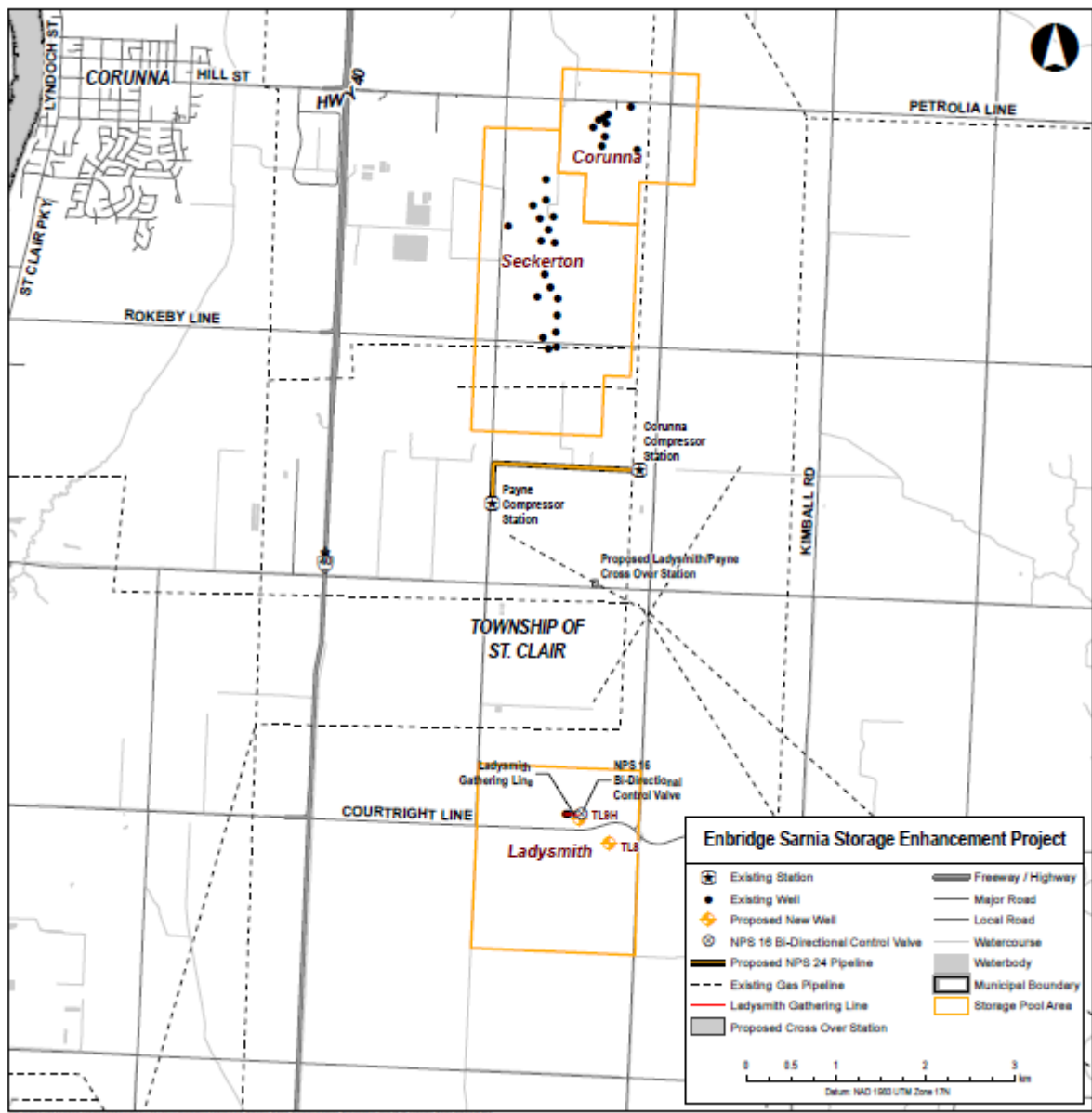
We would like to set up a meeting to discuss our project with you and provide you with an opportunity to express any questions or concerns you have. Please feel free to contact me at [REDACTED] we can set up a time to meet.

Many Thanks,

[REDACTED]

Enbridge Inc

[REDACTED]





Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8
Canada

August 14, 2020

Chief Dan Miskokomon

Bkejwanong (Walpole Island First Nation)

117 Tahgahoning Road

Wallaceburg, Ontario N8A 4K9

Dear Chief Dan Miskokomon:

Regarding: Project Commencement for 2021/2022 Storage Enhancement Project

To address increasing demand for natural gas across Ontario, Enbridge Gas is proposing to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Project will allow Enbridge Gas to store additional natural gas and will increase the deliverability of Enbridge Gas's storage operations.

The Project involves increasing the maximum operating pressure in three existing storage pools (Ladysmith, Corunna and Seckerton), and:

- Re-entering an existing well and converting it to a horizontal well, drilling an observation well.
- Upgrading an existing natural gas gathering pipeline.
- Installation of a bi-directional valve and station piping at an existing station.
- Constructing approximately 2.2 km of natural gas pipeline to connect the Payne Storage Pool to the Corunna Compressor Station located on Tecumseh Road, in St. Clair Township, Ontario.

The location of the Project, including the preliminary preferred pipeline route and accompanying storage enhancement works, is shown in Figure 1.

AECOM has been retained by Enbridge Gas to prepare an environmental report (ER) to assess the potential environmental and socio-economic effects that may result from the Storage Enhancement Project. The report will outline plans for avoiding and/or mitigating any effects, where possible. The ER will be prepared in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*. The ER will accompany a leave-to-vary application, a request for a favourable report from the OEB to the Ministry of Natural Resources and Forestry, and a leave-

to-construct application that will be submitted to the OEB in November 2020. OEB review and approval is required before this project can proceed. Construction of the Project is planned to begin as early as 2021.

If you have any questions about the Storage Enhancement Project or would like to receive additional information and participate in the environmental study process, please do not hesitate to contact me using the contact information provided below.

Sincerely,

[REDACTED]

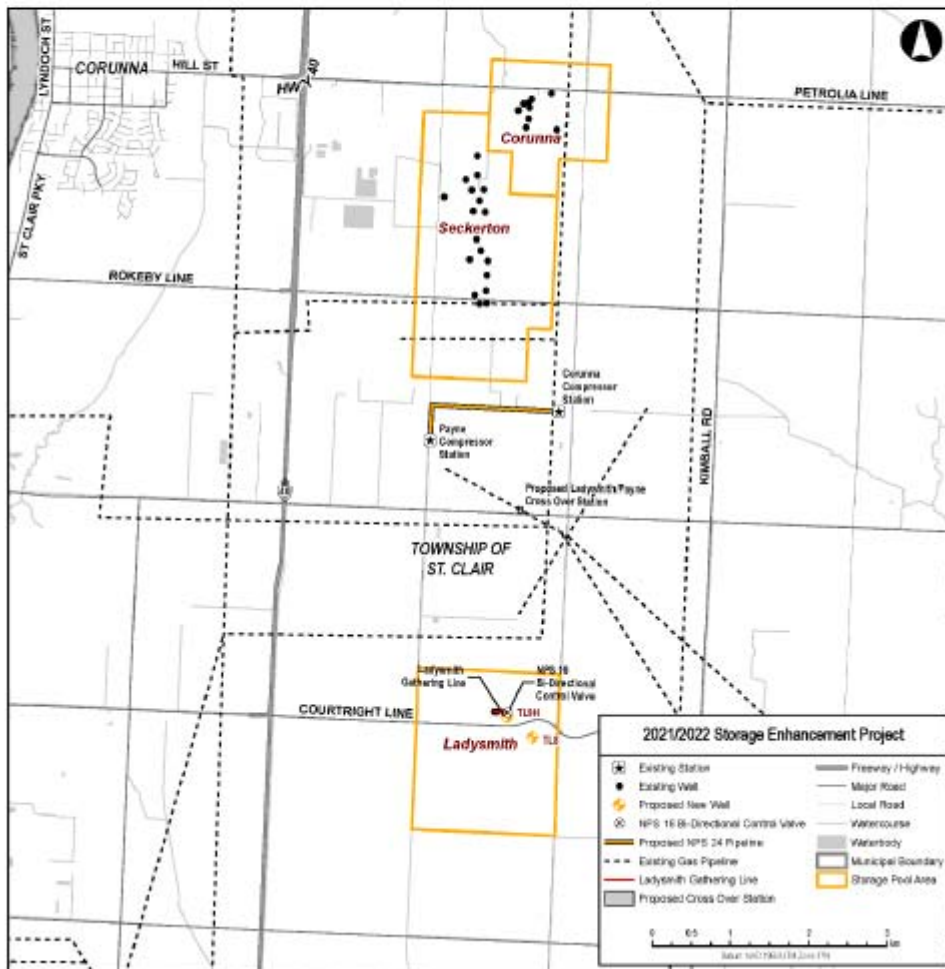
Sr. Advisor, Community & Indigenous Engagement
Enbridge Gas Inc.

[REDACTED]



Enbridge Gas Inc.
 500 Consumers Road
 North York, ON M2J 1P8
 Canada

Figure 1: Preliminary Preferred Pipeline Route and Accompanying Works



Attachment 5.3

From: [REDACTED]
To: [REDACTED]
Subject: Environment Report: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Tuesday, October 6, 2020 2:42:00 PM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Bkewanona .pdf](#)

Good afternoon,

As you know, Enbridge Gas Inc. (Enbridge Gas) is seeking to undertake a Storage Enhancement Project at its natural gas storage facilities in St. Clair Township. The Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016* (Guidelines) recommend that a project proponent provide a copy of the environmental report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link, please find a copy of the ER for the 2021-2022 Storage Enhancement Project (the Project). Pursuant to the Guidelines please provide us with any comments on the ER for the Project by no later than Friday November 13, 2020.

<https://we.tl/t-tbDQjhAlmp>

Please let us know if you have any questions or concerns. We will be discussing this Project at our meeting on October 15. Looking forward to speaking to you then.

Thanks,
[REDACTED]

Attachment 5.4

From: [REDACTED]
To: [REDACTED]
Subject: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Thursday, October 22, 2020 1:55:00 PM
Attachments: [2021 2022 Storage Enhancement map.pdf](#)
[2021 2022 Storage Enhancement - Bkewanong .pdf](#)

Good afternoon,

Hope this finds you both well.

I was hoping we could set up a meeting to discuss the 2021 Storage Enhancement Project and hear from you about any potential impacts this project might have.

I have included below the ER and the previously emailed documents.

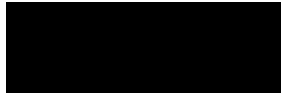
If you could provide us with some dates that would work best for you both, we would greatly appreciate it.

Thanks and I look forward to hearing from you.

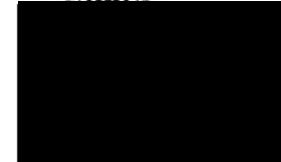
Best,
[REDACTED]

From: [REDACTED]
Sent: Monday, November 2, 2020 4:33:39 PM
To: [REDACTED]@enbridge.com>; [REDACTED]
[REDACTED]
Subject: Re: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project

Here are some dates for me: Nov 5 (am), 6 (am or pm), 9 (am or pm), 12 (am or pm), 13 (pm).



External Projects Program
Walpole Island First Nation



location: 2185 River Rd, Walpole Island

From: [REDACTED]
Sent: Monday, November 2, 2020 4:47 PM
To: [REDACTED]@enbridge.com> [REDACTED]
Subject: [External] Re: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Of these dates, I am available on the 5th (am), 6th (after 3), and the 13th (pm)



From: [REDACTED]@enbridge.com>
Sent: Tuesday, November 3, 2020 9:07 AM
To: [REDACTED]
Subject: RE: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project

Good morning,

Would Friday November 6 at 3:30 work for you both?

Thanks,

[REDACTED]

From: [REDACTED]
To: [REDACTED]
Subject: [External] Re: Virtual Meeting: Enbridge Gas 2021-2022 Storage Enhancement Project
Date: Tuesday, November 3, 2020 9:16:40 AM

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Friday at 3:30pm works for me as well.

