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June 11, 2008

VIA COURIER

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
2300 Yonge Street, Suite 2700
Toronto, ON M4P 1E4

**Re: Enbridge Gas Distribution Inc. ("Enbridge")
EB-2007-0745 Alfred and Plantagenet Leave to Construct Application
Updated Evidence and Interrogatory Responses**

In accordance with the Board Procedural Order No. 1 issued on May 30th, 2008, enclosed please find the responses of Enbridge to the Board Staff Interrogatories.

If you have any questions, please contact the undersigned.

Yours truly,

A handwritten signature in blue ink that reads 'Bonnie Jean Adams'.

Bonnie Jean Adams
Regulatory Coordinator

CC: Z. Crnojacki, Ontario Energy Board
S. Stoll, Aird & Berlis



BOARD STAFF INTERROGATORY #1

INTERROGATORY

Ref: Exhibit A, Application, Tab 2, Map

- a) Please provide a map showing all Enbridge's high pressure pipelines within in a radius of 50 km of the proposed Alfred and Plantagenet pipeline and showing their Maximum Allowable Operating Pressures.
- b) Please describe any facilities (length, diameter, location) upstream of the proposed pipeline that will become necessary to deliver the increased gas volumes that the proposed pipeline will carry to new customers.
- c) Please show any practical alternative connecting point to an existing Enbridge or TransCanada pipeline system that could serve as the source point for the gas supply to the Alfred Plantagenet area, whether this alternative was considered and if so, rejected.

RESPONSE

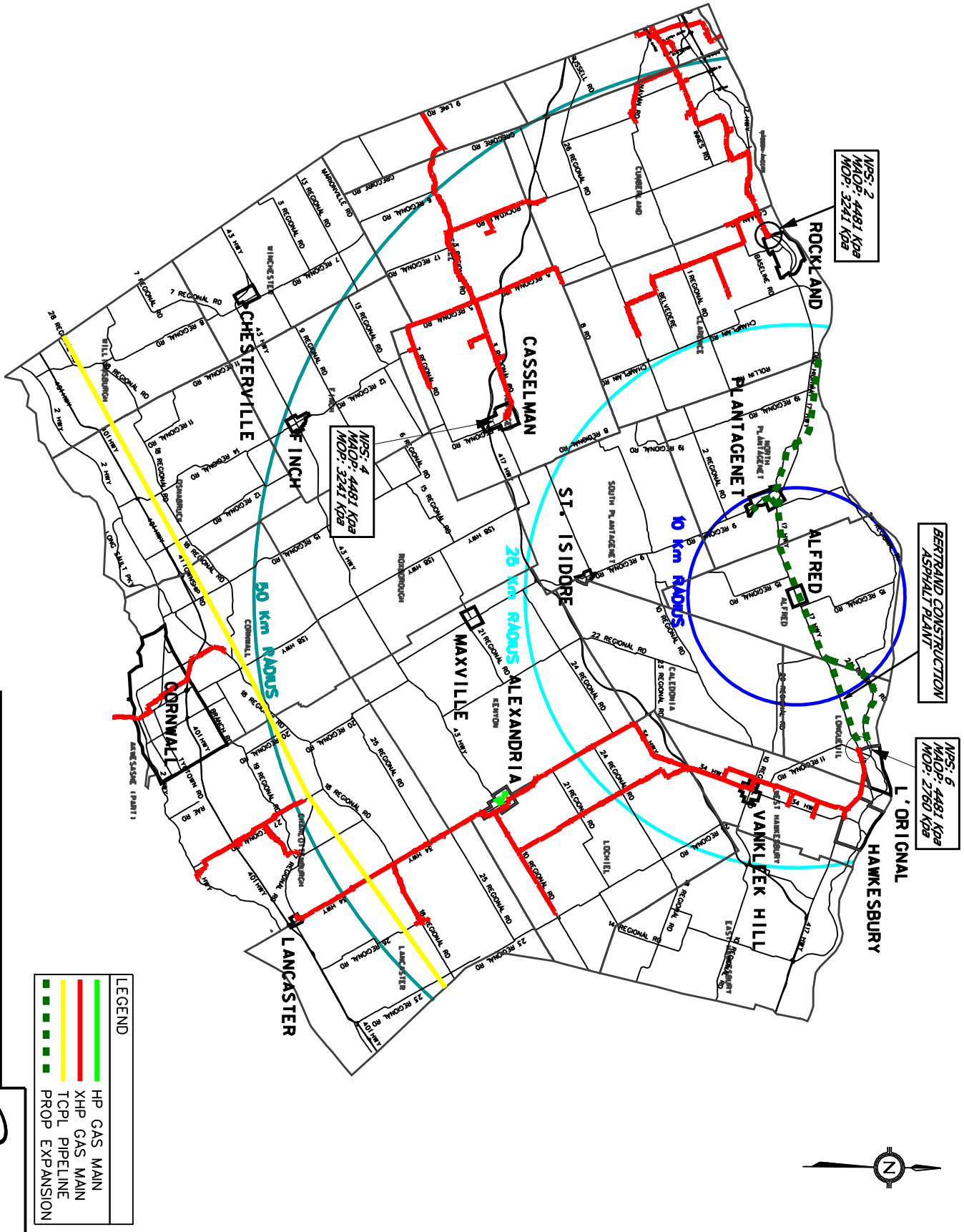
- a) Map – Please see attached
- b) Using ten-year projections, no upstream facilities will be required to deliver increased gas volumes that the proposed pipeline will carry to new customers.
- c) There are no practical alternative Enbridge or TransCanada pipeline system that could serve as a source point to this project for the following reasons:
 - 1) XHP steel ends at the district station on the west side of the Town of Rockland, but as shown on the map, it is only NPS 2 XHP and is insufficient to meet required pressures to Bertrand Concrete/Construction.

