



October 22, 2014

[REDACTED]  
3595 Tecumseh  
Mooretown, Ontario N0N 1M0

Dear [REDACTED]

**Re: Pembina NGL Corporation  
Scheme Approval Application**

Pembina NGL Corporation ("Pembina") is proposing an expansion scheme of the existing hydrocarbon storage facility located in Moore Township, Lambton County. Pembina would be drilling a well in the prescribed area where Cavern 45 is located. Work would include plugging the existing entry and drilling two new entries into the existing Cavern 45.

Pembina respectfully requests consent of the above-mentioned work by October 31, 2014.

Being a good neighbour starts with understanding the impact of our operations on local communities. Pembina is committed to full disclosure of its planned projects so landowners, occupants, crown disposition holders, local and urban authorities, Aboriginal communities and other groups or individuals with interests in the area are informed of the activities proposed. We are writing to you because you fall within the notification criteria of our proposed project.

If you have any questions or concerns about the information, please contact me at your earliest convenience at (519) 862-6785 or [ralwood@pembina.com](mailto:ralwood@pembina.com).

Regards,

Randall Alwood  
District Manager, Corunna

Pembina NGL Corporation  
3800, 525 – 8<sup>th</sup> Avenue S.W., Calgary, Alberta Canada T2P 1G1  
Telephone: (403) 231-7500 Fax: (403) 237-0254



October 27, 2014

Pembina NGL Corporation  
Corunna Station  
4391 Hwy 40  
Corunna, Ontario  
N0N 1G0

Attention: Randall Alwood, District Manager, Corunna

Enbridge Gas Distribution Inc. has no objection to the drilling of two wells into Cavern 45 and the plugging of the existing well in Cavern 45, provided that the drilling and abandonment operations comply with the most current CSA Z341 Standard – Storage of hydrocarbons in underground formations.

If you have any questions or concerns, please do not hesitate to please contact me at 519-862-6032.

Yours truly,

[Redacted signature block containing multiple lines of blacked-out text]

February 3, 2015

**ORIGINAL DELIVERED BY HAND**

[REDACTED]  
3595 Tecumseh  
Mooretown, Ontario N0N 1M0

Attention: [REDACTED]  
[REDACTED]

Dear [REDACTED]

**Re: Pembina Infrastructure and Logistics LP ("Pembina")  
Corunna Storage Terminal  
Approval to Store Hydrocarbons in Salt Solution Mined Caverns**

Pembina has a dedicated history of stakeholder engagement regarding its Corunna Facility, which was created by and continues to be maintained through direct interactions with its neighbors and area stakeholders. As part of our ongoing commitment to stakeholder engagement, Pembina wishes to share information regarding its upcoming cavern development projects.

On January 23, 2015, Pembina applied to the Ontario Ministry of Natural Resources and Forestry ("MNR") for approval to:

- Convert Cavern 45 in 2015 by abandoning the current entry well and drilling two new entry wells; and
- Expand Pembina's current storage capacity in existing Salt Solution Mined Caverns, by converting 10 currently unused assets to hydrocarbon storage within the next fifteen years.

Although Pembina previously received a letter of non-objection from Enbridge Gas Distribution Inc. ("Enbridge") dated October 27, 2014, in respect of the drilling of two new entry wells into Cavern 45, Pembina is providing this notification package to inform you of the filing of its application concerning a wider expansion with the MNR.

In order to confirm Enbridge has no additional concerns with Pembina's application, Pembina respectfully requests your consent to the above-mentioned work at your earliest convenience or otherwise no later than February 11, 2015.



Should you have any questions or concerns about these proposed applications, please do not hesitate to contact the undersigned at (519) 862-6785 or email [ralwood@pembina.com](mailto:ralwood@pembina.com).

Sincerely,

Randall Alwood  
District Manager, Corunna Storage Terminal

Enclosure



File #:

## Project Specific Information Package Corunna Storage Terminal – Approval to Store Hydrocarbons in Salt Solution Mined Caverns

Pembina Infrastructure and Logistics LP ("Pembina"), by its wholly-owned subsidiary and general partner 1195714 Alberta Ltd., plans to make application to the Ontario Ministry of Natural Resources and Forestry ("MNR") for:

- Conversion of Cavern 45 in 2015 by abandoning the current entry well and drilling two new entry wells; and
- Expansion of Pembina's current storage capacity in existing Salt Solution Mined Caverns, by converting 10 currently unused Salt Solution Mined Caverns to hydrocarbon storage within the next fifteen years.

