



Environmental Management Newsletter

POLLUTECH ENVIRONMENTAL CONSULTANTS are independent Canadian consulting firms providing services nationally and internationally in the fields of environmental engineering, chemistry and biology.

Selected Areas of Expertise:

CORPORATE SERVICES

- Plant Audits, ISO 14000
- Property Transfer Evaluations
- Decommissioning Studies
- Environmental Risk Assessments
- Expert Testimony
- Arbitration and Mediation
- Corporate Consulting & Advisory Services

ENVIRONMENTAL GEOLOGY

- Investigation of Contaminated Groundwater and Soils
- Drilling programs
- Geophysical Investigations
- Computer Modeling

WORKPLACE ENVIRONMENT

- Indoor Air Quality Assessments
- Industrial Hygiene & Occupational Health
- Employee Training Programs

PROCESS EVALUATIONS

- Effluent Treatment
- Water Treatment
- Atmospheric Discharges
- Hazardous Industrial Wastes
- Waste Recovery & Utilization

NATURAL ENVIRONMENT

- Biological Monitoring
- Environmental Assessments
- Water Resource Evaluations
- Computer Modeling
- Phytoecology

TESTING FACILITIES

- Laboratory Services
- Bench Scale Testing
- Pilot Plant Evaluations
- Analytical Services
- Toxicity Testing
- Great Lakes Testing Facility



PROVINCIAL CODE IMPROVEMENTS FOR ANNUAL MONITORING AND REPORTING OF CONTAMINANTS DISCHARGED TO THE ATMOSPHERE

Ontario Regulation 127/01 (Airborne Contaminant Discharge Monitoring and Reporting) was filed on April 26, 2001 and requires industrial facilities meeting specific application criteria "to estimate and report emissions for any of the 358 contaminants" based on threshold values. The 358 contaminants are divided into 3 lists; i.e., Table 2A, Table 2B and Table 2C.

Table 2A consists of 11 contaminants with release based thresholds comprised of criteria air contaminants (oxides of nitrogen, sulphur dioxide, volatile organic compounds, carbon monoxide, particulate matter, PM 10, PM 2.5) and greenhouse gases (carbon dioxide, HFC-134A, methane, nitrous oxide). If any of the specific reporting criteria are satisfied and reporting thresholds are met, annual contaminant emissions for the facility need to be calculated and reported to the MOE. If the annual contaminant emissions are below the reporting threshold or non-existent, these values must still be calculated and reported.

Criteria air contaminant emissions must also be reported for the smog period (May 1st to September 30th) if annual reporting thresholds are met. For facilities having a discharge unit with a name plate capacity of greater than 73 MW (249.2 million Btu/hr) total energy input and the annual emissions of sulphur dioxide and/or oxides of nitrogen "can reasonably be expected" to meet the respective reporting thresholds, quarterly reporting of these two contaminants based on an emission monitoring system is required.

Table 2B consists of 79 contaminants with graded MOE manufactured, processed or otherwise used (MPO) reporting thresholds. A facility is only required to calculate and report these contaminant emissions if it has 10 full time employees (20,000 person hours per year) and the annual MPO thresholds "can reasonably be expected" to be met.

Table 2C consists of 268 National Pollutant Release Inventory (NPRI) contaminants. A copy of the information on air emissions provided to the Federal Minister of the Environment must be sent "at the same time" to the MOE.

For the year 2001, May to December will be considered one calendar year. If a facility meets any of the application criteria you must submit a report to the MOE by June 1st of 2002. Annual reports must be submitted no later than June 1st the following year and quarterly reports within 60 days after each quarter. Reports and associated records must be "kept for at least seven years after the day the report is required to be submitted" and the reports must also be "made available for examination by any person, without charge".



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