In order to tie into it, XHP main must run through the centre of the Town of Rockland.

Other XHP mains shown on the map south of the Town of Rockland will require extensive construction costs and larger pipe sizing with limited customer capture making the project would not be feasible.
 - 2) The XHP line located in the Town of Casselman terminates on the north/west side of the town. In order to tie into this line, XHP steel would have to run through the town, increasing distance, steel pipe size and cost causing the project would not be feasible.

Witness: Ian Taylor

- 3) The nearest possible TCPL pipeline is located significantly farther from the required distribution area than either Enbridge alternative.



BERTRAND CONSTRUCTION
ASPHALT PLANT

NPS-6
MAOP: 4481 KPa
MOP: 2760 KPa

NPS-2
MAOP: 4481 KPa
MOP: 3241 KPa

NPS-4
MAOP: 4481 KPa
MOP: 3241 KPa

LEGEND

- HP GAS MAIN
- XHP GAS MAIN
- TCPL PIPELINE
- PROP. EXPANSION

SCALE:
N.T.S.

OEB INTERROGATORY #1 - 50 Km RADIUS MAP
FROM THE VILLAGE OF ALFRED

PROJECT NAME: ALFRED PLANTAGENET
& WENDOVER EXPANSION



BOARD STAFF INTERROGATORY #2

INTERROGATORY

Ref: Exhibit A, Application, Tab 2, Paragraph 3

a) Please provide a Table showing, for each of the next ten years, the anticipated number of residential, commercial and industrial customer additions and the respective gas volumes that are envisioned for each of those years, that underpins the forecast of gas distribution revenue projections shown in the table of Exhibit D, Tab 2, Schedule 1, Page 5, Line 12.