The *Oil, Gas and Salt Resources Act, R.S.O. 1990, c P.12* requires parties whose rights may be directly and/or adversely affected by the nature and extent of proposed projects to be consulted and/or notified of project specific details.

### Project Description

Pembina is committed to full disclosure of its planned projects so that landowners, occupants, Crown disposition holders, local and urban authorities, Aboriginal communities and other groups or individuals with interests in the area are informed of the activities being proposed. The following table summarizes Pembina's plans regarding the above noted project (the "Project").

If you require any additional information or would like to talk with a Pembina representative regarding this project, please do not hesitate to call the contact listed at the end of this handout.

<b>Location</b>	The Corunna Storage Terminal is located in Concession XI and XII, Lot 23 and 24, St. Clair Township – County of Lambton. A map showing the project location is attached.
<b>Project Description</b>	Cavern 45 will be a single cavern with two entry wells (Wells BR-45 and HC-45). One well will be used for injecting and removing brine while the other well will be used for injecting and removing hydrocarbons. The installation of two wells into a cavern provides for greater efficiencies in flow, pump horsepower and operation.  Upon completion of drilling Wells BR-45 and HC-45, Cavern 45 is proposed to store hydrocarbons as per CSA Z341.2: Storage of Hydrocarbons in Underground Formations.  Pending regulatory approval, Wells BR-45 and HC-45 will be drilled into the B2 salt formation. Surface casing will be run and cemented on the circumference of Wells BR-45 and HC-45 to protect groundwater aquifers. Wells BR-45 and HC-45 will both be drilled to approximately 600 mKB with the production casing cemented from 600 mKB to surface to isolate all formations.

## Cavern 45

<b>Project Need</b>	This application is in response to a new business development and compliments Pembina's overall business model for the extraction, fractionation, storage, transportation and marketing of liquefied petroleum gases ("LPGs"), which in addition to being used as feedstock for refineries and petrochemical facilities in Ontario and surrounding regions, LPGs are also used by the general public throughout North America for home heating and cooking. It is therefore expected that the Project would positively impact Ontario's economy through such direct and indirect benefits. The intention of the Project is to fully utilize unused cavern space over the next 15 years to the mutual benefit of Pembina's stakeholders and the general public.
<b>Substance Type</b>	It is proposed that Cavern 45 will be utilized to store propane.
<b>Project Schedule and Duration</b>	Pending regulatory approval, drilling of Wells BR-45 and HC-45 is to occur in April, 2015 and will last approximately 20 days per well. Pembina anticipates Cavern 45 becoming operational in late 2015.
<b>Traffic</b>	As with any construction project, Pembina expects some construction noise associated with drilling Wells BR-45 and HC-45 as well as increased traffic in the area during construction of Cavern 45 due to the movement of equipment and construction personnel to and from the construction sites. The increase in traffic will be minimal and temporary.
<b>Noise</b>	If there are concerns regarding excessive noise during construction they should be reported to one of the contacts listed at the end of this information package.
<b>Setbacks</b>	As with all facilities, there are minimum setback distances required between an energy facility and a dwelling, public facility, rural housing project or urban centre. Setbacks prevent populated areas from developing too close to energy facilities and prevent energy facilities from getting too close to people.  Wells BR-45 and HC-45 will be drilled within Pembina property boundaries and will not impact or create any setbacks on adjacent lands.
<b>Odours/Emissions</b>	Pembina does not expect any odours from drilling activities associated with the Project. Possible intermittent emissions may originate during drilling from diesel electric power generation, heavy duty diesel vehicles and normal light duty gasoline vehicles. We ask that any unusual odours be reported immediately to our local operations representative or our 24-hour emergency number, 1-519-862-3561. We will promptly investigate and ensure any problems are corrected.
<b>Continuous Venting/Flaring</b>	There will be no continuous permanent flaring associated with Cavern 45. Temporary flaring will only occur as part of routine maintenance operations, or infrequently as a safety measure during an unexpected event.



## Cavern 45

<b>Emergency Response Plan</b>	<p>Pembina is committed to protecting the health and safety of the public as well as of its employees and contractors. Operations will be conducted in strict accordance with good oilfield practices and in compliance with all applicable technical and safety standards and regulations. Pembina personnel are trained to recognize hazards and deal with emergency situations, so that any abnormal situation that might arise can be quickly detected and corrected.</p> <p>Pembina currently has an Emergency Response Plan (“ERP”) in place for its Corunna Terminal. A hazard area will be modeled for the new cavern, and this information will be added to the existing ERP. Area stakeholders will be advised of emergency response procedures and public protection measures.</p>
<b>Safety / Environment</b>	<p>Pembina is committed to safety and environmental stewardship throughout the life of this Project and all our projects. We have a strong reputation for constructing and operating facilities designed to meet or exceed MNR safety and environmental protection guidelines and regulations. Pembina commits to continue to meet or exceed these guidelines and regulations as they relate to this Project.</p> <p>Pembina encourages a workplace that places a high priority on the health and safety of employees, contractors and the public at large, and ensures our facilities meet the highest standards.</p>

### Additional Information

Thank you for taking the time to read this handout. If you have questions or concerns, please do not hesitate to contact the Pembina representative listed in the Contacts section below.

