



**GREENFIELD  
ENVIRONMENTAL,  
INC.**

## Environmental Management And Compliance Tool:



## EMACT™!

The EMACT Environmental Management and Compliance Tool is MS Windows™ XP and Win2000 compatible.

***One of our customers says it best,***

***“No other software gives you this powerful emission calculation capability combined with such extensive reporting in one centralized environmental management system.”***

## WHY EMACT™ ?

In a workplace with constantly evolving permitting requirements, the demands of record keeping and the burden of compliance management can hinder your operational effectiveness as a corporate environmental professional.

To combat those issues, **GREENFIELD ENVIRONMENTAL, INC.** provides management tools and consulting services, based on advanced MACT standards and scientific principles, aimed at alleviating your concerns.

Greenfield believes that amidst regulatory change, incorporation of the fundamental rules of chemistry and physics can serve as a comforting backbone to a management system that must remain outwardly flexible, yet inwardly powerful.

That philosophy has yielded Greenfield's **Environmental Management and Compliance Tool (EMACT™)**, providing full reporting capability for compliance management and permit generation. Utilizing currently approved EPA MACT equations, EMACT will typically demonstrate higher accuracy and reduced estimates of site HAP emissions as compared to AP-42, especially for [batch production operations](#).

**EMACT™** offers a full data download feature suited to bringing facilities on line quickly and simply. The user can select to use MACT technology guidelines, existing empirical data, or AP-42 as **EMACT's** basis for determining equipment or process specific emission factors.

## EMACT™

- Uses best-available emission factor calculating techniques
  - Do you use the best techniques?
  - Do you rely on AP-42?
- Can create virtual operations for operational impact analysis
- Employs a State of the Art chemicals database with over 2,000 chemicals
  - Easy additional inputs
- Allows one-time input of your multi-component mixtures via a unique algorithmic database module.
- Automatically provides USEPA-mandated validation reports.
  - Emissions and calculation information step by step!
  - Full justification of results!
- Serves as the central source of information critical to effectively maintaining an ISO14001 facility, or to gaining ISO 14001 certification
- Provides customized forms for inter- or intradepartmental communication.
  - Set up by Greenfield to suit YOUR needs!
- Provides reference information for the entire database of raw chemicals
- Gives the ability to report emissions per chemical, per group, or per user-defined-group basis.
  - e.g. “Joe’s Watch List”

## EMACT™ DELIVERABLES

### Calculation Modules:

- Batch Emissions Calculations
- Reactor Emissions Calculations
- Storage Tank Emissions Calculations
- Continuous Process Emissions Calculations
- Emissions Equipment-Specific Calculations
- Miscellaneous Operations

### Report Modules

- Annual Emissions Reports
- Air Permit Compliance Reports
- Custom Time Reports
- Community Right-To-Know
  - SARA Title 3
  - TIER II
  - Form R
- State Specific Reports
- Client Specific Reports
- Throughput Projection and Scheduling
- Regulated Pollutants

### Other Functions

- Scenario Modeling
- Dispersion Criteria Modeling
- Chemical properties database

## GREENFIELD ALSO PROVIDES:

- ⊙ A Full Complement of Air Quality Engineering Services
- ⊙ Soil and Groundwater Remediation Permitting, Troubleshooting, and Maintenance
- ⊙ Industrial & Municipal Wastewater Treatment Services
- ⊙ Environmental Site Assessments
- ⊙ ISO 14000 Training and Methods
- ⊙ Custom Environmental Software Development
- ⊙ Analytical streams measurement
- ⊙ Design of Experiment expertise

**For More Information:  
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**THE POTENTIAL TO REDUCE REPORTABLE EMISSIONS BY  
IMPROVING EMISSIONS ESTIMATION USING MACT GUIDELINES!**

For addition to our general mailing list, and to receive periodic Greenfield Environmental news, contact us by e-mail at:  
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