RESPONSE

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Customer Additions											
Residential/Sub											
Existing Single Family Homes	235	422	155	138	121	104	69	35	17	17	0
New Construction Singles	30	37	187	149	143	96	96	66	64	5	0
New Construction Townhomes	25	10	10	0	0	0	0	0	0	0	0
Total Residential	290	469	352	287	264	200	165	101	81	22	0
Commercial/Ind/Apt											
Elementary Schools	0	3	1	0	0	0	0	0	0	0	0
High School	1	0	0	0	0	0	0	0	0	0	0
College	0	1	0	0	0	0	0	0	0	0	0
Small Commercial	29	24	15	15	16	9	8	7	7	7	0
Asphalt Plant	1	0	0	0	0	0	0	0	0	0	0
Concrete Plant	0	0	1	0	0	0	0	0	0	0	0
Total Commercial	31	28	17	15	16	9	8	7	7	7	0
TOTAL CUSTOMER ADDITIONS	321	497	369	302	280	209	173	108	88	29	0
First year effectivity	50%										
Cumulative Customers - year end											
Residential/Sub											
Existing Single Family Homes	235	657	812	950	1071	1175	1244	1279	1296	1313	1313
New Construction Singles	30	67	254	403	546	642	738	804	868	873	873
New Construction Townhomes	25	35	45	45	45	45	45	45	45	45	45
Total Residential	290	759	1111	1398	1662	1862	2027	2128	2209	2231	2231
Commercial/Ind											
Elementary Schools	0	3	4	4	4	4	4	4	4	4	4
High School	1	1.0	1	1	1	1	1	1	1	1	1
College	0	1	1	1	1	1	1	1	1	1	1
Small Commercial	29	53	68	83	99	108	116	123	130	137	137
Asphalt Plant	1	1	1	1	1	1	1	1	1	1	1
Concrete Plant	0	0	1	1	1	1	1	1	1	1	1
Total Commercial	31	59	76	91	107	116	124	131	138	145	145
Total cumulative customers - year end	321	818	1187	1489	1769	1978	2151	2259	2347	2376	2376

