

Acronyms, Units and Glossary

Acronyms

Acronym	Definition
AAQC	Ambient Air Quality Criteria
ADMGO	Air Dispersion Modelling Guideline for Ontario
AERMOD	Air Dispersion Modelling Software
AMSL	Above Mean Sea Level
ANSI	Area of Natural or Scientific Interest
BHR	Built Heritage Resource
BOD	Biological Oxygen Demand
CAAQS	Canadian Ambient Air Quality Standards
CCME	Canadian Council of Ministers of the Environment
C&D	Construction and Demolition
CEAA	<i>Canadian Environmental Assessment Act</i>
CHL	Cultural Heritage Landscape
CSP	Corrugated Steel Pipe
CUM	Cultural Meadow (ELC Code)
CUT	Cultural Thicket
CUW	Cultural Woodland
DM	Dustfall Monitoring
DOC	Dissolved Organic Carbon
EA	Environmental Assessment
EB	Eastbound
ECA	Environmental Compliance Approval
EHP	Effluent Holding Pond
ELC	Ecological Land Classification
EOWHF	Eastern Ontario Waste Handling Facility
EPA	<i>Environmental Protection Act</i>
ESA	<i>Endangered Species Act</i>
ESDM	Emission Summary and Dispersion Modelling
FIT	Feed-in-Tariff
FOC	Coniferous Forest
FOD	Deciduous Forest
FOM	Mixed Forest
GCL	Geosynthetic Clay Liner
GFL	GFL Environmental Inc. (Green For Life)

Acronyms

Acronym	Definition
GHD	General Habitat Description
GHG	Greenhouse Gas
GIS	Geographic Information System
GPS	Global Positioning System
GRT	Government Review Team
HDPE	High Density Polyethylene
HDR	HDR Corporation
HEC	Hydraulic Engineering Center (US)
HELP	Hydrologic Evaluation of Landfill Performance
HMS	Hydrologic Modeling System (US)
IC	Internal Combustion
IC&I	Industrial Commercial and Institutional
IDF	Intensity Duration Frequency
IGF	Information Gathering Form
ISO	International Organization for Standardization
JFSA	J.F. Sabourin and Associates Inc.
JSL	Jurisdictional Screening Level
LCP	Leachate Collection Piping
LCS	Leachate Collection System
L _{EQ}	Equivalent Sound Level
LFG	Landfill Gas
LHP	Leachate Header Piping
L _{LM}	Logarithmic Mean Impulse Sound Level
LOS	Level of Service
LTF	Leachate Treatment Facility
MMAH	Ontario Ministry of Municipal Affairs and Housing
MNDM	Ontario Ministry of Northern Development and Mines
MNO	Métis Nation of Ontario
MNRF	Ontario Ministry of Natural Resources and Forestry
MOECC	Ontario Ministry of the Environment and Climate Change
MOEE	Ontario Ministry of the Environment and Energy
MRF	Material Recovery Facility
MSW	Municipal Solid Waste
MTCS	Ontario Ministry of Tourism, Culture and Sport
MTO	Ministry of Transportation of Ontario
NE	Northeast
NPC	Noise Pollution Control

Acronyms

Acronym	Definition
NW	Northwest
ODWQS	Ontario Drinking Water Quality Standards
OEAA	Ontario <i>Environmental Assessment Act</i>
OES	Ontario Electronic Stewardship
OTS	Ontario Tire Stewardship
OU	Odour Unit
OWRA	<i>Ontario Water Resources Act</i>
PM	Particulate Matter
POI	Point of Impingement
POR	Point of Reception
PSW	Provincially Significant Wetland
PWQO	Provincial Water Quality Objectives
RAS	River Analysis System
SAR	Species at Risk
SCS	Soil Conservation Service
SD	Supporting Document
SDG	United Counties of Stormont, Dundas and Glengarry
SMBR	Suspended Media Biological Reactors
SRM	Specified Risk Material
SWD	Deciduous Swamp
SWH	Significant Wildlife Habitat
SWM	Stormwater Management
SWT	Thicket Swamp
TDS	Total Dissolved Solids
THR	Threatened Species
ToR	Terms of Reference
TSS	Total Suspended Solids
WB	Westbound
WPCP	Water Pollution Control Plant

Units

Unit	Definition
d	day
dBA	decibels (A-weighted)
dBAI	decibels (A-weighted) for impulse noise
h	hour
ha	hectare
k	methane generation rate
km	kilometre
km ²	square kilometres
km/h	kilometres per hour
kph	kilometres per hour
m	metre
m AMSL	metres above mean sea level
m/s	metres per second
m ²	square metres
m ³	cubic metre
m ³ /d	cubic metre per day
m ³ /h	cubic metres per hour
m ³ /tonne	cubic metre per tonne
m ³ /year	cubic metre per year
masl	metres above sea level
mbg	metres below ground
mg/L	milligram per litre
mm	millimetre
MW	megawatt
µg/L	microgram per litre
OU	odour unit
OU/m ³	odour unit per cubic metre
OU/s-m ³	odour unit per second-cubic metre
Ppm	parts per million
s	second
tonne/m ³	tonne per cubic metre