[REDACTED]

Consultation Manager
External Projects Program
Walpole Island First Nation

Enbridge Gas 2021/22 Storage Enhancement Project

November 6, 2020



2021-2022 Storage Enhancement Project



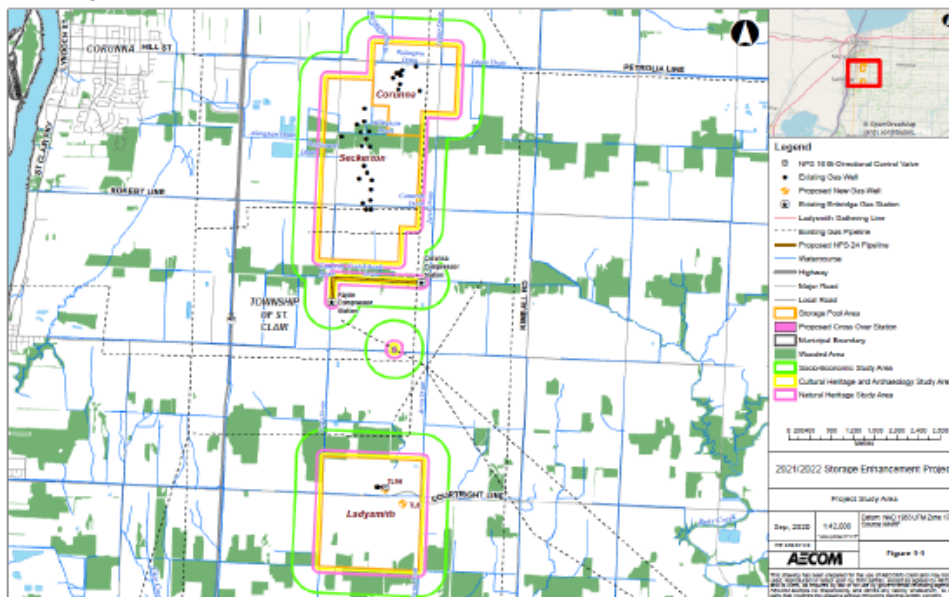
Purpose

- Enbridge is committed to engaging Walpole Island First Nation on the proposed project throughout the Life Cycle of the asset
- Project is called 2021-2022 Storage Enhancement Project
- A relatively small-scale project proposed in order to meet growing market demand for incremental storage space in Ontario and provide energy reliability and security
- Due to the nature of the scope, Ontario Energy Board (OEB) approval of the project is required prior to construction start

2



2021-2022 Storage Enhancement Project Project Maps



3

2021-2022 Storage Enhancement Project Project details



- The Project involves:
 - Safely increasing the maximum operating pressure of three existing storage pools (Ladysmith, Corunna and Seckerton)
 - Drilling one injection/withdrawal well in the Ladysmith existing storage pool (TL9H)
 - Install approximately 70 metres of NPS 10-inch steel pipeline from the proposed TL 9H well to the main Ladysmith gathering pipeline
 - Upgrade the existing 200 metres Ladysmith NPS 16 gathering pipeline to NPS 20 steel pipeline
 - Modifications to the existing Payne-Kimball Station, is proposed to provide a connection between the Payne Storage Pool pipeline and the Ladysmith Storage Pool pipeline

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2021-2022 Storage Enhancement Project

Project details continued

- Install 2.2 km of NPS 24" steel pipeline to connect the Payne Storage Pool Compressor Station to the Corunna Compressor Station
- Install Emergency Shutdown (ESD) valves on each natural gas storage well at the Corunna and Seckerton pools. All wells at Ladysmith currently have ESD valves installed. All ESDs installed on the wells will have the capability to be shut-in remotely from the Enbridge Control Room, either individually or on a per Pool basis

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2021-2022 Storage Enhancement Project

Project details continued



- Enbridge has been engaged with Walpole Island First Nation on the proposed project since August 10, 2020 and is committed to ongoing engagement throughout the Life Cycle of the asset
- Project is subject to Ontario Energy Board (OEB) approval
- OEB application is to be submitted on November 13, 2020 but engagement with Walpole Island First Nation is ongoing throughout the process
- Construction proposed to start spring 2021

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2021-2022 Storage Enhancement Project

Environmental aspects

- An Environmental Report was completed for the project, sent to the Ontario Pipeline Coordinating Committee, relevant Agencies, and Indigenous communities for review and comment on October 6th, 2020
- The ER was completed to assess the potential environmental and socio-economic effects that may result from the project in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)*
- Enbridge is committed to understanding any issues or suggestions Walpole Island First Nation might have related to proposed environmental plans and ensuring, if required, appropriate capacity is provided to support this review

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2021-2022 Storage Enhancement Project

Environmental aspects



- The ER did not result in any significant environmental or socio-economic features being identified other than the potential occurrence of the following Species at Risk (SAR) and their habitat:
 - Four bird species: Bank Swallow, Barn Swallow, Eastern Meadowlark, and Bobolink
 - Four bat species: Eastern Small-footed Myotis, Little Brown Myotis, Northern Myotis, and Tri-colored Bat
 - Two reptile species: Butler's Gartersnake and Eastern Foxsnake

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2021-2022 Storage Enhancement Project

Environmental aspects

- Measures to protect non-SAR wildlife and wildlife habitat are presented in the ER and are acceptable to all SAR and SAR habitat in the Project Study Area.
- Aecom will conduct site investigations in fall 2020 to confirm habitat suitability for SAR species. Based on these investigations, additional mitigation and avoidance measures may be developed and implemented
- Enbridge Gas will adhere to any additional mitigation and avoidance measures recommended by Aecom resulting from future site investigations
- A Stage 2 Archaeological Assessment will be completed for the project and will commence in Fall 2020
- Enbridge welcomes Walpole Islands First Nation participation in these field studies if there is interest

RISK ASSESSMENT

1. Risks and risk mitigations related to the 2021/2022 Storage Enhancement Project (“Project”) are set out below.

Risk to Project Scope

2. The risk to Project scope is interrelated with scheduling and cost risks
3. A ‘construction window’ has been provided by Enbridge Gas Storage Operations to complete the well upgrades, drilling, pipeline installations and station modifications, during which time the Ladysmith, Corunna and Seckerton Storage Pools will be taken out of service and the reservoirs will be below 3,500 kpa. This will provide a suitable and safe environment to complete the proposed work. The reservoirs must be returned to Enbridge Gas Storage Operations by late July, 2021 to ensure that there is no disruption to services for storage injections. If Enbridge Gas is not able to complete the work within the allotted window, the Project and/or portions of the Project will need to be deferred to the following year.
4. Risks to the drilling portion of the Project scope and timing have also been mitigated through geological interpretations, including reservoir modelling and 3D seismic interpretation to pick the most suitable well location in the Ladysmith Storage Pool (TL 9H). Both techniques look for characteristics of permeability and porosity, which point to areas of potential high deliverability and to areas that will provide pertinent pressure information and reliable observation well data.
5. Risks to the pipeline portion and the station modification of the Project scope and timing have been mitigated through the planning of the work to coincide with the drilling and well work. This will allow the Storage Pools to be taken out of service in

2021 and will not necessitate multiple outages over several years. If the pipeline and station work does not occur in 2021, the Pools will again have to be taken out of service in 2022.

Risk to Schedule

6. The drilling and well work must take place between April and July 2021 to ensure that there will be no disruption to service from the Ladysmith Storage Pool and to ensure that the pressure will be suitable to safely complete the drilling of the wells and the well work. The pressure in the reef must remain low and static, so that any gas encountered in the well can be effectively controlled in compliance with the *Oil, Gas & Salt Resources Act* and the CSA Z341 Standard. This is one of the mitigation measures employed for well control. If the wells cannot be drilled or upgraded in this time frame, the work will have to be deferred until 2022 when withdrawal operations are completed.
7. The Ladysmith gathering line upgrade, installation of the TL 9H lateral pipeline and station work is proposed to occur from March to October of 2021 – after completion of withdrawal operations and prior to injection operations in 2021. The work is proposed to be completed in 2021, coincident with the proposed drilling operations.
8. The connection of the lateral pipeline from the TL 9H well will require the Ladysmith pipeline to be depressurized and taken out of service. If the installation of the lateral is coordinated with the upgrade of the Ladysmith gathering line, it will only require the Ladysmith pipeline to be depressurized once in 2021.
9. The proposed work at the Ladysmith station will also require the depressurization of the Ladysmith pipeline. Again, coordinating this work with the gathering line upgrade and drilling work will keep the Pool outage to a minimum.

10. The Ladysmith/Payne crossover will be installed during the time between the 2022 withdrawal and injection operations to minimize any impact of the Ladysmith Storage Pool and Ladysmith pipeline being taken out of service for this work. To ensure that the work is completed safely, the Payne Storage Pool and Payne pipeline will also have to be taken out of service during construction to install the connection between the Payne and Ladysmith pipelines. The Ladysmith pipeline will have to be rerouted to connect to the Payne pipeline. The majority of the work will take place inside of the Payne-Kimball Station.

Risk to Project Cost

11. The Project is part of Enbridge Gas's unregulated storage business and therefore project costs will not have any rate impact.

Risk to Land Use Requirements

12. The TL 9H well will be drilled on an existing gravel pad, on agricultural lands owned by Enbridge Gas. The TL 9H tenant farmer will be compensated for any crop loss associated with the drilling operations.
13. Enbridge Gas has existing all-weather laneways and pads to most wells and therefore access should not be an issue. Temporary access roads will be installed for 3 wells in the Corunna Storage Pool and 1 well in the Seckerton Storage Pool, on land owned by private landowners. The landowners will be compensated for use of the lands and any crop loss associated with the operations.
14. Enbridge Gas has an existing all-weather laneway to the Ladysmith Station and existing all-weather laneways to the three existing Ladysmith natural gas storage

wells, all on agricultural lands owned by Enbridge Gas. The Ladysmith gathering line work will also take place on the same lands, and will be accessed by the all-weather laneways mentioned above. The installation of the pipeline may impact the agricultural lands to the south of the well pads, but will still remain on Enbridge Gas owned lands. The tenant farmer will be compensated for any crop loss associated with the pipeline operations.

15. The installation of the equipment for the Ladysmith/Payne connection will take place within the existing Kimball-Payne Station, which has all-weather access. The modifications to the Ladysmith pipeline will take place on private agricultural lands. As such an easement will be required to cover the installation of the two separate segments of pipeline. The landowners will be compensated for use of the lands and any crop loss associated with the operations.
16. The proposed NPS 24 pipeline preferred route from the Payne Storage Pool to the Corunna Compressor Station will be located on third party properties. The proposed route parallels the public right-of-way, existing pipeline infrastructure and third party property boundaries. Easements with the third party landowners will be required. Work areas will be established along the pipeline route and the landowners will be compensated for the use of the lands and any crop loss associated with the pipeline construction.

Risks to the Environment

17. Risks and mitigations related to environmental matters are set out in the C series of Exhibits at Exhibit C, Tab 1, Schedule 1.

Risk to Consultations

18. During consultations, Enbridge Gas stated that the drilling, well work, Ladysmith pipeline upgrade, Ladysmith Station work and the Ladysmith/Payne crossover installation was proposed to occur in the April to October timeframe of 2021 and Enbridge Gas would like to honour this commitment as closely as possible.

MINISTRY OF NATURAL RESOURCES AND FORESTRY REQUIREMENTS

Drilling Applications

1. Enbridge Gas understands that the Ontario Energy Board (“Board”) will require Enbridge Gas to conform to CSA Z341.1-18 Storage of Hydrocarbons in Underground Storage Formations (“CSA Z341.1-18”) to the satisfaction of the Ministry of Natural Resources and Forestry (“MNRF”).
2. The drilling application for well TL 9H was sent to the MNRF via courier on November 2, 2020. Attachment 1 sets out the cover letter and drilling application provided to the MNRF.
3. Enbridge Gas confirms that it will fulfill, to the satisfaction of the MNRF, all the relevant requirements of CSA Z341.1-18, the *Oil, Salt and Gas Resources Act* and related regulations. The following sections outline the requirements and work completed to date related to the aforementioned requirements.
4. Enbridge Gas contacted the MNRF via email on October 5, 2020 to inform the MNRF of Enbridge Gas’ intention to submit an application to the Board in mid-November 2021. The application would contain a request for a favourable report from the Board for the drilling of a well in the Ladysmith Storage Pool and a request for increasing the maximum operating pressure in the Corunna Storage Pool, Ladysmith Storage Pool and Seckerton Storage Pool.
5. Enbridge Gas also informed the MNRF that the following studies had been conducted in compliance with CSA Z341.1-18 and to support the application:

- Engineering studies completed by Geofirma Engineering Ltd. (“Geofirma”) confirming that the proposed operating pressure increase does not exceed the maximum safe operating pressure for the Corunna, Ladysmith and Seckerton Storage Pools.
- A Neighbouring Assessment for each Pool as prescribed by CSA Z341.1-18
- A Risk Assessment (“What if” analysis of hazards and operability issues) for each Pool for the proposed drilling and the proposed maximum operating pressure

Enbridge Gas informed the MNRF that they would be submitting the studies to them and that Enbridge Gas would be pleased to meet with the MNRF to review the studies and the proposed application.

6. MNRF acknowledged receipt of the Enbridge Gas email on October 15, 2020 and confirmed that they would contact Enbridge Gas if further clarification was required.
7. Enbridge Gas contacted MNRF by email on October 26, 2020 to inform them that the proposed time of filing was not mid-November 2021, but mid-November 2020.
8. MNRF responded that they had received the updated information and would contact Enbridge Gas with any questions. The email chain can be found as Attachment 2 to this Exhibit.
9. The following technical information was provided to the Petroleum Resources Section of the MNRF on November 10, 2020 for the proposed drilling operation and for the proposed elevation of the maximum operating pressure:
 - a. Engineering studies completed by Geofirma confirming that the maximum safe operating pressure exceeds 16.5 kPa/m (0.73 psi/ft) for the

Ladysmith Storage Pool and 17.2 kPa/m (0.76 psi/ft) for the Corunna and Seckerton Storage Pools. The approach used by Geofirma is consistent with previous studies completed for storage pools operated at elevated pressure gradients above 15.9 kPa/m (0.70 psi/ft).