You are encouraged to contact Pembina or the MNR directly through their website or by telephone to obtain additional information pertaining to oil and gas operations.

#### MNR ONTARIO MAIN OFFICE

Ministry of Natural Resources and Forestry

659 Exeter Road

London, Ontario N6E 1L3

Toll Free Phone: 1-800-667-1940

Website: <https://www.ontario.ca/ministry-natural-resources-forestry>

### Contacts

If you have questions or concerns, please do not hesitate to call the Pembina representative listed below. If you are calling outside of business hours, please leave a message and a representative will return your call on the next business day. **If this is an emergency please contact the Pembina 24 Hour Emergency Number at 1-519-862-3561.** Please note this number is for emergencies only.

Surface Landman, Peter Miles directly at (403) 231-3157

**Pembina 24 Hour Emergency Number: 1-519-862-3561**







February 3, 2015

Pembina NGL Corporation  
Corunna Station  
4391 Hwy 40  
Corunna, Ontario  
N0N 1G0

Attention: Randall Alwood, District Manager, Corunna

**Re: Approval to Store Hydrocarbons in Salt Solution Mined Caverns  
Corunna Storage Terminal**

Dear Mr. Alwood

Enbridge Gas Distribution Inc. (EGD) has no objection to the conversion of Cavern 45 as described in your letter of February 3, 2015, provided that the activities comply with the most current CSA Z341 Standard – Storage of hydrocarbons in underground formations. EGD appreciates Pembina's notification of their future plans to convert 10 other caverns in the future and would ask that EGD be given the opportunity to review and comment on each proposal prior to the work being initiated.

If you have any questions or concerns, please do not hesitate to contact me at 519-862-6032.

Yours truly,

A large black rectangular redaction box covers the signature and name of the sender. A thin yellow horizontal line extends from the right side of the redaction box across the page.

## Melissa Lundy

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**From:** Melissa Lundy  
**Sent:** Tuesday, February 17, 2015 10:50 AM  
**To:** [REDACTED]  
**Cc:** Randall Alwood; Ron Franklin; Shawn Holman  
**Subject:** Letter of Non-Objection Follow-up

**Importance:** High

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

[REDACTED]

Thank you for taking the time today to touch base regarding Pembina NGL Corporation's ("Pembina") Application to Store Hydrocarbons in Salt Solution Mined Caverns at the Corunna Storage Terminal. Further to your second letter of non-objection, we discussed that it was not Enbridge Gas Distribution Inc's ("EGD") intention to potentially cause administrative or regulatory burden when you stated EGD wanted the "opportunity to review and comment on each proposal prior to work being initiated".

Accordingly, this e-mail is to confirm that your intention behind this sentence was to confirm EGD's request to stay informed regarding work at the Corunna Facility and, more specifically, work relating to the proposed cavern expansion scheme. As you mentioned today, EGD does not have any concerns with Cavern 45 or the overall scheme application and EGD simply wants to be kept informed of our projects, which Pembina has committed to doing with you. As discussed today, EGD will work directly with Pembina to mitigate any potential concerns that may arise. This process will occur internally with both Pembina and EGD.

Pembina has a dedicated history of stakeholder engagement regarding its Corunna Facility, which was created by and continues to be maintained through direct interactions with its neighbors and area stakeholders. We look forward to continually work with you in the future.

Please contact us if you have any further questions or concerns.

Kind Regards,  
Melissa

**Melissa Lundy** - Advisor, Regulatory Affairs  
Pembina Pipeline Corporation | 4000, 585 8th Avenue S.W. Calgary, AB T2P 1G1  
Tel: (403) 231-3153 | Cell: (403) 818-0123 | Fax: (403) 231-7507 | [mlundy@pembina.com](mailto:mlundy@pembina.com)



## Melissa Lundy

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**From:** Melissa Lundy  
**Sent:** Tuesday, February 17, 2015 11:05 AM  
**To:** 'Manocha, Jug (MNRF)'; 'Zora Crnojacki'  
**Cc:** [REDACTED] Randall Alwood; Ron Franklin; Shawn Holman  
**Subject:** FW: Letter of Non-Objection Follow-up

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hello Jug and Zora,

Please find attached the clarification regarding Enbridge Gas Distribution Inc's ("EGD") second letter of non-objection.

