

EXECUTIVE SUMMARY

Union Gas Limited retained HGC Engineering on behalf of the Tipperary Gas Corporation to prepare an updated Acoustic Assessment Report for the Tipperary Pool Station located northwest of Holmesville, Ontario. Previously, HGC Engineering prepared an Acoustic Assessment Report (“AAR”) in January 2012 [1]. This updated AAR incorporates measurements conducted following the installation of silencers on the fan-cooled radiator outlets.

Sound level measurements were conducted by HGC Engineering at the facility on October 7, 2011 and July 11, 2012, near each stationary source and at the neighbouring offsite points of reception. The source sound levels were used to develop an acoustical model of the facility in order to prepare a sound source inventory, and thereby determine the contribution of each individual source to the overall offsite sound levels. Acoustic assessment criteria were established in accordance with the sound level limits in MOE guidelines NPC-205 and NPC-232.

The measurements and analysis indicate that the sound emissions of the facility are within the applicable sound level limits, as set out in MOE publications NPC-205 and NPC-232. Details of the measurements and analysis are provided in the body of the report.

Table A3: Acoustic Assessment Summary Table

Point of Reception	Point of Reception Description	Sound Level at Point of Reception, LEQ [dBA]		Verified by Acoustic Audit	Performance Limit, LEQ [dBA]		Compliance with Performance Limit
		Day	Night		Day	Night	
R1	Two storey home 460 m east of station	40	40	Yes	50	45	Yes/Yes
R2	One storey home 490 m north of station	35	35	No	45	40	Yes/Yes
R3	One storey home 535 m south of station	34	34	No	45	40	Yes/Yes