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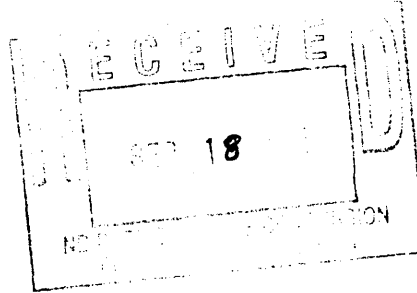
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September 18, 2006

Hand Delivered

Ms. Ilona A. Jeffcoat-Sacco
Executive Secretary
North Dakota Public Service Commission
600 E. Boulevard Ave., Dept. 408
Bismarck, ND 58505-0480



Dear Ms. Jeffcoat-Sacco:

In re: Enbridge Pipelines (North Dakota) LLC
Case No. PU-06-349
Crude Oil Pumping Stations
Mountrail-McHenry-Ramsey-Grand Forks Counties Application
Our File No. 120-27894

Enclosed for filing, please find:

1. Exhibit No. 2, being eleven copies of decibel level at pumping stations as requested by the Commission.

Please call should you have any questions.

Very truly yours,


BRIAN R. BJELLA

bw
Enc.

105 PU-06-349 Filed: 9/18/2006 Pages: 3
Decibel Level at Pumping Stations, Exhibit No. 2

Fleck Mather & Strutz, LTD.

Brian Bjella

Enbridge Pipelines (North Dakota) LLC
 2505 16th Street S.W.
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 United States
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 www.enbridge.com

memo

Date: September 16, 2006

From: Brent Horton

Re: **Enbridge Pipelines (North Dakota), LLC**
Case No. PU-06-349
Crude Oil Pumping Stations - Mountrail- McHenry-Ramsey-Grand Forks
Counties Siting Application
Information Request – Decibel Levels

As requested, Enbridge Pipelines (North Dakota) LLC provides the following information in regards to information on the potential noise levels at or around the proposed pumping stations.

Noise, or the sound pressure level (L_p), is a ratio of a sound pressure to a reference pressure, expressed in decibels. L_p is dependent upon distance from the source and, to some extent the acoustic environment. To estimate the L_p at a distance greater than that at which it was measured:

$$L_p (\text{Desired Distance}) = L_p (\text{Distance}) - 20 \text{ Log} (\text{Desired Distance} / \text{Distance})$$

The API motor specification for the pump stations requires a maximum of 85 dBA @ 3 feet. Based on this reference level and distance, from the motor, the noise level is calculated to be:

| Distance (ft) | Noise Level (dBA) |
|---------------|-------------------|
| 3 | 85.00 |
| 25 | 66.58 |
| 100 | 54.54 |
| 200 | 48.52 |
| 300 | 45.00 |
| 400 | 42.50 |
| 500 | 40.56 |

Table 1. Noise Levels at distances from the Electric Motor

Table 2 provides a point of reference of how the noise levels relate to familiar sounds.

| dBA | Points of Reference | Perception / Hearing | dBA | Points of Reference | Perception / Hearing |
|------------|---|-----------------------------|------------|--|-----------------------------|
| 0 | The softest sound a person can hear with normal hearing | Threshold of Hearing | 70 | freeway traffic, commercial area | |
| 10 | normal breathing | | 80 | manual machine, doorbell | Loud |
| 20 | whispering at 5 feet | Barely Audible | 85 | heavy traffic, noisy restaurant | |
| 30 | soft whisper, broadcast studio | | 90 | tractor | |
| 40 | quiet office, library, quiet nighttime residential area | | 100 | factory machinery, school dance | Very Loud |
| 50 | rainfall, large office, refrigerator, average home | Comfortable | 110 | shouting in ear, car horn, baby crying | |
| 60 | Normal conversation | | 120 | thunder | |

Table 2. Noise Points of Reference

With the addition of land features, buildings, containment berms and with dBA levels calculated to be 45 and below past 300 feet from the source, Enbridge Pipelines (North Dakota) LLC expects no concerns with noise near the neighboring buildings near the proposed stations.