- b. An Assessment of Neighbouring Activities for the Corunna Storage Pool, the Ladysmith Storage Pool and the Seckerton Storage Pool as prescribed by Clause 5.2 of CSA Z341.1-18, assessing: a) wells within 1 kilometre; b) operations within 5 kilometre and; c) the integrity of all wells penetrating the storage zone
 - c. "What If" Analysis of hazards and operability for each of the Pools
10. Executive Summaries of these reports can be found at the following attachments to this Exhibit:
- a. Attachment 3 for Corunna Storage Pool
 - b. Attachment 4 for Ladysmith Storage Pool
 - c. Attachment 5 for Seckerton Storage Pool
11. The Executive Summary for the Corunna Storage Pool contains:
- a. An outline of the parameters of the Engineering Study completed by Geofirma and confirmation that the proposed increase of 17.2 kPa/m (0.76 psi/ft) does not exceed 80% of the fracture gradient in compliance with CSA Z341.1-18.
 - b. An outline of the considerations employed in the "What If Analysis of Hazards and Operability Issues sessions and report. A total of 240 "What if" entries were generated from the scope of CSA Z341.1-18 during the sessions and there were no action items generated from the risk ranking

sessions. It was concluded that the sessions were a complete study of the hazards and operability issues associated with the proposed operating pressure elevation and the drilling of the TC 8 well.

- c. A synopsis of the methodology and results of the “Assessment of Neighbouring Activities” (“Assessment”) for the Corunna Storage Pool. The Assessment identified 77 wells (both abandoned and active) that have been drilled within 1 kilometre of the base of gas of the Corunna Storage Pool, with 42 of the wells (both abandoned and active) penetrating the storage zone. For each of the 42 wells penetrating the storage zone, Enbridge Gas thoroughly reviewed the completions and abandonment methods and the wells were subjected to a qualitative risk ranking evaluation. The review indicated that one well, Imperial Corunna No. 4 (IC 4) would require remedial work. Although IC 4 had been abandoned in compliance with the requirement of the Regulations that were in place at the time (the well was plugged and the well is not leaking), the abandonment does not meet Enbridge Gas standards and the well will be re-abandoned, prior to increasing the pressure in the Corunna Storage Pool. The review indicated that there will be no impact on the integrity of the storage zone from the remainder of the wells (both active and abandoned) located within 1 kilometer and/or existing operations located within 5 kilometers of the base of gas of the Corunna Storage Pool.

12. The Executive Summary for the Ladysmith Storage Pool contains:

- a. An outline of the parameters of the Engineering Study completed by Geofirma and confirmation that the proposed increase of 16.5 kPa/m (0.73

psi/ft) does not exceed 80% of the fracture gradient in compliance with CSA Z341.1-18.

- b. An outline of the considerations employed in the “What If Analysis of Hazards and Operability Issues sessions and report. A total of 260 “What if” entries were generated from the scope of CSA Z341.1-18 during the sessions and there were no action items generated from the risk ranking sessions. It was concluded that the sessions were a complete study of the hazards and operability issues associated with the proposed operating pressure elevation and the drilling of the TL 9H well.
 - c. A synopsis of the methodology and results of the “Assessment of Neighbouring Activities” (“Assessment”) for the Ladysmith Storage Pool. The Assessment identified 32 wells (both abandoned and active) that have been drilled within 1 kilometre of the base of gas of the Ladysmith Storage Pool, with 11 of the wells (both abandoned and active) penetrating the storage zone. For each of the 11 wells penetrating the storage zone, Enbridge Gas thoroughly reviewed the completions and abandonment methods and the wells were subjected to a qualitative risk ranking evaluation. The review indicated that there will be no impact on the integrity of the storage zone from the wells (both active and abandoned) located within 1 kilometer and/or existing operations located within 5 kilometers of the base of gas of the Ladysmith Storage Pool.
13. The Executive Summary for the Seckerton Storage Pool contains:
- a. An outline of the parameters of the Engineering Study completed by Geofirma and confirmation that the proposed increase of 17.2 kPa/m (0.76

psi/ft) does not exceed 80% of the fracture gradient in compliance with CSA Z341.1-18.

- b. An outline of the considerations employed in the “What If Analysis of Hazards and Operability Issues sessions and report. A total of 262 “What if entries” were generated from the scope of CSA Z341.1-18 during the sessions and there were no action items generated from the risk ranking sessions. It was concluded that the sessions were a complete study of the hazards and operability issues associated with the proposed operating pressure elevation.

- c. A synopsis of the methodology and results of the “Assessment of Neighbouring Activities” (“Assessment”) for the Seckerton Storage Pool. The Assessment identified 99 wells (both abandoned and active) that have been drilled within 1 kilometre of the base of gas of the Seckerton Storage Pool, with 53 of the wells (both abandoned and active) penetrating the storage zone. For each of the 53 wells penetrating the storage zone, Enbridge Gas thoroughly reviewed the completions and abandonment methods and the wells were subjected to a qualitative risk ranking evaluation. The review indicated that there will be no impact on the integrity of the storage zone from the wells (both active and abandoned) located within 1 kilometer and/or existing operations located within 5 kilometers of the base of gas of the Seckerton Storage Pool.



November 2nd, 2020

Ministry of Natural Resources and Forestry
659 Exeter Road
London, Ontario
N6E 1L3

Attention: Records Officer:

Re: Proposed 2021 Well Drilling Program at Ladysmith Pool

Enbridge Gas Inc. is proposing to convert the existing stratigraphic test well TL9, Moore 8-20-V, licence 12612, into a storage well and hereby submits two copies of the drilling program.

To coordinate application fee payment or if you have any questions, please contact me at 519 436-4600 ext. 5002815.



Principle Reservoir and Drilling Engineer
Underground Storage (Canada)
Enbridge Gas Inc.



Oil, Gas and Salt Resources Act

Application for a Well Licence

Form 1

To the Minister of Natural Resources

v.2015-12-15

The undersigned operator applies for a well licence under the Oil, Gas and Salt Resources Act and the Regulations thereunder and submits the following #

1. WELL NAME TL 9H (HORIZ. #1). Moore 8-20-V Target Formation Guelph

Purpose of Proposed Well (Well Type) Natural Gas Storage

2. OPERATOR Enbridge Gas Inc. Tel # 519 436-4600 Fax # 519 436-4560

Street Address 50 Keil Drive North City Chatham Prov. On Postal Code N7M 5M1

Mailing Address _____ City _____ Prov. _____ Postal Code _____

Contact Name Mike Learn Contact Tel # 519-436-4600 x5002815

Email [REDACTED]

3. LOCATION County Lambton Township St. Clair

Tract 8 Lot 20 Concession V Offshore: Block _____ Tract _____ Licence/Lease No. _____

Surface location, metres from 84.5 m North South Latitude 42° 48' 52.713" N Bottom-hole Lat. 42° 48' 36.161" N

Lot Boundaries 82.25 m East West Longitude 82° 22' 51.329" W Bottom-hole Long. 82° 22' 55.549" W

Within 1.6 km of Designated Storage Area? Yes No Off-target? Yes No

4. WELL PARTICULARS Vertical Horizontal Directional Deepening Re-entry Lateral

Rig Type: Rotary Cable Well to be cored? Yes No Formation at TD Guelph

Ground Elevation 188.8 Proposed Depth MD 1123.0 Proposed Depth TVD 662.8 Proposed Start Date May-21

5. POOLING

Pooling of the Spacing Unit or unitization of the Unit Area shown on the attached well location plan has been completed (see Ont. Reg. 245/97 definitions for "pooled spacing unit" and "unitize") Yes No

6. DRILLING CONTRACTOR [REDACTED] Tel # [REDACTED]

Address 2120, 500 4th Ave S.W. City Calgary Prov. AB Postal Code T2P 2V6

7. PROPOSED CASING AND CEMENTING PROGRAM

Hole Size (mm)	Casing O.D. (mm)	Weight (kg/m)	Grade	New, Used or in-hole	Setting Depth MD	Setting Formation	CASING SETTING INFORMATION		
							How Set	Cement Type	Cement Top KB / RF
482.6	406.40	96.73	H-40	In Hole	79.5	Kettle Point / Bedrock	Cemented	0:1:0	4
374.4	298.50	69.94	K-55	In Hole	449.8	F Unit Shale	Cemented	0:1:8; 0:1:0	4
269.9	219.10	47.62	K-55	New	637.0	A-2 Anhydrite	Cemented	0:1:0	4

8. BLOW-OUT PREVENTION EQUIPMENT

Diverter, Annular Preventer; Blind Rams, Pipe Rams

9. WELL SECURITY Name of Trustee 1236596 Ontario Limited Total # Unplugged Wells 366 Current Balance \$70,000

Harrison Pensa & Associates

10. REMARKS

11. ENCLOSURES Fee Location Plan (Land wells only) Drilling Program

12. NOTICE OF COLLECTION

The Ministry of Natural Resources and Forestry is collecting your personal information under the authority of the Oil, Gas and Salt Resources Act. Any personal information provided on this application will be used for licensing and law enforcement purposes only and will be protected in accordance with the Freedom of Information and Protection of Privacy Act. If you have questions about use of your personal information, please contact the Policy and Program Officer, Petroleum Operations Section, Ministry of Natural Resources and Forestry, 659 Exeter Road, London N6B1L3, 519-873-4638.

13. AUTHORITY

The undersigned certifies that the information provided herein is complete and accurate, the operator has the right to drill or operate a well in the above location, and he/she has authority to bind the operator.

Date (d/m/y)	<u>2-Nov-20</u>	Name	<u>Mike Learn</u>	Signature	<u>[REDACTED]</u>
		Company	<u>Enbridge Gas Inc.</u>	Title	<u>Principal Drilling and Reservoir Engineer</u>

Application For Well Licence

***TL 9H (HORIZ. #1). Moore 8-20-V
Moore Pool***

Enbridge Gas Inc.

Geology and Reservoir Engineering

October 5, 2020

Contacts

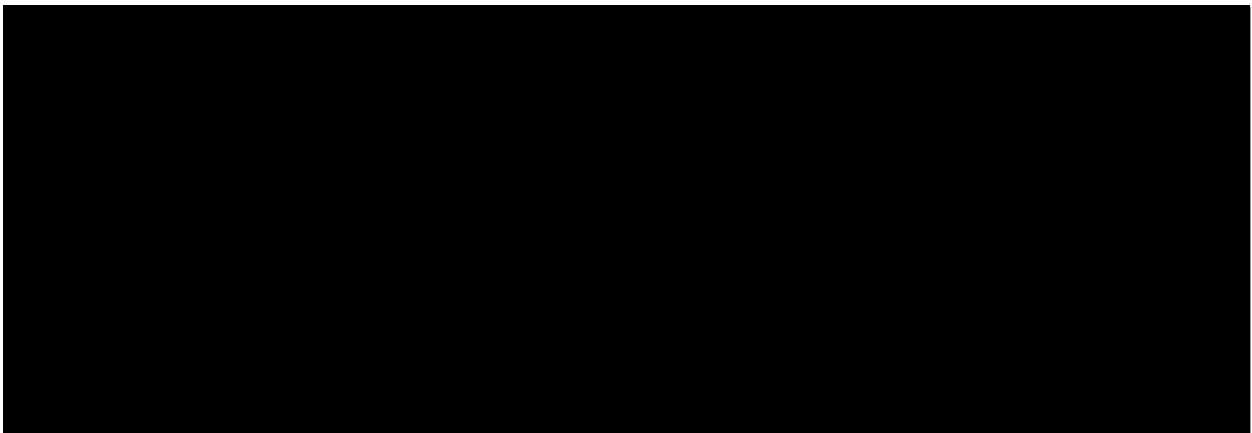
TL 9H (HORIZ. #1). Moore 8-20-V

EMERGENCY CONTACTS

Police Fire & Ambulance	911
911 Address	3132 Tecumseh Road, St. Clair Township

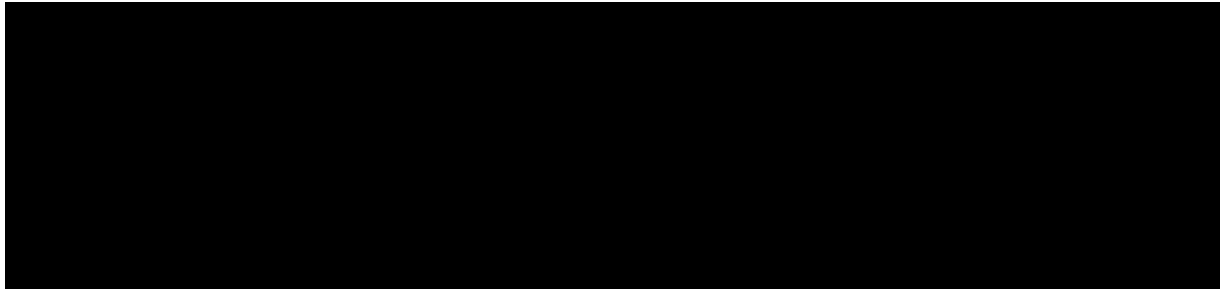
Tecumseh Control Room	519-862-6012
M.O.E. Spills Hotline	1-800-268-6060
MNR Contact	519-873-4645
MOL	1-877-202-0008