Witnesses: Gordana Arsic
Dan Chenier

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cumulative Customers - with effectivity											
Residential/Sub											
Existing Single Family Homes	118	446	735	881	1011	1123	1210	1262	1288	1305	1313
New Construction Singles	15	49	161	329	475	594	690	771	836	871	873
New Construction Townhomes	13	30	40	45	45	45	45	45	45	45	45
Total Residential	145	525	935	1255	1530	1762	1945	2078	2169	2220	2231
Commercial/Ind											
Elementary Schools	0	1.5	3.5	4	4	4	4	4	4	4	4
High School	0.5	1	1	1	1	1	1	1	1	1	1
College	0	0.5	1	1	1	1	1	1	1	1	1
Small Commercial	14.5	41	60.5	75.5	91	103.5	112	119.5	126.5	133.5	137
Asphalt Plant	0.5	1	1	1	1	1	1	1	1	1	1
Concrete Plant	0	0	0.5	1	1	1	1	1	1	1	1
Total Commercial	15.5	45	67.5	83.5	99	111.5	120	127.5	134.5	141.5	145
Total cumulative customers - with effectivity	161	570	1003	1338	1629	1874	2065	2205	2303	2362	2376
Average Annual Volume											
Residential											
Existing Single Family Homes	10 ³ m ³	2.650	2.650	2.650	2.650	2.650	2.650	2.650	2.650	2.650	2.650
New Construction Singles	10 ³ m ³	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950	2.950
New Construction Townhomes	10 ³ m ³	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
Commercial											
Elementary Schools	10 ³ m ³	28.000	28.000	28.000	28.000	28.000	28.000	28.000	28.000	28.000	28.000
High School	10 ³ m ³	87.000	87.000	87.000	87.000	87.000	87.000	87.000	87.000	87.000	87.000
College	10 ³ m ³	162.000	162.000	162.000	162.000	162.000	162.000	162.000	162.000	162.000	162.000
Small Commercial	10 ³ m ³	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Asphalt Plant	10 ³ m ³	222.000	222.000	222.000	222.000	222.000	222.000	222.000	222.000	222.000	222.000
Concrete Plant	10 ³ m ³	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000	72.000
Gas Distribution Rates											
Residential											
Existing Single Family Homes	\$/10 ³ m ³	189.625	189.63	189.625	189.625	189.625	189.625	189.625	189.625	189.625	189.625
New Construction Singles	\$/10 ³ m ³	183.760	183.76	183.760	183.760	183.760	183.760	183.760	183.760	183.760	183.760
New Construction Townhomes	\$/10 ³ m ⁴	201.390	201.39	201.390	201.390	201.390	201.390	201.390	201.390	201.390	201.390
Commercial											
Elementary Schools	\$/10 ³ m ³	122.516	122.52	122.516	122.516	122.516	122.516	122.516	122.516	122.516	122.516
High School	\$/10 ³ m ³	103.605	103.60	103.605	103.605	103.605	103.605	103.605	103.605	103.605	103.605
College	\$/10 ³ m ³	96.542	96.54	96.542	96.542	96.542	96.542	96.542	96.542	96.542	96.542
Small Commercial	\$/10 ³ m ³	152.911	152.91	152.911	152.911	152.911	152.911	152.911	152.911	152.911	152.911
Asphalt Plant	\$/10 ³ m ³	93.903	93.90	93.903	93.903	93.903	93.903	93.903	93.903	93.903	93.903
Concrete Plant	\$/10 ³ m ⁴	106.201	106.201	106.201	106.201	106.201	106.201	106.201	106.201	106.201	106.201
Total Revenues (\$)											
Residential											
Existing Single Family Homes		59,045	224,118	369,092	442,709	507,784	564,316	607,783	633,913	646,978	659,792
New Construction Singles		8,131	26,291	87,006	178,077	257,222	322,002	374,043	417,953	453,189	473,246
New Construction Townhomes		5,538	13,292	17,722	19,938	19,938	19,938	19,938	19,938	19,938	19,938
Total Residential		72,714	263,701	473,820	640,724	784,944	906,256	1,001,763	1,071,803	1,120,104	1,152,976
Commercial											
Elementary Schools		-	5,146	12,007	13,722	13,722	13,722	13,722	13,722	13,722	13,722
High School		4,507	9,014	9,014	9,014	9,014	9,014	9,014	9,014	9,014	9,014
College		-	7,820	15,640	15,640	15,640	15,640	15,640	15,640	15,640	15,640
Small Commercial		22,172	62,694	92,511	115,448	139,149	158,263	171,261	182,729	193,433	204,137
Asphalt Plant		10,423	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847	20,847
Concrete Plant		-	-	3,823	7,646	7,646	7,646	7,646	7,646	7,646	7,646
Total Commercial		37,102	105,519	153,841	182,316	206,018	225,132	238,129	249,597	260,301	276,357
Total Revenues		109,816	369,221	627,661	823,040	990,961	1,131,387	1,239,892	1,321,401	1,380,406	1,429,333

Total Revenue = Cumulative customers with efectivity x Average Annual Volume x Gas Distribution Rate

Witnesses: Gordana Arsic
Dan Chenier

BOARD STAFF INTERROGATORY #3

INTERROGATORY

Ref: Exhibit A, Application, Tab 2, Paragraph 4

- a) Why does the NPS 6 HP Steel pipe, 2.6 km upstream of the proposed regulator station reduce in diameter from NPS 6 to NPS 4? From a practical operational viewpoint, would pigging for example not be more convenient if that last 2.6 km also be a continuation of the NPS 6 steel pipe?
- b) What is the capital cost increase that would be necessary to make this 2.6 km an NPS 6 steel pipe rather than an NPS 4 pipe?
- c) If so substituted, what is the quantitative effect on the PI and NPV?

