

Health
CanadaSanté
CanadaHealthy Environments
and Consumer Safety
BranchDirection générale,
Santé environnementale et
sécurité des consommateursSafe Environments Program
510 Lagimodière Blvd.
Winnipeg, MB R2J 3Y1

2007 JUL -3 A 8:01

NEB/ONE

Your file Votre référence

OF-Fac-Oil-E242-2007-01 01
Our file Notre référence
MB-2006/07-067

June 29, 2007

Mr. Michel L. Mantha
National Energy Board
444 - 7th Avenue
Calgary, Alberta T2P 0X8**Subject: Enbridge Southern Lights Project Application Review**

Health Canada has reviewed Enbridge Pipeline Inc.'s Southern Lights Project Application, dated February 2007, as found on the National Energy Board's website. Health Canada is providing the following comments as a Federal Authority under the provisions of the *Canadian Environmental Assessment Act* with an interest in participating in the NEB review of the Southern Lights Project:

Acoustic Environment

It is noted in Section 5.2. of the ESA that noise surveys and impact assessments were not undertaken for some locations where residences exist in close proximity to pumping stations (e.g. Manitou, Kingman, and Metiskow) and increased levels of noise may be experienced during operation. A complete assessment including predictive modeling is necessary for all locations with nearby receptors that may experience increased noise emissions.

Mitigation measures were not proposed at pumping stations where the measured noise levels were found to currently equal or exceed the allowable night-time L_{eq} standard (e.g. Kerrobert, Cromer Terminal). As the ESA indicates that relative noise levels at local residences may increase during operation, mitigation of any cumulative effects should be taken into consideration prior to construction rather than reactively as part of a monitoring program.

Section 5.1.5 states that an increase in noise levels (due to the LSr pipeline) over existing levels will not occur during operations. This conflicts with information provided in the socio-economic summaries found in Section 5.2 and also with Table 6.6, which states that ambient noise levels at pump stations may or will increase during operation, respectively.


Radiation Protection

It is unclear if any assessment was undertaken regarding naturally occurring radioactive materials (NORM) for the construction and operation phases of the project. Radionuclide bearing deposits may be encountered during construction or maintenance activities at pipeline facilities such as pumping stations or valve sites. Mitigation measures should be provided as appropriate. The *Canadian Guidelines for the Management of Naturally Occurring Radioactive Materials (NORM)* provide information regarding the assessment and control of potential sources or modes of radiation exposure by workers or the public.

Canada

I can be reached at (204) 984-8318 should you have any questions regarding these comments.

Sincerely yours,

A handwritten signature in black ink, appearing to be 'R. A.' followed by a long horizontal stroke.

Rick Grabowecky
Regional Environmental Assessment Coordinator

cc: Stan Hnatiuk (HC)
Tak Nakamoto (HC)
Kent Lien (NEB)
Peter Boothroyd (CEAA)



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Facsimile Transmittal Notice
Avis de transmission de fac-similé

DATE: June 30, 2007

TO/À: Mr. Michel L. Mantha, Secretary, National Energy Board
Telephone/Téléphone: (403) 292-4800
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FROM/DE: Rick Grabowecky, Regional Environmental Assessment Coordinator
Safe Environments Programme
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SUBJECT/SUJET: Enbridge Southern Lights Pipeline Project
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(including transmittal sheet/inclus l'avis de transmission de fac-similé)

COMMENTS/REMARQUES

Please find attached, Health Canada's comments regarding the review of Enbridge Pipelines's application for the Southern Lights Project.

Regards,

Rick Grabowecky

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