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

Thanks,

**Melissa Lundy** - Advisor, Regulatory Affairs  
**Pembina Pipeline Corporation** | 4000, 585 8th Avenue S.W. Calgary, AB T2P 1G1  
Tel: (403) 231-3153 | Cell: (403) 818-0123 | Fax: (403) 231-7507 | [mlundy@pembina.com](mailto:mlundy@pembina.com)

---

**From:** [REDACTED]  
**Sent:** Tuesday, February 17, 2015 10:57 AM  
**To:** Melissa Lundy  
**Subject:** RE: Letter of Non-Objection Follow-up

Hello Melissa,

Your email describes my intentions – Enbridge was just requesting to be kept informed. Pembina and Enbridge have a good working relationship and Pembina has been very forthcoming concerning its intentions. Sorry for the confusion.

Yours truly,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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**From:** Melissa Lundy [<mailto:MLundy@pembina.com>]  
**Sent:** Tuesday, February 17, 2015 12:50 PM  
**To:** [REDACTED]  
**Cc:** Randall Alwood; Ron Franklin; Shawn Holman  
**Subject:** Letter of Non-Objection Follow-up  
**Importance:** High

[REDACTED]

Thank you for taking the time today to touch base regarding Pembina NGL Corporation's ("Pembina") Application to Store Hydrocarbons in Salt Solution Mined Caverns at the Corunna Storage Terminal. Further to your second letter of non-objection, we discussed that it was not Enbridge Gas Distribution Inc's ("EGD") intention to potentially cause administrative or regulatory burden when you stated EGD wanted the "opportunity to review and comment on each proposal prior to work being initiated".

Accordingly, this e-mail is to confirm that your intention behind this sentence was to confirm EGD's request to stay informed regarding work at the Corunna Facility and, more specifically, work relating to the proposed cavern expansion scheme. As you mentioned today, EGD does not have any concerns with Cavern 45 or the overall scheme application and EGD simply wants to be kept informed of our projects, which Pembina has committed to doing with you. As discussed today, EGD will work directly with Pembina to mitigate any potential concerns that may arise. This process will occur internally with both Pembina and EGD.

Pembina has a dedicated history of stakeholder engagement regarding its Corunna Facility, which was created by and continues to be maintained through direct interactions with its neighbors and area stakeholders. We look forward to continually work with you in the future.

Please contact us if you have any further questions or concerns.

Kind Regards,  
Melissa

**Melissa Lundy** - Advisor, Regulatory Affairs

**Pembina Pipeline Corporation** | 4000, 585 8th Avenue S.W. Calgary, AB T2P 1G1

Tel: (403) 231-3153 | Cell: (403) 818-0123 | Fax: (403) 231-7507 | [mlundy@pembina.com](mailto:mlundy@pembina.com)



This electronic message and any attached documents are intended only for the named addressee(s). This communication from Pembina Pipeline Corporation and/or its subsidiaries may contain information that is privileged, confidential or otherwise protected from disclosure and must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message. Thank you.

March 12, 2015

**DELIVERED BY REGISTERED MAIL**

[REDACTED]  
[REDACTED]  
1086 Modeland Rd., Bldg. 1050, 1st Floor,  
Sarnia ON N7S 6L2

Attention: [REDACTED]

Dear: [REDACTED]

**Re: Pembina Infrastructure and Logistics LP ("Pembina")  
Corunna Storage Terminal  
Application to Store Hydrocarbons in Salt Solution Mined Caverns**

Pembina has a dedicated history of stakeholder engagement regarding its Corunna Facility, which was created by and continues to be maintained through direct interactions with its neighbors and area stakeholders. As part of our ongoing commitment to stakeholder engagement, Pembina wishes to share information regarding its upcoming cavern development projects.

Please find enclosed the following:

- Project Specific Information Package;
- Ontario Energy Board Notice;
- The Location Map; and
- An electronic copy of Pembina's Application, evidence and any amendments ("Application") thereto, submitted to the Ontario Ministry of Natural Resources and Forestry and the Ontario Energy Board. If you would like a hard copy of Pembina's Application, please notify us and one will be provided.

Should you have any questions or concerns about these proposed applications, please do not hesitate to contact the undersigned at (403) 231-3157 or email at [pmiles@pembina.com](mailto:pmiles@pembina.com).

Sincerely,

Peter Miles  
Supervisor, Land (Operations & Integrity)

Enclosure