RESPONSE

- a) Sufficient pressure to supply the short and long term needs of the regulator station is achieved using NPS 4 steel pipe, but Bertrand being a significant load located near the start of the line, NPS 6 steel pipe is necessary to provide minimum pressure requirements.

As the construction is scheduled to ensure that a major customer (Bertrand Construction) on the NPS 6 Steel line is to be operational immediately, the NPS 6 will be pigged, tested and put into service prior to the completion of the remainder of the line allowing for the NPS 4 to be pigged and tested separately.

The proposed pipeline will not require regular integrity pigging as it will operate well below the minimum SMYS specified at 30 percent.

- b) The capital cost increase required to change the 2.6 km of NPS 4 to NPS 6 is \$73,673.
- c) If the NPS 4 XHP steel is substituted with NPS 6 XHP steel the quantitative effect is as follows:
 - PI will drop to 0.994 and
 - NPV is negative \$39,684

Witnesses: Gordana Arsic
Frank Simpson
Ian Taylor

BOARD STAFF INTERROGATORY #4

INTERROGATORY

Ref: Exhibit A, Application, Tab 4, Page 4, Paragraphs 8 and 11

a) The average unit annual gas consumption for natural gas for the forecast residential, commercial customer is given as 2,646 and 17,558 m³ respectively. What are the comparative figures for the nearest area with similar climatic and residential/commercial mix and identify those areas.

RESPONSE

The towns within the United Counties of Prescott Russell that are in close proximity to this project were analyzed and the following were their average residential consumption figures for 2007:

- Village of St Albert, 107 residential customers, 2,606 m³,
- Village of Vankleek Hill, 585 residential customers, 2,489 m³.
- Village of L'Orignal, 550 residential customers, 2,407 m³,

The average consumption numbers shown are slightly lower than those in our project feasibility analysis due to the fact that they include consumption for many new customers whose accounts were not active for a full 12 months

Based on 2006 figures which was a warmer winter, the average consumption of commercial rate 6 customers in nearby towns were:

- Village of St Albert, 16 commercial customers, 14,669 m³
- Village of L'Orignal, 32 commercial customers, 14,711 m³,
- Town of Hawkesbury, 347 commercial customers, 19,388 m³

The expected capture of some large commercial customers such as the Bertrand Asphalt Plant and the Plantagenet High School helped increase the average annual consumption shown in the feasibility analysis of this project.

BOARD STAFF INTERROGATORY #5

INTERROGATORY

Ref: Exhibit E

a) Please confirm that Enbridge will secure all approvals necessary from all authorized agencies for the construction and operation of the proposed pipeline prior to construction of the pipeline.

RESPONSE

a) Enbridge confirms that all permits and approvals will be secured prior to construction of the pipeline.

Witness: Frank Simpson

BOARD STAFF INTERROGATORY #6

INTERROGATORY

Please provide a status update on consultations with Aboriginal groups with regard to the following points:

- a) Identify all of the Aboriginal groups that have been contacted in respect of this application.
- b) Indicate:
 - i) how the Aboriginal groups were identified;
 - ii) when contact was first initiated; iii) the individuals within the Aboriginal group who were contacted, and their position in or representative role for the group;
 - iv) a listing, including the dates, of any phone calls, meetings and other means that may have been used to provide information about the project and hear any interests or concerns of Aboriginal groups with respect to the project.
- c) Provide relevant information gathered from or about the Aboriginals as to their treaty rights, or any filed and outstanding claims or litigation concerning their treaty rights or treaty land entitlement or aboriginal title or rights, which may potentially be impacted by the project.
- d) Provide any relevant written documentation regarding consultations, such as notes or minutes that may have been taken at meetings or from phone calls, or letters received from, or sent to, Aboriginal groups.
- e) Identify any specific issues or concerns that have been raised by Aboriginal groups in respect of the project and, where applicable, how those issues or concerns will be mitigated or accommodated.
- f) Explain whether any of the concerns raised by Aboriginal groups with respect to the applied-for project have been discussed with any government department or agencies, and if so, identify when contacts were made and who was contacted.
- g) If any of the Aboriginal groups who were contacted either support the application or have no objection to the project proceeding, identify those groups and provide any available written documentation of their position. Also, indicate if their positions are final or preliminary or conditional in nature.
- h) Provide details of any known Crown involvement in consultations with Aboriginal groups in respect of the applied-for project.

