

EXECUTIVE SUMMARY

July 2008

This Acoustic Assessment Report (Assessment) has been prepared for the proposed Union Gas Limited (UGL) facility (Facility) to be located at 3840 Rhodes Drive, Windsor, Ontario. The Assessment has been prepared in support of the Facility's Application for Certificate of Approval (C of A) (Air).

The Ministry of the Environment (MOE) Noise Screening Process Form was completed for the Facility and determined a minimum separation distance of 1000 metres (m). The nearest sensitive point of reception is approximately 760 m from the Facility's significant noise sources, therefore, an Acoustic Assessment is required.

UGL provides services to address User Service Requirements, such as welding support and pipeline construction needs. The Facility operates 24 hours per day, 7 days per week.

The Assessment presented herein provides an evaluation of the potential noise impacts from Facility noise emissions generated during normal operations on the sensitive receptors located nearest to the Facility. The Assessment was prepared consistent with the following MOE guidance:

- NPC-233, *"Information to be Submitted for Approval of Stationary Sources of Sound, October 1995"*;
- *"Appendix A - Supporting Information for an Acoustic Assessment Report or Vibration Assessment Report Required by a Basic Comprehensive C of A"* as specified in the MOE guidance entitled *"Basic Comprehensive Certificates of Approval (Air) - User Guide, April 2004"*;
- NPC-205, *"Sound Level Limits for Stationary Sources in Class 1 and 2 Areas (Urban), October 1995"*; and
- NPC-103, *"Procedures, August 1978"*.

The cumulative attenuated sound level predicted at POR1 and POR2 is below the MOE minimum daytime and nighttime noise limit of 50 dBA and 45 dBA, respectively, as summarized in Table 3.

TABLE 3

ACOUSTIC ASSESSMENT SUMMARY - STEADY STATE SOUND LEVELS
 UNION GAS LIMITED, 3804 RHODES DRIVE
 WINDSOR, ONTARIO

<i>Point-of-Reception ID</i>	<i>Point-of-Reception Description</i>	<i>Sound Level at Point-of-Reception Predicted (Leq)</i>	<i>Verified by Acoustic Audit (Yes/No)</i>	<i>Performance Limit (1) (Leq)</i>	<i>Compliance with Performance Limit (Yes/No)</i>
<i>Nighttime</i>					
POR 1	Residence - Temple Drive	35.7 (dBA)	No	45.0 (dBA)	Yes
POR 2	Residence - Pillette Road	34.5 (dBA)	No	45.0 (dBA)	Yes

Notes:

- (1) MOE minimum daytime and nighttime sound level criteria for Class 2 environment.