

**CAA Standards Committee
November 7, 2013 Meeting
Environmental Noise Subcommittee Report**

Submitted by: Bill Gastmeier, HGC Engineering

The following items are carried forward or presented for informational purposes.

- MOE (Ontario) Guideline NPC 300 has been released. It replaces (merges and aligns) Land Use Planning Guideline LU-131 used for Planning Act Applications with Noise Pollution Control Guidelines NPC 205 and NPC-232 used to obtain EPA approvals. One new feature is providing Municipalities the discretion to create a Class 4 acoustical environment for lands designated for new noise sensitive land uses near existing industrial (stationary) noise sources. It would permit significantly higher industrial noise impacts at the building facades with restricted options for noise mitigation for those facades such that indoor sound levels remain low. A description of the highlights is available at:
<http://www.acoustical-consultants.com/above-the-noise-the-hgc-engineering-blog/>
- Jason Tsang of the Canadian Transportation Agency (Agency) has provided an update with respect to the Agency's Technical Advisory Committee Best Practice document on railway noise. The document will outline potential mitigation measures for different railway operations. The document will give guidance to parties during collaborative measures and be used by Agency staff when a complaint is being adjudicated. The Best Practices document will be publicly available, which may be of use to engineering consultants, land-use planners, municipalities, and other agencies. The report is anticipated to be completed by 2014.
- Clair Wakefield of Wakefield Acoustics reports that the updated BC Ministry of Transportation & Infrastructure's Highway Noise Impact Assessment & Mitigation Policy was adopted in June 2013 and is now in use for projects that are initialized since that date. There is still some polishing up to do on the documentation and on a project screening procedure, and he will provide a copy/link for distribution when it is ready.
- Novus Environmental conducted a study which was peer reviewed by RWDI for the MOE, MTO and Metrolinx Steering Committee to determine the appropriate road and rail traffic noise algorithms and models for use in Ontario. The recommended models are TNM for roads, FTA for Rail Transit and FRA for Heavy Rail. CADNA and Soundplan currently have commercial software implementations of TNM and it is hoped that other software providers will develop appropriate packages for commercial use as well.
- A new MOE "Guideline for Noise and Vibration Assessment of Transit Projects, April 2011" is available in Draft form (PIBS 4000).
- Raymond Beshro at CN has translated Sections 1 and 2 and Christian Giguere has translated Item 4.7 and Section 6 of Section of the "CAA Guide to Acoustic Standards". We have more work to do to complete the translation and volunteers would be helpful.