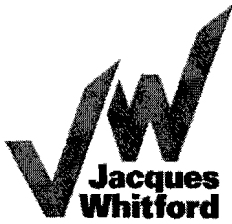
Witness: Edwin Makkinga
Loretta Hardwick, Jacques Whitford.

RESPONSE

An Aboriginal consultation was conducted as part of the public consultation process undertaken by Jacques Whitford. Attached to this response please find Jacques Whitford's letter providing further clarification on the process. In addition, in section 2.6.3 of the Environmental Report found at Exhibit E, Tab, 2, Schedule 1, pg 27, the consultation process is outlined by Jacques Whitford. A copy of the Notice of Commencement and Open House that was sent to the Algonquin's of Pikwakanagan (Golden Lake) which can be found at Exhibit E, Tab 2, Schedule 1, Appendix E.

There has been no response received to date from the Algonquin's of Pikwakanagan (Golden Lake).

Witness: Edwin Makkinga
Loretta Hardwick, Jacques Whitford.



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VIA EMAIL - Edwin.Makkinga@enbridge.com

Project No.: 1030466.01

June 5, 2008

Edwin Makkinga
EHS Specialist, Enbridge Gas Distribution
5th Floor, 500 Consumers Road
North York, ON M2J 1P8

Dear Mr. Makkinga:

**Re: Board Staff Interrogatory #6
Enbridge Gas Distribution Pipeline to Serve Alfred and Pantagenet**

Jacques Whitford would like to provide further clarification of the consultation with Aboriginal groups for the *Final Report Environmental Assessment of a Proposed Pipeline to Serve the Communities of Alfred and Pantagenet, Ontario* (the EA report).

An internet search was conducted to identify the closest First Nation communities and potentially interested Aboriginal groups. The closest First Nation reserves identified were the Akwasasne Reserve that is located approximately 60 km south of the proposed project and the Kanesatake Reserve located approximately 40 km east of the project. Due to the distance of the project from these First Nation communities and the location of the pipeline within existing right-of-ways, it was determined that there would be not effect that would likely be of concern to these communities.

The Algonquins of Golden Lake assert Aboriginal rights and title to the Ottawa River watershed and its natural resources. A letter advising of the commencement of the environmental assessment, along with a copy of the Notice of Commencement and Open House for the environmental assessment were mailed to the Algonquins of Golden Lake on November 9, 2007. There has been no response received to date from the Algonquins of Golden Lake on this project.

We trust this information meets your present requirements. Should you have any questions or require additional information, please contact the undersigned.

Yours very truly,

JACQUES WHITFORD LIMITED

DRAFT

Loretta Hardwick, M.Sc.
Project Manager

J.A. (Al) Leggett, MCIP, RPP
Senior Reviewer

cc: Frank Simpson, Enbridge Gas Distribution

P:\2007\1030466 - Alfred to Plantagenet Pipeline - EA Amendment\1030466.01\Regulator Consultation\Response to Board Interrogatory #6.doc

Jacques Whitford © 2008

BOARD STAFF INTERROGATORY #7

INTERROGATORY

Please review and provide any concerns and/or comments on the draft conditions of approval (if leave is granted) as set out below:

Draft Conditions of Approval Proposed by Board Staff Leave to Construct

1. General Requirements

1.1 Enbridge Gas Distribution Inc. ("Enbridge") shall construct the facilities and restore the land in accordance with its application and the evidence filed in EB-2007-0745, except as modified by this Order and these Conditions of Approval.

