
1999 Inventory of Toxic Air Emissions Point, Area and Mobile Sources

May 2003

*The 1999 inventory, the fourth regional inventory,
is an ongoing initiative of the air regulatory agencies in the
eight Great Lakes states and province of Ontario.*

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Acronyms and Abbreviations

AIRS	Aerometric Information Retrieval System
AMS	Area and Mobile Source
BHDDV	Buses Heavy Duty Diesel Vehicles
BTU	British Thermal Unit
BW10	Break Wear less than 10 microns
CAA	Clean Air Act
CAR	California Air Resources Board
CAS	Chemical Abstract Service
DVMT	Daily Vehicle Miles Traveled
EET	Emission Estimating Techniques
EIIP	Emission Inventory Improvement Program
EIS	Emission Inventory System
ESP	Electrostatic Precipitator
EVHC	Evaporation Hydrocarbon
EXHC	Exhaust Hydrocarbon
EXPM	Exhaust Particulate Matter
FAEED	FAA Aircraft Engine Emission Database
FIRE	Factor Information Retrieval System
FPRT	Fuel Process Rate
GIS	Geographic Information Systems
GLC	Great Lakes Commission
GLEI	Great Lakes Emissions Inventory
GLIN	Great Lakes Information Network
GLNPO	Great Lakes National Program Office, U.S. Environmental Protection Agency
GLPF	Great Lakes Protection Fund
HAP	Hazardous Air Pollution
HDGV	Heavy-Duty Gasoline Vehicles
HDDV	Heavy-Duty Diesel Vehicles
HHDDV	Heavy Heavy Duty Diesel Vehicles
IDEM	Indiana Department of Environmental Management
IEPA	Illinois Environmental Protection Agency
IJC	International Joint Commission
IMS	Information Management System
INDOT	Indiana Department of Transportation
LDDV	Light-Duty Diesel Vehicles
LDDT	Light-Duty Diesel Trucks
LDGV	Light-Duty Gasoline Vehicles
LDGT1	Light-Duty Gasoline Trucks (from 0 to 6000 lbs gross vehicle weight)
LDGT2	Light-Duty Gasoline Trucks (from 6000 to 8500 lbs gross vehicle weight)
LHDDV	Light Heavy Duty Diesel Vehicles
MACT	Maximum Achievable Control Technology

MC	Motorcycles
MCEI	Minnesota Criteria Pollutant Emission Inventory
MDEQ	Michigan Department of Environmental Quality
MHDDV	Medium Heavy Duty Diesel Vehicles
MOBILE5	U.S. EPA's Vehicle Emissions Model
MOBILE6	U.S. EPA's Vehicle Emissions Model
MPCA	Minnesota Pollution Control Agency
MSDS	Material Safety Data Sheet
NAICS	North American Industry Classification System
NATA	National Air Toxics Assessment
n.e.c.	Not Elsewhere Classified
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NEVES	Non-road Engine and Vehicle Emission Study
NO _x	Nitrogen Oxides
NTI	National Toxic Inventory
NYDEC	New York Department of Environmental Conservation
OEPA	Ohio Environmental Protection Agency
OMS	Office of Mobile Standards
PAH	Polycyclic Aromatic Hydrocarbons
PART5	U.S. EPA's Highway Vehicle Particulate Emission Factor Model
PDEP	Pennsylvania Department of Environmental Protection
PM	Particulate Matter
POTW	Publicly Owned Treatment Works
QA/QC	Quality Assurance/Quality Control
RAPIDS	Regional Air Pollutant Inventory Development System
RFG	Reformulated Gasoline
SAMS	SIP Air Pollutant Inventory Management System
SCC	Source Classification Code
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SSD	Source Summary Database
STEPS	State Environmental Programs Systems
TANKS	Storage Tank Emissions Software
TOG	Total Organic Gases
TRI	Toxic Release Inventory
TW10	Tire Wear less than 10 microns
U.S. EPA	United States Environmental Protection Agency
USDA	United States Department of Agriculture
VOC	Volatile Organic Compound
WDNR	Wisconsin Department of Natural Resources
2BHDDV	2B Heavy Duty Diesel Vehicles

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IN Dept. of Environmental Management

* Orlando Cabrera-Rivera
Jian Yang
Bureau of Air Management
WI Dept. of Natural Resources

Tom Velalis
Division of Air Pollution Control
OH Environmental Protection Agency

Peter Wong
George Georgakopoulos
Envir. Monitoring & Reporting Branch
ON Ministry of Environment

Rob Altenburg
Bureau of Air Quality
PA Dept. of Environmental Protection

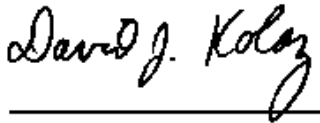
* Denotes Steering Committee Chair
** Denotes Steering Committee Vice Chair

Observer:

Dr. Suzanne King
U.S. EPA Region 5

The Great Lakes Regional Air Toxic Emissions Inventory has been a challenging endeavor for all involved. As an unprecedented effort to compile a regional inventory of toxic air emissions, a multitude of complex issues had to be resolved to ensure that the priorities of all Great Lakes jurisdictions - federal, state, and provincial - were adequately addressed.

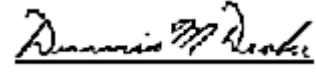
This effort has been supported by the Air Directors from the eight Great Lakes states and Ontario identified below. Without their support, this project would not be possible.




David J. Kolaz, P.E.
Chief
Bureau of Air
Illinois EPA



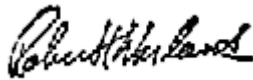
Janet McCabe
Assistant Commissioner
Office of Air Quality
Indiana DEM



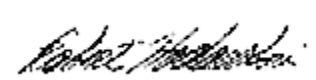
Dennis M. Drake
Chief
Air Quality Division Michigan DEQ



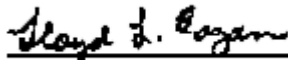
Michael J. Sandusky
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Environmental Outcomes Division
Minnesota PCA



Robert Warland
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Division of Air Resources
New York DEC



Robert F. Hodanbosi, P.E.
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Lloyd L. Eagan
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Bureau of Air Management
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Edward Piche
Director
Environmental Monitoring & Reporting
Branch
Ontario MOE

The Great Lakes Commission is a nonpartisan, binational compact agency established in state and U.S. federal law and dedicated to promoting a strong economy, healthy environment and high quality of life for the Great Lakes – St. Lawrence region and its residents. The Commission is comprised of state legislators, agency officials and governors' appointees from its eight member states. Associate membership for Ontario and Quebec was established through the signing of a "Declaration of Partnership." The Commission maintains a formal Observer program involving U.S. and Canadian agencies, tribal authorities, binational agencies and other regional interests.