ENBRIDGE GAS CONTACTS

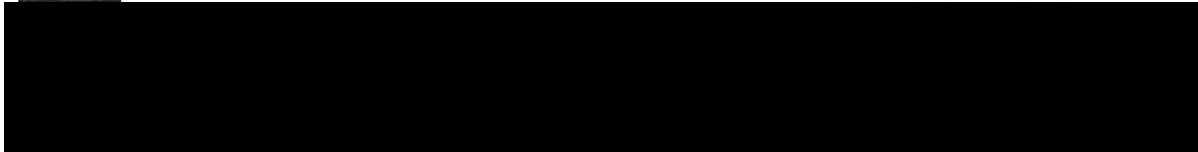


Contractors

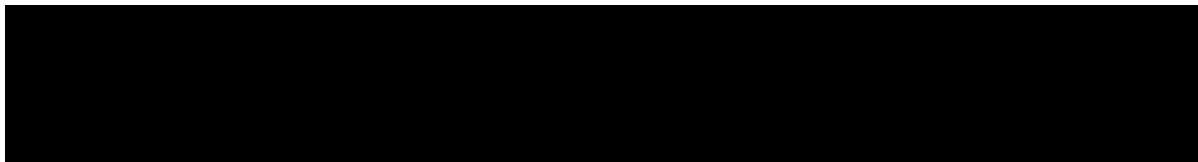
Contractor	Contact	Phone	Email
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Wellheads



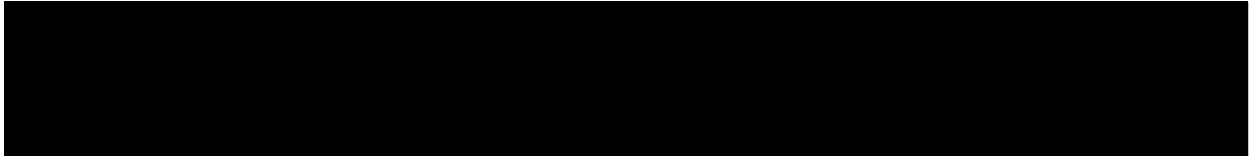
Drill Bits:



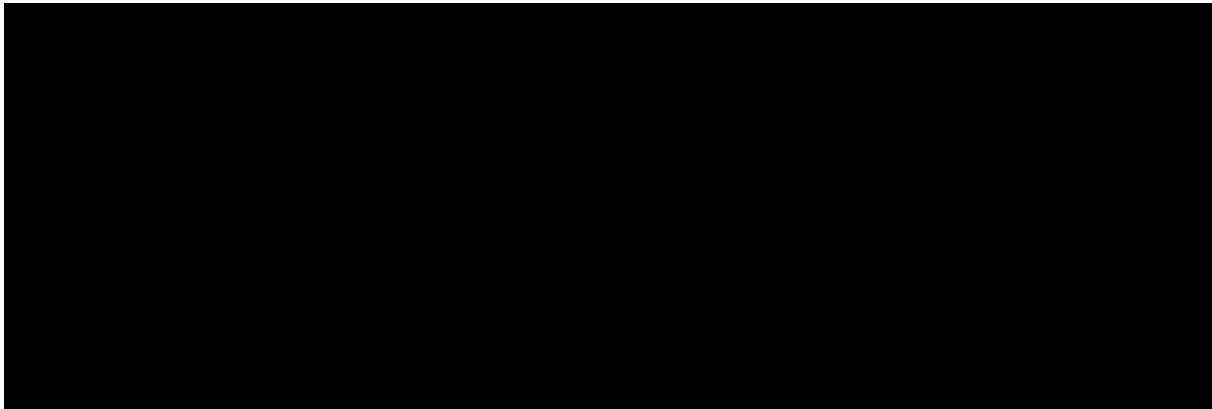
Wireline Services:



Water Hauling:



Rental Equipment:



Welders:



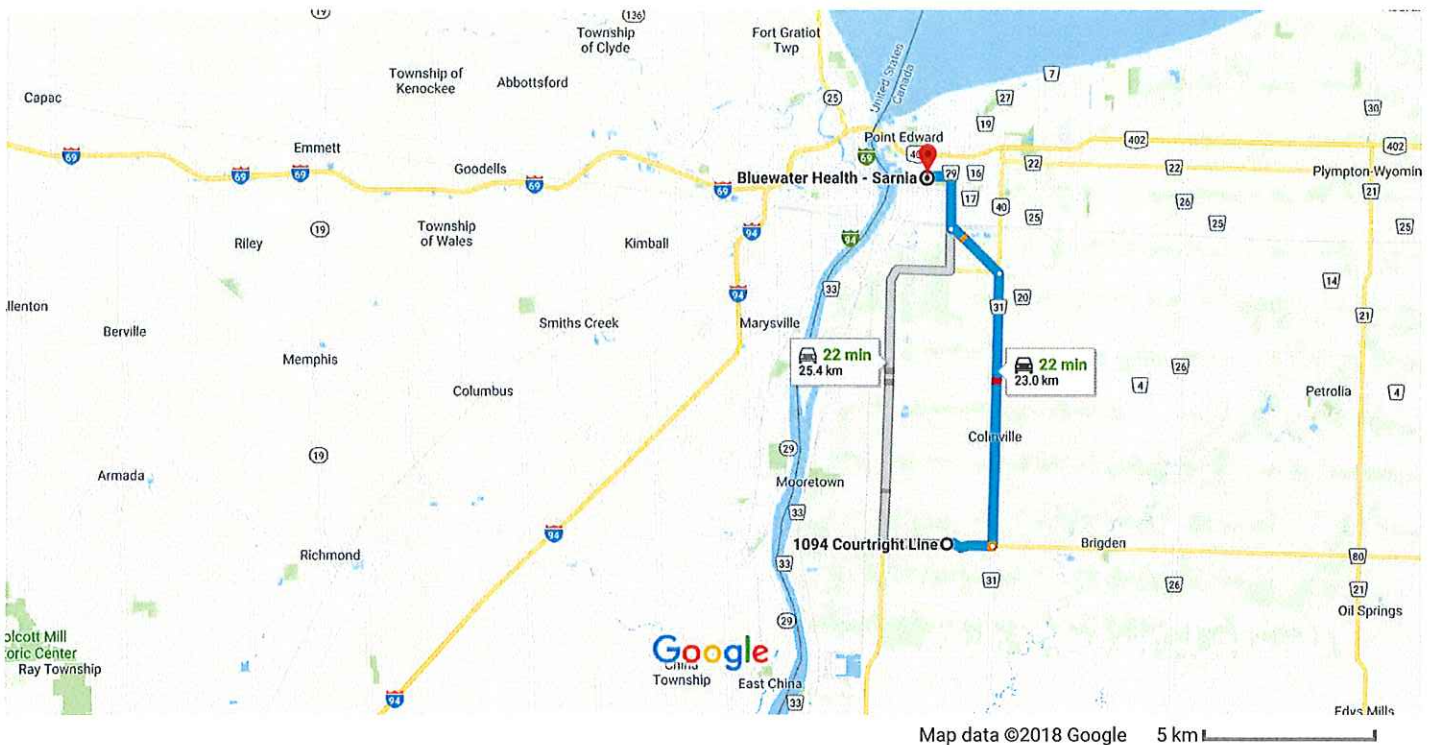
Government & Other Agencies

MNRF	Petroleum Resources Centre	Office: 519-873-4634 Fax: 519-873-4645	ogsr.mnrf.gov.on.ca
MOECC	Spill Reporting	1-800-268-6060	
MOL	Health & Safety	1-800-265-1676	
Oil, Gas & Salt Resources Library		Office: 519-686-2772 Fax: 519-686-7225	



1094 Courtright Line to Bluewater Health - Sarnia
 Ladysmith Map

Drive 23.0 km, 22 min



1094 Courtright Line

Courtright, ON N0N 1H0

- ↑ 1. Head east on Courtright Line/County Rd 80 toward Tecumseh Rd 2.4 km
- ↶ 2. Turn left onto Kimball Rd/Lambton County Rd 31 13.5 km
- ↶ 3. Turn left onto Plank Rd/County Rd 20
i Continue to follow Plank Rd 3.3 km
- ↷ 4. Turn right onto Indian Rd S/County Rd 29 2.6 km
- ↶ 5. Turn left onto London Rd/Route 16 1.1 km
- ↶ 6. Turn left onto Norman St 74 m

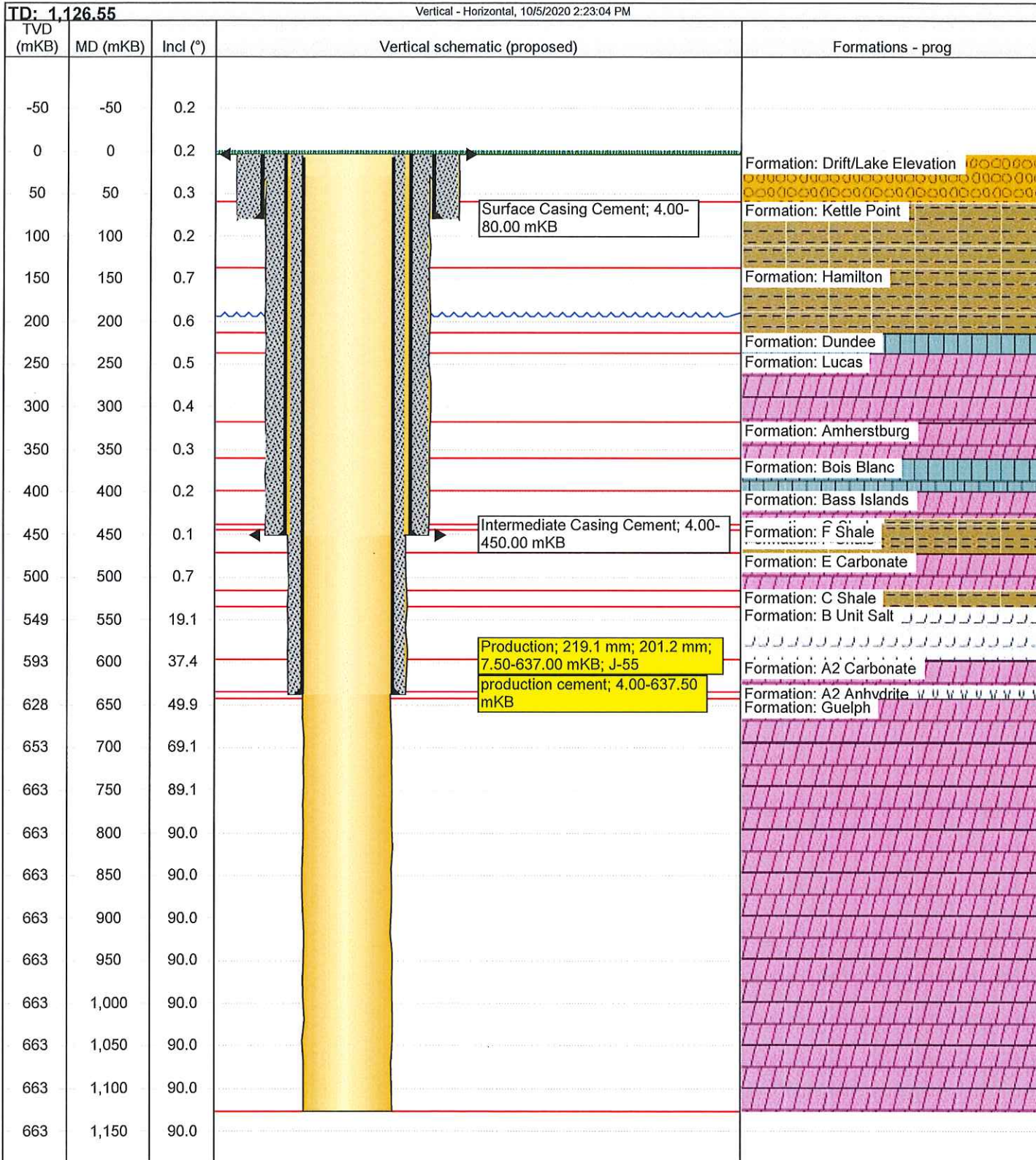
Bluewater Health - Sarnia

89 Norman St, Sarnia, ON N7T 6S3

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Well Name: TL9, Moore 8-20-V
 License Number: 12612

Most Recent Job				
Job Category Drilling	Primary Job Type Drilling	Secondary Job Type	Start Date 9/1/2019	End Date



WELLBORE, CASING AND CEMENTING SUMMARY

TL 9H (HORIZ. #1), Moore 8-20-V

Description	Hole Size (mm)	MD / TVD (mKB)		Drilling Fluids	Casing Size, Grade, Weight kg/m	Formation @ Depth	Depth Into Formation (m)	How Set
		MD	TVD					
Production Hole	269.9	637.5	MD	Brine	219.10	A-2 Anhydrite	3	Cement to surface with 34.22 Tonnes Class G, 0-1-0 with 2% CaCl ₂ +10% NaCl. See Cement Program for details
		618.9	TVD		K-55			
					47.62			
Main Hole	200	1123.0	MD	Fresh Water		Guelph	40.3	
		662.8	TVD					
All depths referenced to 4.0 mKB								

DRILLING PROCEDURE

TL 9H (HORIZ. #1). Moore 8-20-V

Pre Spud

Fresh Water Well samples

Obtain samples from all fresh water wells located within a minimum radius of 750m of the proposed well. Perform water analysis and keep copies of the results.