1.2 Unless otherwise ordered by the Board, authorization for Leave to Construct shall terminate December 31, 2008, unless construction has commenced prior to then.

1.3 Except as modified by this Order, Enbridge shall implement all the recommendations of the Environmental Report filed in the pre-filed evidence, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee ("OPCC") review.

1.4 Enbridge shall advise the Board's designated representative of any proposed material change in construction or restoration procedures and, except in an emergency, Enbridge shall not make such change without prior approval of the Board or its designated representative. In the event of an emergency, the Board shall be informed immediately after the fact.

2. Project and Communications Requirements

2.1 The Board's designated representative for the purpose of these Conditions of Approval shall be the Manager, Facilities.

2.2 Enbridge shall designate a person as project engineer and shall provide the name of the individual to the Board's designated representative. The project engineer will be responsible for the fulfilment of the Conditions of Approval on the construction site. Enbridge shall provide a copy of the Order and Conditions of Approval to the project engineer, within seven days of the Board's Order being issued.

Witness: Frank Simpson

2.3 Enbridge shall give the Board's designated representative and the Chair of the OPCC ten days written notice in advance of the commencement of the construction.

2.4 Enbridge shall furnish the Board's designated representative with all reasonable assistance for ascertaining whether the work is being or has been performed in accordance with the Board's Order.

2.5 Enbridge shall file with the Board's designated representative notice of the date on which the installed pipelines were tested, within one month after the final test date.

2.6 Enbridge shall furnish the Board's designated representative with five copies of written confirmation of the completion of construction. A copy of the confirmation shall be provided to the Chair of the OPCC.

3. Monitoring and Reporting Requirements

3.1 Both during and after construction, Enbridge shall monitor the impacts of construction, and shall file four copies of both an interim and a final monitoring report with the Board. The interim monitoring report shall be filed within six months of the in-service date, and the final monitoring report shall be filed within fifteen months of the in-service date. Enbridge shall attach a log of all complaints that have been received to the interim and final monitoring reports. The log shall record the times of all complaints received, the substance of each complaint, the actions taken in response, and the reasons underlying such actions.

3.2 The interim monitoring report shall confirm Enbridge's adherence to Condition 1.1 and shall include a description of the impacts noted during construction and the actions taken or to be taken to prevent or mitigate the long-term effects of the impacts of construction. This report shall describe any outstanding concerns identified during construction.

3.3 The final monitoring report shall describe the condition of any rehabilitated land and the effectiveness of any mitigation measures undertaken. The results of the monitoring programs and analysis shall be included and recommendations made as appropriate. Any deficiency in compliance with any of the Conditions of Approval shall be explained.

4. Easement Agreements

4.1 Enbridge shall offer the form of agreement approved by the Board to each landowner, as may be required, along the route of the proposed work.

Witness: Frank Simpson

5. Other Approvals and Agreements

5.1 Enbridge shall obtain all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project, shall provide a list thereof, and shall provide copies of all such written approvals, permits, licences, and certificates upon the Board's request.

RESPONSE

Enbridge has reviewed the Draft Conditions of Approval provided and has no concerns or comments regarding the Draft Conditions of Approval with the exception of Draft Condition 2.3.

As noted Exhibit A, Tab 3, Schedule. 1, Page 4 of 4, Enbridge proposed to construct the pipeline prior to the 2008/09 heating season and therefore proposed to commence construction in early July 2008. This schedule was intended to provide residents and businesses with the opportunity to use natural gas during the harvest season and the 2008/09 winter. Therefore, to accommodate the proposed schedule and also reduce the potential for adverse weather to impact the construction of the pipeline, Enbridge requests the following change:

- Enbridge shall give the Board's designated representative and the Chair of the OPCC **five** days written notice in advance of the commencement of the construction.

All conditions as set out by the Ontario Energy Board will be adhered to by the Company.

Witness: Frank Simpson