

**Individual Environmental Assessment  
For the  
Bennett Environmental Inc.  
High Temperature Thermal Treatment Facility**

**Formal Submission**

**- June 2002 -**

**BENNETT**  
**ENVIRONMENTAL INC.**

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## Glossary

The following terminology and abbreviations may be found throughout the report:

COPC	Chemical of Potential Concern
EA	Environmental Assessment
ToR	Terms of Reference
MOE	Ontario Ministry of the Environment
MNR	Ministry of Natural Resources
MNDM	Ministry of Northern Development and Mines
Bennett	Bennett Environmental Inc.
CofA	Certificate of Approval
GRT	Government Review Team
CAC	Citizen's Advisory Committee
ASL	Above Sea Level
Sound power level	<p>Sound power levels are the constant noise a source will emit, and does not take into account what the sound will be like in a specific environment. Using the sound power level allows us to determine what the source will sound like in different environments, because sound at one residence may be different than the sound at another residence in a different location.</p> <p>An example is an 80-dBA fan. In a building with carpet and wallpaper and drop ceiling, it may sound quieter than in a building with only concrete walls.</p>
Ha	Hectare
Acute	Short-term
Chronic	Long-term
CCME	Canadian Council of Ministers of the Environment
CEM	Continuous Emissions Monitor
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
NO <sub>x</sub>	Nitrogen Oxides
SO <sub>x</sub>	Sulphur oxides
HCl	Hydrogen chloride

HBr	Hydrogen bromide
PCP	Pentachlorophenol
PCB	Polychlorinated biphenyls
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
TCE	Trichloroethylene
Octave band sound level	A sound can be split into 8 octaves, varying from low to high frequency (the low notes to the high notes). Since different frequencies are affected differently by walls, etc. this data can assist in design of noise control measures.
A-Weighting	The human ear does not hear low frequency sounds (the low notes) as well as it does higher frequencies. The A-weighting allows a sound level meter to approximate the way a human ear responds to various frequencies. It is widely used in assessing community noise.