Site Preparation

Prepare drilling location.
Locate all drainage tiles crossing lease area.
Strip and stockpile all top soil from lease.
Construct adequate berms around lease and access road as required.
Cut, block and divert drainage tile as required.

Government Notification

Underground Storage to notify M.N.R.F. 48 hours prior to spud and prior to resumption of drilling activities.

Signs

Install rig sign on access road to lease.

Safety Meeting

Conduct a pre-spud safety meeting for all crews. Rig Manager and all crew members must be present
Additional safety meetings shall be conducted at the Well Site Supervisor's discretion.

DRILLING PROCEDURE

TL 9H (HORIZ. #1). Moore 8-20-V

Production Hole

Note: Reservoir pressure must be below 500p.s.i. before proceeding to next step. Enbridge to notify Contractor when pressure is below 500 p.s.i.

1. Rig in Rotary Rig.
2. Perform flow check and remove blind flange.
3. Hold Safety Meeting.
4. Pressure Test Pipe Rams to 1400 kPag for ten minutes. Pressure Test the entire BOP system to 7000 kPag for 10 minutes and record results in log according to OGSRA Operating Standards
(This pressure test also tests the casing and casing bowl requirement of 5,500 kPag.)
5. Drill a maximum of 0.5 m of new formation with 269.9 mm bit.
6. Prepare for Pressure Integrity Test (P.I.T.). Using a low volume, high pressure pump, pressure test the formation at a pressure equivalent to a gradient of 18 kPa/m for 10 min using an incompressible fluid.
7. POOH
8. Rig in directional drilling tools
9. Drill 3.0 m into the A-2 Anhydrite (637.5 MD, 618.9 TVD) with 269.9 mm bit. Survey every 30m

Note: Geologist will be onsite to verify top of A-2 Anhydrite formation.

10. Run 219.1 mm production casing to 637mKB with insert float at top of bottom joint. Centralizers to be placed 2 m above shoe, at joints 2, 3, 4 and 5 and every 4th joint to surface. Tack weld guide shoe on bottom. The optimum makeup torque is 5660 N-m (4170 ft-lb) and the maximum makeup torque is 7080 N-m (5210 ft-lb). Ensure that a collar is not positioned where the wellhead seals need to be installed.
11. Record production casing OD, weight, grade, placement of cementing hardware and set depth.
12. Hold safety meeting.
13. Prepare to cement 219.1 mm production casing to surface.
14. Pressure test surface equipment to 15 MPag for 1 minute. Ensure no leaks.
15. Pump citric acid followed by fresh water pre-flush. Cement to surface as per Cementing Program - 219.1 mm PRODUCTION CASING. Displace cement with fresh water. Ensure cement returns to surface or arrange for remedial cementing from surface. Take a minimum of four cement samples to verify setup time and density. Record all circulating pressures and volumes.
16. Lift BOP and set casing slips.

DRILLING PROCEDURE

TL 9H (HORIZ. #1). Moore 8-20-V

Main Hole - Rotary Rig

Note: Reservoir pressure must be below 500p.s.i. before proceeding to next step. Enbridge to notify Contractor when pressure is below 500 p.s.i.

1. Set primary seals. Cut off casing to proper height. Install casing spool.
2. Hold safety meeting. Cased Hole Logging. See *LOGGING PROGRAM, Log Run 2*.
WOC is 48 hours

Note: Do not use Directional drill string to drill out cement

3. RIH. Drill out cement, shoe and 0.5 m of new formation with 200.0 mm bit.
4. Prepare for Pressure Integrity Test (P.I.T.). Using a low volume, high pressure pump, pressure test the formation at a pressure equivalent to a gradient of 18 kPa/m for a duration of ten (10) minutes using an incompressible fluid.
5. P.O.O.H. and rig in directional drilling contractor.
6. Continue open hole section to 1123 mKB MD as per directional drilling contractor.
One sample shall be collected every 3 m from the production casing to TD.
7. P.O.O.H. Rig out directional driller, separator, flare stack and foam unit.
8. Rig in wireline company.
9. Set wireline retrievable release plug in vertical section (~450 mKB MD). Check for gas.
10. Rig out wireline company.
11. Rig out rotary drilling rig.
12. Rig in service contractor and retrieve release plug.
13. Install blind flange on top of master valve.
14. Drilling department to notify M.N.R.F. within 48 hours after TD is reached.

CASING PROGRAM

PRODUCTION CASING SUMMARY

Description	Metric		Imperial	
	Value	Unit	Value	Unit
Top	0.0	mKB	0.0	ftKB
Bottom	637.0	mKB	2089.9	ftKB
Outside Diameter	219.10	mm	8.626	inches
Weight	47.62	kg/m	32.0	lb/ft
Drift Diameter	198.00	mm	7.795	inches
Inside Diameter	201.20	mm	7.921	inches
Grade	K-55		K-55	
Thread	8 RD		8 RD	
Coupling	LT & C		LT & C	
Burst	27,100	kPa	3,930	psi
Collapse	17,440	kPa	2,530	psi
Pipe Body Yield Strength	223,700	daN	503,000	lb-f
Joint Strength	201,000	daN	452,000	lb-f
Torque - Optimum	5,660	N-m	4,170	ft-lb
Torque - Maximum	7,080	N-m	5,210	ft-lb
Condition	New			
Float Equipment	Float Collar (Top of 1 st joint)			
Centralizers	Every joint for first 15 joints then every 4 th joint & 10 m from surface			
Shoe	Guide			
Threadlock	Threadlock guide shoe on bottom joint of casing			

CEMENTING PROGRAM

219.1 mm PRODUCTION CASING

Equipment

- Pumping unit
- Cementing head (plug loading type)
- One 219.1 mm wiper plug

CEMENT SPECIFICATIONS

Description	Value	Unit
Top	0.0	mKB
Bottom	637.0	mKB
Pre-sweep (Citric Acid)	3.00	m ³
Pre-sweep (Fresh Water)	1.00	m ³
Cement Excess (Openhole)	100%	
Cement Excess (Cased Hole)	30%	
Cement Type	0:1:0	Class 'G'
Mix Water	10%	Salt Water
Fluid loss/Dispersant	0.75%	T-10
Gas Block (if required)	0.4%	D-24
Density	1901	kg/m ³
Water Requirement	0.440	m ³ /t
Yield	0.772	m ³ /t
Cement Volume	26.42	m ³
Cement Yield	34.22	tonnes
Pump Rate	0.6 - 0.8	m ³ /min
Displacement (Brine)	0.75	m ³
W.O.C.	48	hrs
24 Hr. Compressive Strength	6,895	kPa

NOTE: Cement program may be changed if well integrity conditions dictate

CEMENTING PROCEDURE

1. Run casing and set casing slips.
2. Pump pre-sweep, pump cement, drop top plug. PUMP OUT LINES.
3. Displace plug with brine. DO NOT OVERDISPLACE MORE THAN 1/2 SHOE JOINT VOLUME.
Bump plug 3,500 kPa over pumping pressure.
4. Maintain a constant pump rate throughout the cement job.
5. Catch cement slurry samples while mixing and set aside.
6. Observe setting time and cement quality.
7. If no cement returns to surface, consult with Storage Operations Supervisor regarding re-cementing from top with macaroni string using Class 'G' cement + 3% CaCl₂.
8. Obtain a 1 litre sample of the dry cement used in the cement job. This will be used for testing if subsequent cement problems occur (i.e. flash setting).
9. Run a Cement Bond Tool to evaluate the integrity of the cement bond and to locate the position of the cement top.

PRESSURE TEST PROGRAM

TL 9H (HORIZ. #1), Moore 8-20-V

PRODUCTION HOLE - PRESSURE INTEGRITY TEST (PIT)

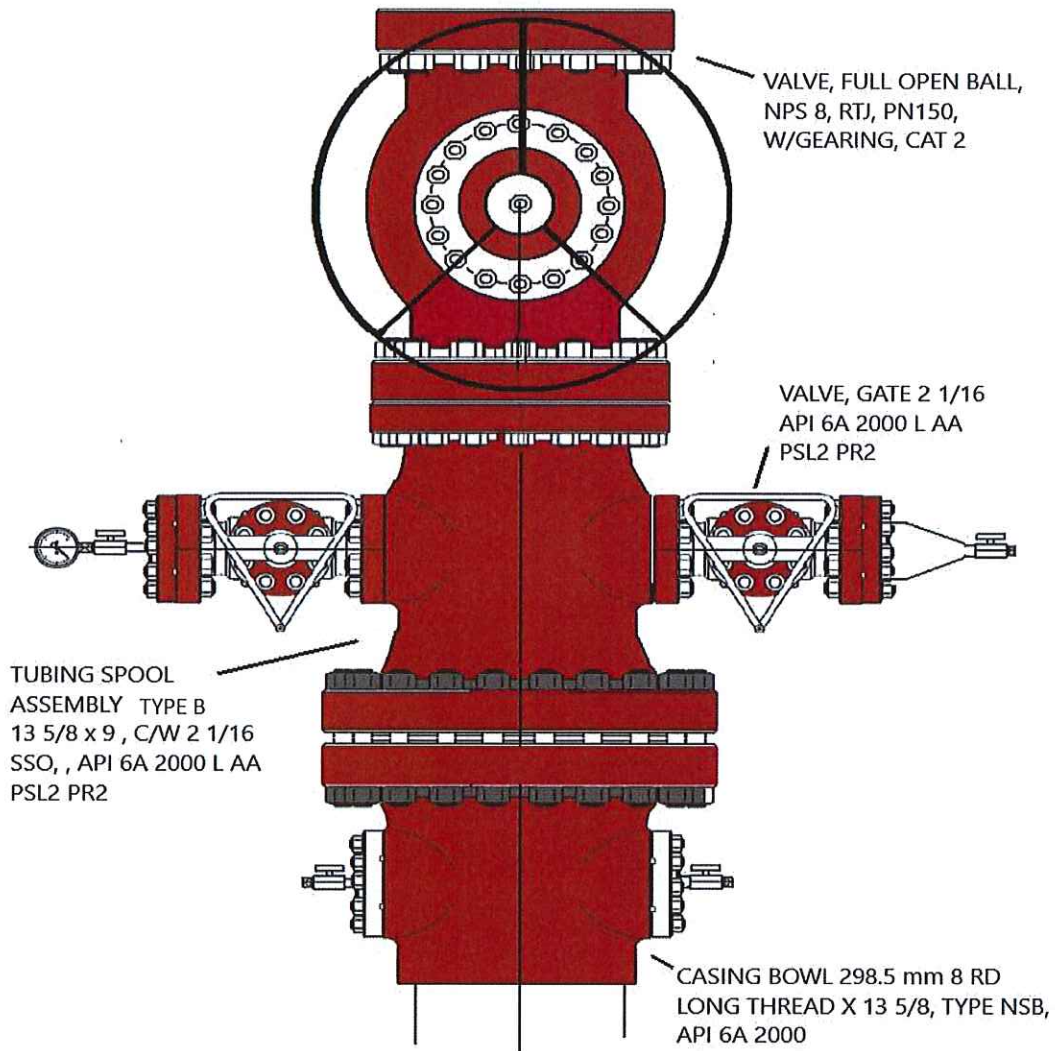
1. Drill 0.5 m of new formation.
2. Using a low volume, high pressure pump, pressure test the formation at a pressure equivalent to a gradient of 18 kPa/m for a duration of ten (10) minutes using an incompressible fluid.

PRODUCTION CASING - PRESSURE TEST

1. Pressure test wellhead and production casing to 13,790 kPa for four (4) hours.
2. Install Wellhead and Master Valve and 177.8 mm BOP. The lubricator and components shall have a minimum pressure rating of 120% of the formation pressure. Pressure test annular preventer to 1380 kPa for 10 minutes. Pressure test annular preventer to 7000 kPa for 10 minutes

WELLHEAD

TL 9H (HORIZ. #1). Moore 8-20-V



LOGGING PROGRAM

TL 9H (HORIZ. #1), Moore 8-20-V

Run #	Logging Interval	Hole Condition		Comments
		Fluid Filled	Gas Filled	
2	Production - Surface	Cement Bond Log High Res Vertilog Gamma Ray		Logs run after 48 hr WOC
3	TD-Surface	Gamma Ray Compensated Neutron Z-Density*	Gamma Ray Linear Porosity Neutron* Z-Density*	

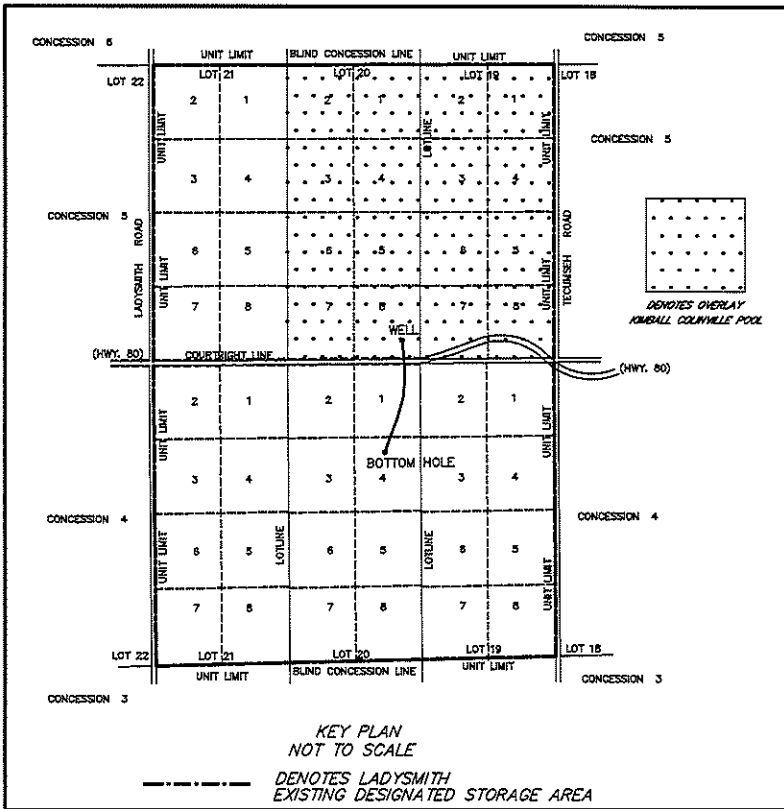
NOTE: *open hole section only

ABANDONMENT PROGRAM

TL 9H (HORIZ. #1). Moore 8-20-V

If drilling results prove unsuccessful, the well will be plugged and abandoned as follows:

- 1 Notify MNRF by fax 48 hrs prior to commencing plugging operations
- 2 Run tubing to TD and cement to surface with 25.0 m³ of 0:1:0 Class 'G' neat cement.
- 3 Pull all tubing from well.
- 4 Wait on cement overnight.
- 5 Ensure cement top is at surface.
- 6 Cut all casing strings off a minimum of 1.0 m below grade and weld on steel plate.
- 7 Restore surface location to original condition.

