

**CAA Standards Committee
September 2016 Meeting
Environmental Noise Subcommittee Report**

Submitted by: Bill Gastmeier, HGC Engineering

Most of these items are carried forward for informational purposes. There have been no significant new items to report since our last Report in June with the exception of the update of the CAA Guide to Standards.

MOECC Modernization Programme

- The MOECC is considering expanding the Environmental Activity and Sector Registry (EASR) programme to include medium sized commercial and industrial facilities. A noise study would still need to be done but it would simply need to be uploaded as part of the Registration process, not formally reviewed by the MOECC. A Professional Engineer would be required to declare that the study it is complete and accurate, and if there were non-compliance, lay out a noise abatement action plan.

Wind Energy in Ontario

- There are a significant number of wind energy projects that have been completed or will be completed in the near future. Nearly all wind energy projects in Ontario require Emission and Immission Acoustic Audits under their Renewable Energy Approvals. The Ontario Ministry of the Environment and Climate Change (MOECC) is currently reviewing a significant number of submitted reports.
- The MOECC has recently updated the Noise Guidelines for Wind Farms (PIBS 9900e) which was published on May 2, 2016. The updated Guideline provides additional analysis requirements for wind energy project Noise Impact Assessments. <https://www.ontario.ca/page/noise-guidelines-wind-farms>
- The MOECC has proposed updates to the Compliance Protocol for Wind Turbine Noise, the Acoustic Audit – Immission guide utilized to complete Acoustic Audits of wind energy projects in Ontario and the draft is available at the following link.

http://www.downloads.ene.gov.on.ca/envision/env_reg/er/documents/2016/012-7445_final%20protocol.pdf

MOECC personnel will give a presentation on this material at the AWMA conference below.

Air and Waste Management Association - Ontario Section

- Explore advances in measurement technology, data quality assurance, and data uses at the Air & Waste Management Association Ontario Section’s “Air and Acoustic Monitoring” conference to be held Oct 26, 2016 in Waterloo Ontario. The conference continues the Section’s legacy of promoting current monitoring and measurement methods and data use.

- The conference provides a forum for current advances in measurement technology covering all aspects of air quality, including ambient and stack sampling, and acoustics monitoring. Both laboratory and field studies are welcomed. Three concurrent sessions (acoustics, ambient air and stack sampling) and vendor exhibits are planned.

Alberta Update (Jack Davis)

No update at this time.

Update Concerns for CAA Guide to Standards

Revision of the CAA Guide is underway, and the Environmental Noise Subcommittee is recommending the following changes for the section on standards for Environmental Noise.

Proposed Modification	Pertinent Standards	Subject
No Change Required	ISO 9613-1:1993 ISO 9613-2:1996 ISO 1996-2: 2007* ISO 1996-3: 2005 ISO 6393:2008 ISO 6395:2008 SAE J1096:2000 ISO 5130:2007 ISO 14509:2008** ISO 2922:2000	<i>Propagation</i> <i>Propagation</i> <i>Description/measurement</i> <i>Description/measurement</i> <i>Earth Moving Machinery</i> <i>Earth Moving Machinery</i> <i>Outside Heavy Vehicles</i> <i>Road Vehicles</i> <i>Small Craft</i> <i>Vessels</i>
Modify Date	ISO 5130: 2007 AMD 1: 2012 ISO 2922: 2000 AMD 1: 2013	<i>Road Vehicles</i> <i>Road Vehicles</i>
Cancelled and Replaced	ISO 362-1: 2007 Replaced by ISO 362-1:2015 ISO 362-2: 1998 Replaced by ISO 362-2:2009 ISO 1996-1: 2003 Replaced by ISO 1996-1: 2016 CAN/CSA-C61400-11-07 Replaced by CAN/CSA-IEC 61400-11: 2012	<i>Road Vehicles</i> <i>Road Vehicles</i> <i>Description/measurement</i> <i>Wind Turbines</i>
Add Standards	ASTM 1332-10a *** ISO/PAS 20065: 2016	<i>Outdoor/ Indoor STC</i> <i>Detection of Tones</i>

Withdrawn by CSA *****	CAN/CSA-ISO 1996-1:05, Replaced by ISO 1996-1:2016	<i>Description/measurement</i>
	CAN/CSA-ISO 1996-3:05	<i>Description/measurement</i>
	CAN/CSA-Z107.9-00 (R2004)	<i>Highway Barriers</i>
	CAN/CSA-Z107.54-M85 (R2001)	<i>Blasting</i>

- * Some of these standards are listed without a complete date eg. ISO 1996-2: 2007 is currently listed in the Guide as ISO 1996-2:07. These should be corrected for consistency.
- ** This standard is duplicated in the guide and one entry should be removed.
- *** Could find a home in Section 3.2 of the Guide. Used fairly extensively in Canada.
- **** Should we remove these standards since they have been withdrawn by the CSA? ISO-1996 is extensively used in Canada as is Z107.9