Glossary

Term	Definition
Approval	Permission granted by an authorized individual or organization for an undertaking to proceed. This may be in the form of program approval, environmental compliance approval, certificate of approval or provisional certificate of approval
Bioreactor Landfill	A landfill designed to increase the rate of decomposition by microbial activity through monitoring and manipulation of oxygen and moisture levels.
Bulking Material	Material such as woodchips added to high nitrogen materials like food scraps to provide a carbon source and increase the porosity of the compost.
Capacity (Disposal Volume)	The total volume of air space available for disposal of waste at a landfill site for a particular design (typically in m ³); includes both waste and daily cover materials, but excludes the final cover
Composting	The controlled microbial decomposition of organic matter, such as food and yard wastes, in the presence of oxygen, into finished compost (humus), a soil-like material. Humus can be used in vegetable and flower gardens, hedges, etc.
Composting facility	A facility designed to compost organic matter either in the presence of oxygen (aerobic) or absence of oxygen (anaerobic).
Construction and demolition (C&D) waste	Solid waste produced in the course of residential, commercial, industrial or institutional building construction, demolition or renovation (e.g., lumber, brick, concrete, plaster, glass, stone, drywall, etc.)
Environment	As defined by the Ontario <i>Environmental Assessment Act</i> , environment means: <ul style="list-style-type: none"> • air, land or water; • plant and animal life, including human life; • the social, economic and cultural conditions that influence the life of humans or a community; • any building, structure, machine or other device or thing made by humans; • any solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from human activities; or • any part or combination of the foregoing and the interrelationships between any two or more of them (ecosystem approach).
Environmental Assessment (EA)	A systematic planning process that is conducted in accordance with applicable laws or regulations aimed at assessing the effects of a proposed undertaking on the environment
Environmental Compliance Approval (ECA)	A licence or permit issued by the Ministry of the Environment for the operation of a waste management site/facility
Evaluation criteria	Evaluation criteria are considerations or factors taken into account in assessing the advantages and disadvantages of various alternatives being considered
Feed-in-Tariff (FIT) program	The Feed-In Tariff (FIT) Program was developed for the Province of Ontario to encourage and promote greater use of renewable energy sources including on-shore wind, waterpower, renewable biomass, biogas, LFG and solar photovoltaic for electricity generating projects in Ontario, typically for projects from 10 kW up to 500 kW. A new procurement process is being developed for large renewable projects (greater than 500 kW).
Greenhouse gas (GHG)	Any of the gases whose absorption of solar radiation is responsible for the greenhouse effect, including carbon dioxide, methane, ozone, and the fluorocarbons.
Indicators	Indicators are specific characteristics of the evaluation criteria that can be measured or determined in some way, as opposed to the actual criteria, which are fairly general
Industrial, commercial and institutional (IC&I) wastes	Wastes originating from the industrial, commercial and institutional sectors

Glossary

Term	Definition
Landfill gas (LFG)	The gases produced from the wastes disposed in a landfill; the main constituents are typically carbon dioxide and methane, with small amounts of other organic and odour-causing compounds
Landfill site	An approved engineered site/facility used for the final disposal of waste. Landfills are waste disposal sites where waste is spread in layers, compacted to the smallest practical volume, and typically covered by soil.
Leachate	Liquid that drains from solid waste in a landfill and which contains dissolved, suspended and/or microbial contaminants from the breakdown of this waste.
Material Recovery Facility	A processing facility which sorts recyclable materials into various streams (e.g., glass, newspaper, aluminum, steel, etc.).
Methane gas	A colourless, odourless highly combustible gas often produced by the decomposition of decomposable waste at a landfill site. Methane is explosive in concentrations between 5% and 15% volume in air.
Mitigation	Measures taken to reduce adverse impacts on the environment.
Non-hazardous waste	Non-hazardous wastes include all solid waste that does not meet the definition of hazardous waste and includes designated wastes such as asbestos waste.
Proponent	A person who: <ul style="list-style-type: none"> • carries out or proposes to carry out an undertaking; or • is the owner or person having charge, management or control of an undertaking.
Receptor	The person, plant or wildlife species that may be affected due to exposure to a contaminant.
Residual waste	Waste remaining after a technological process has taken place; e.g., unrecyclable/unprocessed materials remaining after being processed at a material recovery facility or non-compostable materials such as plastic from the composting facility.
Source separated organic material	Organics separated by a household or business that include food wastes and may include leaf and yard wastes.
Specified risk material	Tissues that, in infected cattle, typically contain the agent that causes bovine spongiform encephalopathy, predominantly concentrated in tissues such as the brain and spinal cord.
Stakeholder	Any organization, governmental entity, or individual that has a stake in or may be impacted by a given approach to environmental regulation, pollution prevention, energy conservation, etc.
Terms of Reference (ToR)	A terms of reference is a document that sets out detailed requirements for the preparation of an Environmental Assessment.
Undertaking	Is defined in the Ontario <i>Environmental Assessment Act</i> as follows: <ul style="list-style-type: none"> • An enterprise or activity or a proposal, plan or program in respect of an enterprise or activity by or on behalf of Her Majesty in right of Ontario, by a public body or public bodies or by a municipality or municipalities; • A major commercial or business enterprise or activity or a proposal, plan or program in respect of a major commercial or business enterprise or activity of a person or persons other than a person or persons referred to in clause (1) that is designated by the regulations; or • An enterprise or activity or a proposal, plan or program in respect of an enterprise or activity of a person or persons, other than a person or persons referred to in clause (a), if an agreement is entered into under section 3.0.1 in respect of the enterprise, activity, proposal, plan or program ("enterprise").
Waste	Refuse from places of human or animal habitation; unwanted materials left over from a manufacturing process.
Waste electrical and electronic equipment	A term encompassing all electronic waste (typically anything with a cord) designated by the MOECC for end-of-life management by Ontario Electronic Stewardship.