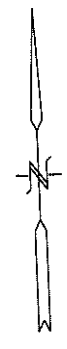
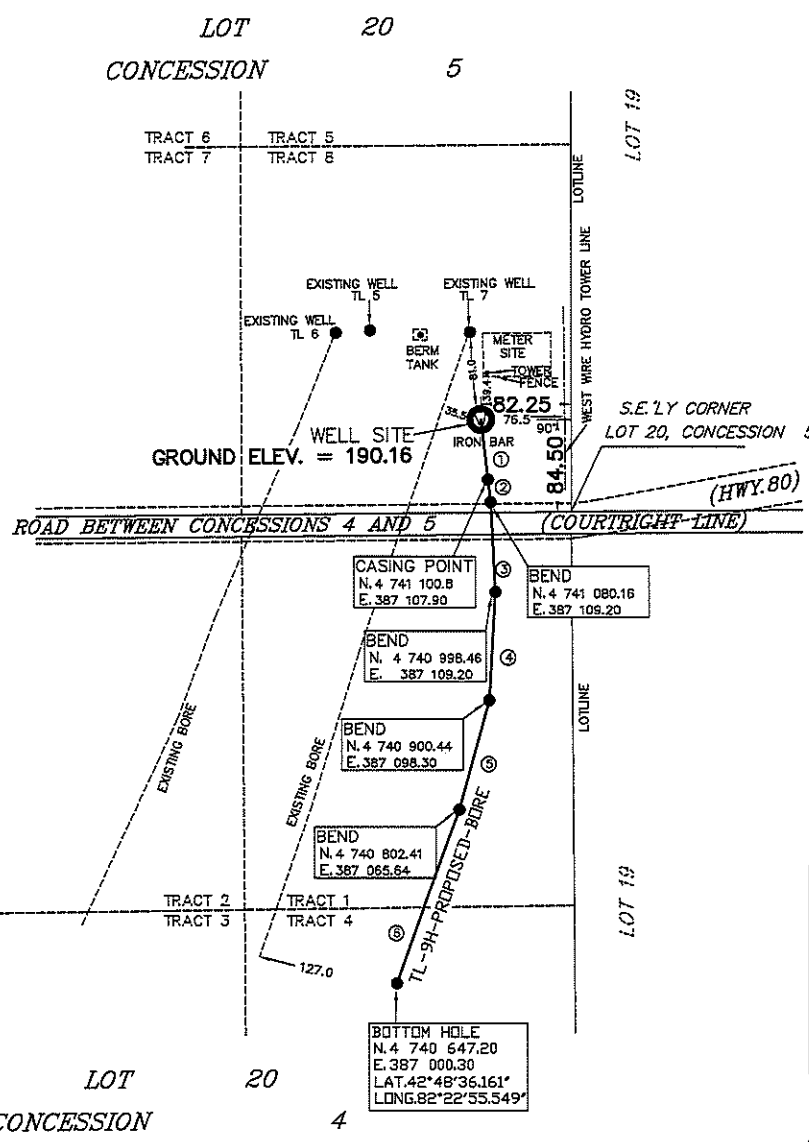


PLAN OF PROPOSED WELL
LOT 20
CONCESSION 5
 GEOGRAPHIC TOWNSHIP OF MOORE
 TOWNSHIP OF ST. CLAIR
 COUNTY OF LAMBTON

SCALE 1:5000

NOTE (WELL SITE) CO-ORDINATES
 LATITUDE N.42°48'52.713 LONGITUDE W.82°22'51.329"
 U.T.M. N. 4 741 156.20 E. 387 104.50

WELL NAME
 TL 9H- (HORIZ.NO.1) - MOORE - 8 - 20 - 5



LEGEND FOR BORES
 AZIMUTHS AND DISTANCES

TRUE NORTH AZIMUTH	DIST.
1 175°33'00"	55.5 (CASING POINT)
2 175°33'00"	20.7 (BEND)
3 179°05'40"	81.3 (BEND)
4 185°26'00"	98.6 (BEND)
5 197°52'40"	103.3 (BEND)
6 201°55'40"	168.4 (BOTTOM HOLE)

PREPARED BY
BRISCO AND O'ROURKE
 SERVING THE PETROLEUM INDUSTRY
 THROUGHOUT ONTARIO
 WELLS, CONSTRUCTION AND TECHNICAL SURVEYING
 DIGITAL MAPPING
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 CHATHAM, ONTARIO

PREPARED FOR
ENBRIDGE GAS DISTRIBUTION INC.

FILE NO. 18-5111 PLAN NO. ENB6860.DWG

T. J. O'Rourke
 DEC. 5, 2018

TIMOTHY J. O'ROURKE C.S.T. A.C.E.T.
 AUTHORIZED BY THE MINISTER OF NATURAL RESOURCES
 UNDER THE PETROLEUM RESOURCES ACT OF ONTARIO

NOTE BENCH MARK
 ELEVATIONS ARE REFERRED TO GEODETIC DATUM AND
 REFERENCE BENCH MARK BEING
 NO. 81U138 SARNIA
 ELEVATION = 180.512

NOTE GEODETIC HORIZONTAL CONTROL
 U.T.M. CO-ORDINATES ARE GEODETIC (DATUM NAD 83
 ORIGINAL) AND REFERRED TO MONUMENTS
 NO. 693749 AND 693767

NOTE METRIC
 DISTANCES SHOWN ON THIS PLAN ARE IN METERS AND
 CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

From: Petroleum Operations Records (MNRF)
To: [REDACTED]
Subject: [External] RE: 2021/2022 Storage Enhancement Project
Date: Tuesday, October 27, 2020 4:13:43 PM

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi [REDACTED]

Thank you for the updated information. We will contact you if we have any questions.

Sincerely,

Petroleum Operations Section

As part of providing [accessible customer service](#), please let me know if you have any accommodation needs or require communication supports or alternate formats.

From: [REDACTED]@enbridge.com>
Sent: October 26, 2020 4:09 PM
To: Petroleum Operations Records (MNRF) <POSRECORDS@ontario.ca>
Subject: RE: 2021/2022 Storage Enhancement Project

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good Afternoon,

Please note that the time of filing was set as mid-November of 2021, this should have read mid-November, 2020. Sorry for any confusion this may have caused.

Again, Enbridge Gas Staff would be available to meet with Ministry Staff to clarify or discuss any of the studies and/or the proposed project.

Best Regards,

[REDACTED]

[REDACTED]

[REDACTED]

ENBRIDGE GAS INC.

[REDACTED]

3501 Tecumseh Road, Mooretown, Ontario, N0N 1M0

enbridgegas.com
Safety. Integrity. Respect.

From: Petroleum Operations Records (MNRF) <POSRECORDS@ontario.ca>
Sent: Thursday, October 15, 2020 11:49 AM
To: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Subject: [External] RE: 2021/2022 Storage Enhancement Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hello [REDACTED]

This is to acknowledge your email of October 5, 2020 informing the ministry of the upcoming submissions.

We will contact you if we require any clarification.

Sincerely,

Petroleum Operations Section

As part of providing [accessible customer service](#), please let me know if you have any accommodation needs or require communication supports or alternate formats.

From: [REDACTED] <[\[REDACTED\]@enbridge.com](mailto:[REDACTED]@enbridge.com)>
Sent: October 5, 2020 2:10 PM
To: Petroleum Operations Records (MNRF) <POSRECORDS@ontario.ca>
Subject: 2021/2022 Storage Enhancement Project

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good Afternoon,

Enbridge Gas Inc. (Enbridge) will be submitting an application to the Ontario Energy Board (OEB) in mid-November of 2021. The application will include a request for a Leave to Vary to increase the maximum operating pressure at the Corunna Storage Pool, the Ladysmith Storage Pool and the Seckerton Storage Pool. The application will also include a request for a recommendation to drill from the OEB to the Ministry of Natural Resources & Forestry (MNRF) for the proposed drilling of 2 wells in the Ladysmith Storage Pool. Enbridge will also be

submitting an application to the MNRF to drill an observation well outside of the Corunna Storage Pool Designated Storage Area boundary.

In support of this application, Enbridge has completed Risk Assessments for the proposed drilling and maximum operating pressure increase. Enbridge has retained Geofirma Engineering Ltd. to conduct Engineering studies confirming the maximum safe operating pressure. Enbridge has also completed Neighbouring Assessment Studies in compliance with CSA Z341.

Enbridge will be submitting the above-noted studies to the MNRF and would be pleased to meet with MNRF staff to review the studies and the proposed OEB application.

Best Regards,

[REDACTED]

[REDACTED]

ENBRIDGE GAS INC.

[REDACTED]

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October 29, 2020

Doc. ID.: 20-214-1

EXECUTIVE SUMMARY

Title: Enbridge Delta Pressuring Project: Corunna Pool Geomechanical Modeling Report

Authors: Nicola Calder, P.Eng., Robert Walsh, P.Eng., Eric Tharumalingam

This report describes modeling studies assessing the feasibility of increasing the maximum storage pressure in the Corunna underground natural gas storage reservoir. This required an assessment of the potential for fluid propagation in the caprock, and the geomechanical response to pressure changes in the storage reservoir. To efficiently solve this problem, the modeling codes TOUGH2 and FLAC3D were combined in series. Two-phase flow models were developed in TOUGH2 and calibrated with operational data collected by Enbridge, reproducing the pool pressure history, and thereby validating our flow model. The mechanical response of the caprock to delta pressuring was modeled using FLAC3D, allowing assessment of the induced stresses in formations surrounding the reservoir.

To assess the impact of some key, but uncertain, model parameters, a probabilistic safety assessment (PSA) was undertaken. For a PSA, probability density functions (PDF) are assigned to important input parameters. The execution control software then randomly samples from these PDFs and runs hundreds of realizations of the model. This allows us to generate a probability density function of the model output of interest – in this case, the maximum percent fracture gradient. Conservatively, we have applied very broad ranges to the input parameter probability density functions – representing the broad range of values that have been measured at Enbridge's many gas storage reservoirs. This means that the resulting output PDFs of maximum percent fracture gradient (MPFG) also vary broadly. The tails of the MPFG PDF represent extreme scenarios – for example, the improbable combination of low regional stress, a relatively deformable reservoir, and unusually stiff cap rock will lead to a higher MPFG.

The current CSA criterion assumes deterministic assessments of fracture gradient. These provide only a single numerical estimate of the MPFG without quantification of uncertainty. CSA Z341.1-18 sets a threshold of 80% of the MPFG, acknowledging this unquantified uncertainty, and providing a mitigating buffer. By using geomechanical modeling and a probabilistic framework, we are able to quantify the level of uncertainty in determining MPFG, thereby making explicit the uncertainty which was implied in the original standards. The mean value returned by a probabilistic assessment provides a better representative estimate of the MPFG than the single value returned by a deterministic assessment. To be consistent with the regulatory intent, the mean value returned by PSA – rather than the maximum (or extreme value scenario) – should be compared to the 80% threshold.

For this study, we ran 250 realizations of the model at planned maximum operating pressure (PMOP) gradients of 0.7, 0.76, and 0.80 psi/ft. These realizations tested the sensitivity of model predictions to changes in mechanical properties of caprock, mechanical properties of storage formations, gas mobility in the caprock, and minimum principal stress. At 0.7 psi/ft, the average MPFG is estimated to be 68.2%, with a standard deviation of $\pm 5.0\%$. Increasing the maximum operating gradient to 0.76 psi/ft increased the average maximum fracture gradient to 76.4%, with a standard deviation of $\pm 6.6\%$. These scenarios did not result in an MPFG high enough that a real risk of caprock failure was present. A further increase to 0.80 psi/ft increases the average maximum fracture gradient to 82.1% with a standard deviation of $\pm 8.7\%$.

The 2D models used for the PSA are generally representative of the geomechanics of the system, but substantially more conservative than the 3D models, especially for higher MPFG scenarios. When we corrected the 2D PSA results to better agree with equivalent 3D models, the average MPFG at 0.76 psi/ft drops to 72.6% with a standard deviation of $\pm 4.5\%$ and the average MPFG at 0.8 psi per foot drops to 76.9% with a standard deviation of $\pm 6.7\%$.

Model scenarios were not run to assess the potential for shear failure due to increased delta pressuring, as this is expected to be a very unlikely failure mode based on previous experience.

The results showed that a maximum delta pressure of 0.76 psi/ft does not exceed 80% of the fracture gradient, in compliance with CSA Z341.1-18. With ample conservatism built into this probabilistic safety assessment model, we have determined that the planned pressure increase entails no risk of fracturing the caprock. A pressure increase to 0.8 psi/ft is not recommended without further investigation of the 3D correction factor or other uncertainties, or removal or remediation of wells which are uncased a substantial distance above the top of the reservoir. Removal or remediation of the subset of boreholes with shallower casing set depths will substantially reduce the maximum percent fracture gradient, allowing an increase in the maximum operating pressure gradient to 0.8 psi/ft. In addition, ongoing field characterization will allow us to better constrain the model inputs, and might permit an increase beyond 0.8 psi/ft without requiring work on wells.

Executive Summary

Title: Assessment of Neighbouring Activities
2021 Storage Enhancement Project – The Corunna Pool

Authors: Enbridge Gas Inc.

The “Assessment of Neighbouring Activities” report has been completed to comply with the requirements of Clause 5.2 of Standard CSA Z341.1-18 – Storage of Hydrocarbons in Underground Formations – Reservoir Storage (“CSA Z341.1-18”) in support of an increase in the delta pressure in the Corunna Pool.

Enbridge Gas Inc (Enbridge) proposes to increase pressure in the Corunna Pool. The Corunna Pool is a natural gas storage pool as well and an oil producing pool. It is protected by a Designated Storage Area (DSA) which was approved by Ontario Energy Board in 1964. The DSA is comprised of approximately 212 hectares. Enbridge is confident that the DSA adequately protects the Corunna Pool. In addition, Ontario Regulation 245/97 under the Oil, Gas and Salt Resources Act provides protection of the reservoir against the performance of any well work, within a 1.6 km of the DSA boundary, that will or is likely to fracture the storage reservoir or to result in communication between the well and the storage reservoir.

The report reviews the geology, the existing and abandoned wells within 1 kilometre of the storage zone, subsurface operations within 5 kilometres of the storage zone, and wells penetrating the storage zone.

Well drilling records from the Oil, Gas and Salt Resources Library (OGSRL) indicate that 77 wells have been drilled within 1 km of the base of gas of the Corunna Pool. Enbridge has conducted a review of these wells and is satisfied that they have not had any “impact on the integrity of the storage facility” as required by CSA Z341.1-18 Clause 5.2(a).

A review of records from the OGSRL for subsurface activities within 5 kilometres of the Corunna Pool indicates that there are 10 subsurface operations, including oil and natural gas production and natural gas and hydrocarbon storage operations. Enbridge is satisfied that there is no “impact on the integrity of the storage zone” as required by the CSA Z341.1-18 Clause 5.2(b).

Forty-two wells penetrate the Corunna storage zone. Twenty-seven of the wells are associated with oil production and storage operations and 15 of the wells are abandoned. The integrity of each well that penetrates the storage zone, including casing, cement, and abandonment records was reviewed. As part of the review, it was determined that although the abandonment of Imperial Corunna 4 did meet the Standards at the time it was plugged and the well is not currently leaking, the abandonment does not meet Enbridge Standards and as a result, the well will be re-abandoned, prior to increasing the pressure in the pool. Enbridge is satisfied that the remaining wells penetrating the Corunna Pool meet the requirements of CSA Z341.1-18 Clause 5.2(c).

In conclusion, the Corunna Pool has been safely operated as a natural gas storage pool since 1964 and is protected by an approved DSA. The technical information reviewed, indicates that there is minimal risk regarding the potential migration of natural gas between any known existing or abandoned wells within 1 km, and existing operations within 5 km, of the Corunna Pool. All active wells that penetrate the storage zone within the Corunna Pool are utilized as part of storage operations.

All the active wells are operated and maintained in accordance with CSA Z341.1-18 Storage of Hydrocarbons in Underground Formations and in accordance with the Oil, Gas and Salt Resources Act, its regulations and Provincial Operating Standards. Enbridge is satisfied that the new operating pressure will not compromise the integrity of the Corunna Pool or any associated facilities.

Executive Summary

**Title: "What if" Analysis of Hazards and Operability Issues
Delta Pressuring Project 2020 - Corunna Pool**

Author: Gordon Cowan, P.Eng., U G M Engineering Ltd.

U G M Engineering was contracted to prepare a "What if" Analysis for the Corunna Pool concerning the Delta Pressuring Project 2020. This assessment refers to the Corunna Pool facilities as a whole, in its examination of Corunna Pool natural gas storage reservoir risk. The "What if" Analysis report describes the virtual "What if" hazard assessment sessions that took place over the three day period held on August 10, 11, and 12, 2020. These Corunna Pool sessions used similar methodology to previous CSA Z341.1-18 Delta Pressuring Project qualitative risk assessments.

The sessions were attended by the "What if" Leader and nine technical experts. The preparation for the sessions, selection of the project scope systems, subsystems, session conduction, and reporting function for the "What if" analysis was performed by U G M Engineering Ltd., using PHA Pro 8.8 software for recording, organizing and reporting functions. Mr. Gordon W. Cowan, P.Eng., of U G M Engineering Ltd. (UGM), was team leader.

A total of 240 "What ifs" concerning Corunna Pool were generated from the scope of the CSA Z341.1-18, and examined in the sessions. Risk ranking was performed for each "What if," using the 7+7 Enbridge Standardized Operational Risk Matrix as a relative risk expression.

Risk, as expressed by the 7+7 matrix, is a qualitative expression made up of the session group's assignment of values for likelihood and severity (labelled "Consequence" on the matrix), which are then added together to provide a numerical expression of risk classification.

The operability, and storage aspects of the project were of primary concern for the "What if" examinations. Financial, safety, environmental, public impact, and personnel protection issues were also addressed. For all the systems examined, the group as a whole determined whether the system/question/topic had been covered in adequate depth.

It was concluded that the "What if" sessions records and risk rankings, consideration of the development location, and the review of qualitative aspects of the Corunna Pool formed a complete study of the Corunna Pool Delta Pressuring Project, within the scope of the CSA Z341.1-18 regulation. It was agreed that the sessions had examined safety, operability and technical integrity in a responsible and diligent manner.



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October 16, 2020

Doc. ID.: 20-214-1

EXECUTIVE SUMMARY

Title: Enbridge Delta Pressuring Project: Ladysmith Pool Geomechanical Modeling Report

Authors: Nicola Calder, P.Eng., Robert Walsh, P.Eng., Eric Tharumalingam

This report describes modeling studies assessing the feasibility of increasing the maximum storage pressure in the Ladysmith underground natural gas storage reservoir. This required an assessment of the potential for fluid propagation in the caprock, and the geomechanical response to pressure changes in the storage reservoir. To efficiently solve this problem, the modeling codes TOUGH2 and FLAC3D were combined in series. Two-phase flow models were developed in TOUGH2 and calibrated with operational data collected by Enbridge, reproducing the pool pressure history, and thereby validating our flow model. The mechanical response of the caprock to delta pressuring was modeled using FLAC3D, allowing assessment of the induced stresses in formations surrounding the reservoir.

To assess the impact of some key, but uncertain, model parameters, a probabilistic safety assessment (PSA) was undertaken. For the PSA, probability density functions (PDF) are assigned to important input parameters. The execution control software then randomly samples from these PDFs and runs hundreds of realizations of the model. This allowed us to generate a probability density function of the model output of interest – in our case, the maximum percent fracture gradient. Conservatively, we have applied very broad ranges to the input parameter probability density functions – representing the broad range of values that have been measured at Enbridge's many gas storage reservoirs. This means that the resulting output PDFs of maximum percent fracture gradient (MPFG) also vary broadly. The tails of the MPFG PDF represent extreme scenarios – for example, the improbable combination of low regional stress, a relatively deformable reservoir, and unusually stiff cap rock will lead to a higher MPFG.

The current CSA criterion assumes deterministic assessments of fracture gradient. These provide only a single numerical estimate of the MPFG without quantification of uncertainty. CSA Z341.1-18 sets a threshold of 80% of the MPFG, acknowledging this unquantified uncertainty, and providing a mitigating buffer. By using geomechanical modeling and a probabilistic framework, we are able to quantify the level of uncertainty in determining MPFG, thereby making explicit the uncertainty which was implied in the original standards. The mean value returned by a probabilistic assessment provides a better representative estimate of the MPFG than the single value returned by a deterministic assessment. To be consistent with the regulatory intent, the mean value returned by PSA – rather than the maximum (or extreme value scenario) – should be compared to the 80% threshold.

For the Ladysmith study we ran 250 realizations of the model each at planned maximum operating pressure (PMOP) gradient of 0.69, 0.76, and 0.80 psi/ft. These realizations tested the sensitivity of model predictions to changes in mechanical properties of caprock, mechanical properties of storage formations, gas mobility in the caprock, and minimum principal stress. At 0.69 psi/ft, the average MPFG is estimated to be 62.9%, with a standard deviation of $\pm 4.9\%$. Increasing the maximum operating gradient to 0.76 psi/ft increased the average maximum fracture gradient to 68.3%, with a standard deviation of $\pm 5.8\%$. A further increase to 0.80 psi/ft increases the average maximum fracture gradient to 70.8% with a standard deviation of $\pm 6.2\%$. These scenarios did not result in an MPFG high enough that a real risk of caprock failure was present. As compared to 3D scenarios, the 2D models used for the PSA are generally representative of the geomechanics of the system, but very conservative, especially for higher MPFG scenarios. When we corrected the 2D PSA results to better agree with equivalent 3D models, the average MPFG at 0.76 psi/ft drops to 66.6% with a standard deviation of $\pm 3.2\%$ and the average MPFG at 0.8 psi per foot drops to 69.2% with a standard deviation of $\pm 4.6\%$.

Model scenarios were not run to assess the potential for shear failure due to increased delta pressuring, as this is expected to be a very unlikely failure mode based on previous experience.

The results showed that a maximum delta pressure of 0.76 psi/ft does not exceed 80% of the fracture gradient in any of the realizations which were run, in compliance with CSA Z341.1-18. Furthermore, a pressure increase to 0.8 psi/ft would be feasible and in compliance with CSA Z341.1-18. Ongoing field characterization will allow us to better constrain the model inputs, and might permit an increase beyond 0.80 psi/ft. Despite ample conservatism built into this probabilistic safety assessment model we have determined that the planned pressure increases entail no risk of fracturing the caprock.

Executive Summary

Title: Assessment of Neighbouring Activities
2021 Storage Enhancement Project – The Ladysmith Pool

Authors: Enbridge Gas Inc.

The “Assessment of Neighbouring Activities” report has been completed to comply with the requirements of Clause 5.2 of Standard CSA Z341.1-18 – Storage of Hydrocarbons in Underground Formations – Reservoir Storage (“CSA Z341.1-18”) in support of an increase in the delta pressure and the drilling of a natural gas storage well (TL 9H) in the Ladysmith Pool.

Enbridge Gas Inc (Enbridge) proposes to increase pressure and drill a natural gas storage well in the Ladysmith Pool. The Ladysmith Pool is protected by a Designated Storage Area (DSA) which was approved by Ontario Energy Board in 1999. The DSA is comprised of approximately 366 hectares. Enbridge is confident that the DSA adequately protects the Ladysmith Pool. In addition, Ontario Regulation 245/97 under the Oil, Gas and Salt Resources Act provides protection of the reservoir against the performance of any well work, within a 1.6 km of the DSA boundary, that will or is likely to fracture the storage reservoir or to result in communication between the well and the storage reservoir.

The report reviews the geology, the existing and abandoned wells within 1 kilometre of the storage zone, subsurface operations within 5 kilometres of the storage zone, and wells penetrating the storage zone.

Well drilling records from the Oil, Gas and Salt Resources Library (OGSRL) indicate that 32 wells have been drilled within 1 km of the base of gas of the Ladysmith Pool. Enbridge has conducted a review of these wells and is satisfied that they have not had any “impact on the integrity of the storage facility” as required by CSA Z341.1-18 Clause 5.2(a).

A review of records from the OGSRL for subsurface activities within 5 kilometres of the Ladysmith Pool indicates that there are 9 subsurface operations, including oil and natural gas production and natural gas storage operations. Enbridge is satisfied that there is no “impact on the integrity of the storage zone” as required by the CSA Z341.1-18 Clause 5.2(b).

Eleven wells penetrate the Ladysmith storage zone. Four of the wells are associated with storage operations and seven of the wells are abandoned. The integrity of each well that penetrates the storage zone, including casing, cement, and abandonment records was reviewed. Enbridge is satisfied that the wells penetrating the Ladysmith Pool meet the requirements of CSA Z341.1-18 Clause 5.2(c).

In conclusion, the Ladysmith Pool has been safely operated as a natural gas storage pool since 1999 and is protected by an approved DSA. The technical information reviewed, indicates that there is minimal risk regarding the potential migration of natural gas between any known existing or abandoned wells within 1 km, and existing operations within 5 km, of the Ladysmith Pool. All active wells that penetrate the storage zone within the Ladysmith Pool are utilized as part of storage operations.

All the active wells are operated and maintained in accordance with CSA Z341.1-18 Storage of Hydrocarbons in Underground Formations and in accordance with the Oil, Gas and Salt Resources Act, its regulations and Provincial Operating Standards. Enbridge is satisfied that the new operating pressure and

the drilling of a natural gas storage well (TL 9H) will not compromise the integrity of the Ladysmith Pool or any associated facilities.

Executive Summary

**Title: "What if" Analysis of Hazards and Operability Issues
Delta Pressuring Project 2020 - Ladysmith Pool**

Author: Gordon Cowan, P.Eng., U G M Engineering Ltd.

U G M Engineering was contracted to prepare a "What if" Analysis for the Ladysmith Pool concerning the Delta Pressuring Project 2020. This assessment refers to the Ladysmith Pool facilities as a whole, in its examination of natural gas storage reservoir risk. The activities examined by "What if" Analysis for the Ladysmith Pool were covered through two separate Z31.1-18 exercises. The first were the September 25th, 2018 sessions. These sessions covered the drilling of I/W TL 9H. The second set of sessions were the virtual DP20 sessions held August 10, 11, and 12, 2020. Both the Ladysmith Pool session sets used similar methodology to previous CSA Z341.1-18 Delta Pressuring Project qualitative risk assessments.

These sessions were attended by the "What if" Leader and up to nine technical experts, the number being variable according to project set. The preparation for the sessions, selection of the project scope systems, subsystems, session conduction, and reporting function for the "What if" analysis was performed by U G M Engineering Ltd., using PHA Pro 8.8 software for recording, organizing and reporting functions. Mr. Gordon W. Cowan, P.Eng., of U G M Engineering Ltd. (UGM), was team leader.

The first 2018 drilling sessions generated a total of 250 "What ifs." The second set of delta pressuring oriented sessions generated a total of 260 "What ifs." These "What ifs" were generated from the scope of the CSA Z341.1-18 and examined in the respective sessions. Relative risk expression, in the form of risk ranking, was performed for each "What if," using the 5x5 Natural Gas Storage Reservoir Risk Matrix for the 2018 sessions, and the 7+7 Enbridge Standardized Operational Risk Matrix for the DP20 sessions.

The risk matrices provided a qualitative expression made up of the session group's assignment of values for likelihood and severity, which are then multiplied or added to provide an expression of risk.

The operability, and storage aspects of the project were of primary concern for the "What if" examinations. Financial, safety, environmental, public impact, and personnel protection issues were also addressed. For all the systems examined, the group as a whole determined whether the system/question/topic had been covered in adequate depth.

It was concluded that the "What if" sessions records and risk rankings, consideration of the development location, and the review of qualitative aspects of the Corunna Pool formed a complete study of (first) the 2018 drilling project, and (second) the 2020 Pool Delta Pressuring Project, within the scope of the CSA Z341.1-18 regulation. It was agreed that the sessions had examined safety, operability and technical integrity in a responsible and diligent manner.



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EXECUTIVE SUMMARY

Title: Enbridge Delta Pressuring Project: Seckerton Pool Geomechanical Modeling Report

Authors: Robert Walsh, P.Eng., Nicola Calder, P.Eng., Eric Tharumalingam

This report describes modeling studies assessing the feasibility of increasing the maximum storage pressure in the Seckerton underground natural gas storage reservoir. This required an assessment of the potential for fluid propagation in the caprock, and the geomechanical response to pressure changes in the storage reservoir. To efficiently solve this problem, the modeling codes TOUGH2 and FLAC3D were combined in series. Two-phase flow models were developed in TOUGH2 and calibrated with operational data collected by Enbridge, reproducing the pool pressure history, and thereby validating our flow model. The mechanical response of the caprock to delta pressuring was modeled using FLAC3D, allowing assessment of the induced stresses in formations surrounding the reservoir.

To assess the impact of some key, but uncertain, model parameters, a probabilistic safety assessment (PSA) was undertaken. For the PSA, probability density functions (PDF) are assigned to important input parameters. The execution control software then randomly samples from these PDFs and runs hundreds of realizations of the model. This allowed us to generate a probability density function of the model output of interest – in our case, the maximum percent fracture gradient. Conservatively, we have applied very broad ranges to the input parameter probability density functions – representing the broad range of values that have been measured at Enbridge's many gas storage reservoirs. This means that the resulting output PDFs of maximum percent fracture gradient (MPFG) also vary broadly. The tails of the MPFG PDF represent extreme scenarios – for example, the improbable combination of low regional stress, a relatively deformable reservoir, and unusually stiff cap rock will lead to a higher MPFG.

The current CSA criterion assumes deterministic assessments of fracture gradient. These provide only a single numerical estimate of the MPFG without quantification of uncertainty. CSA Z341.1-18 sets a threshold of 80% of the MPFG, acknowledging this unquantified uncertainty, and providing a mitigating buffer. By using geomechanical modeling and a probabilistic framework, we are able to quantify the level of uncertainty in determining MPFG, thereby making explicit the uncertainty which was implied in the original standards. The mean value returned by a probabilistic assessment provides a better representative estimate of the MPFG than the single value returned by a deterministic assessment. To be consistent with the regulatory intent, the mean value returned by PSA – rather than the maximum (or extreme value scenario) – should be compared to the 80% threshold.

For this study, we ran 250 realizations of the model each at planned maximum operating pressure (PMOP) gradient of 0.7, 0.76, and 0.80 psi/ft. These realizations tested the sensitivity of model predictions to changes in mechanical properties of caprock, mechanical properties of storage formations, gas mobility in the caprock, and minimum principal stress. At 0.7 psi/ft, the average MPFG is estimated to be 66.3%, with a standard deviation of $\pm 4.7\%$. Increasing the maximum operating gradient to 0.76 psi/ft increased the average maximum fracture gradient to 75.2%, with a standard deviation of $\pm 6.6\%$. These scenarios did not result in an MPFG high enough that a real risk of caprock failure was present. A further increase to 0.80 psi/ft increases the average maximum fracture gradient to 82.2% with a standard deviation of $\pm 8.5\%$.

The 2D models used for the PSA are generally representative of the geomechanics of the system, but are very conservative compared to equivalent 3D models, especially for higher MPFG scenarios. When we corrected the 2D PSA results to better agree with equivalent 3D models, the average MPFG at 0.76 psi/ft drops to 71.4% with a standard deviation of $\pm 3.3\%$ and the average MPFG at 0.8 psi per foot drops to 75.9% with a standard deviation of $\pm 3.7\%$.

Model scenarios were not run to assess the potential for shear failure due to increased delta pressuring, as this is expected to be a very unlikely failure mode based on previous experience.

The results showed that a maximum delta pressure of 0.76 psi/ft does not exceed 80% of the fracture gradient, in compliance with CSA Z341.1-18. Despite ample conservatism built into this probabilistic safety assessment model we have determined that the planned pressure increases entail no risk of fracturing the caprock. A pressure increase to 0.8 psi/ft is not recommended without further investigation of the 3D correction factor or other uncertainties, or removal or remediation of wells which are uncased a substantial distance above the top of the reservoir. Removal or remediation of a subset of wells which are uncased in the lower caprock will substantially reduce the maximum percent fracture gradient, allowing an increase in the maximum operating pressure gradient to 0.8 psi/ft. In addition, ongoing field characterization will allow us to better constrain the model inputs, and might permit an increase beyond 0.8 psi/ft without requiring work on wells.

Executive Summary

Title: Assessment of Neighbouring Activities
2021 Storage Enhancement Project – The Seckerton Pool

Authors: Enbridge Gas Inc.

The “Assessment of Neighbouring Activities” report has been completed to comply with the requirements of Clause 5.2 of Standard CSA Z341.1-18 – Storage of Hydrocarbons in Underground Formations – Reservoir Storage (“CSA Z341.1-18”) in support of an increase in the delta pressure in the Seckerton Pool.

Enbridge Gas Inc (Enbridge) proposes to increase pressure in the Seckerton Pool. The Seckerton Pool is a natural gas storage pool as well as an oil producing pool. It is protected by a Designated Storage Area (DSA) which was approved by Ontario Energy Board in 1964. The DSA is comprised of approximately 507 hectares. Enbridge is confident that the DSA adequately protects the Seckerton Pool. In addition, Ontario Regulation 245/97 under the Oil, Gas and Salt Resources Act provides protection of the reservoir against the performance of any well work, within a 1.6 km of the DSA boundary, that will or is likely to fracture the storage reservoir or to result in communication between the well and the storage reservoir.

The report reviews the geology, the existing and abandoned wells within 1 kilometre of the storage zone, subsurface operations within 5 kilometres of the storage zone, and wells penetrating the storage zone.

Well drilling records from the Oil, Gas and Salt Resources Library (OGSRL) indicate that 99 wells have been drilled within 1 km of the base of gas of the Seckerton Pool. Enbridge has conducted a review of these wells and is satisfied that they have not had any “impact on the integrity of the storage facility” as required by CSA Z341.1-18 Clause 5.2(a).

A review of records from the OGSRL for subsurface activities within 5 kilometres of the Seckerton Pool indicates that there are 10 subsurface operations, including oil and natural gas production and natural gas storage operations. Enbridge is satisfied that there is no “impact on the integrity of the storage zone” as required by the CSA Z341.1-18 Clause 5.2(b).

Fifty-three wells penetrate the Seckerton storage zone. Twenty-eight of the wells are associated with oil production and storage operations and 25 of the wells are abandoned. The integrity of each well that penetrates the storage zone, including casing, cement, and abandonment records was reviewed. As part of the review, it was determined that Tecumseh Seckerton 12 will be abandoned prior to increasing the pressure in the pool, due to the presence of a microannulus between the reline casing and original production casing. Enbridge is satisfied that the remaining wells penetrating the Seckerton Pool meet the requirements of CSA Z341.1-18 Clause 5.2(c).

In conclusion, the Seckerton Pool has been safely operated as a natural gas storage pool since 1964 and is protected by an approved DSA. The technical information reviewed, indicates that there is minimal risk regarding the potential migration of natural gas between any known existing or abandoned wells within 1 km, and existing operations within 5 km, of the Seckerton Pool. All active wells that penetrate the storage zone within the Seckerton Pool are utilized as part of storage operations.

All the active wells are operated and maintained in accordance with CSA Z341.1-18 Storage of Hydrocarbons in Underground Formations and in accordance with the Oil, Gas and Salt Resources Act, its regulations and Provincial Operating Standards. Enbridge is satisfied that the new operating pressure will not compromise the integrity of the Seckerton Pool or any associated facilities.

Executive Summary

**Title: "What if" Analysis of Hazards and Operability Issues
Delta Pressuring Project 2020 - Seckerton Pool**

Author: Gordon Cowan, P.Eng., U G M Engineering Ltd.

U G M Engineering was contracted to prepare a "What if" Analysis for the Seckerton Pool concerning the Delta Pressuring Project 2020. This assessment refers to the Seckerton Pool facilities as a whole, in its examination of Seckerton Pool natural gas storage reservoir risk. The "What if" Analysis report describes the virtual "What if" hazard assessment sessions that took place over the three day period held on August 10, 11, and 12, 2020. These Seckerton sessions used similar methodology to previous CSA Z341.1-18 Delta Pressuring Project qualitative risk assessments.

The sessions were attended by the "What if" Leader and nine technical experts. The preparation for the sessions, selection of the project scope systems, subsystems, session conduction, and reporting function for the "What if" analysis was performed by U G M Engineering Ltd., using PHA Pro 8.8 software for recording, organizing and reporting functions. Mr. Gordon W. Cowan, P.Eng., of U G M Engineering Ltd. (UGM), was team leader.

A total of 262 "What ifs" concerning Seckerton Pool were generated from the scope of the CSA Z341.1-18, and examined in the sessions. Risk ranking was performed for each "What if," using the 7+7 Enbridge Standardized Operational Risk Matrix as a relative risk expression.

Risk, as expressed by the 7+7 matrix, is a qualitative expression made up of the session group's assignment of values for likelihood and severity (labelled "Consequence" on the matrix), which are then added together to provide a numerical expression of risk classification.

The operability, and storage aspects of the project were of primary concern for the "What if" examinations. Financial, safety, environmental, public impact, and personnel protection issues were also addressed. For all the systems examined, the group as a whole determined whether the system/question/topic had been covered in adequate depth.

It was concluded that the "What if" sessions records and risk rankings, consideration of the development location, and the review of qualitative aspects of the Seckerton Pool formed a complete study of the Seckerton Pool Delta Pressuring Project, within the scope of the CSA Z341.1-18 regulation. It was agreed that the sessions had examined safety, operability and technical integrity in a responsible and diligent manner.