

## **ENGINEERING ASSISTANCE/TECHNICAL GUIDANCE**

Where more in-depth environmental engineering assistance such as an engineering analysis or technical guidance may be needed, the EPA and its contractors can provide assistance on a range of topics, including:

- Evaluation of source emissions
- Identification of control alternatives
- Estimates of control costs
- Advice on permit conditions to assure good operation and maintenance of control equipment.

## **GUIDANCE DOCUMENTS AND SOFTWARE TOOLS**

CICA provides access to control technology guidance and information transfer, including:

- Alternative control technology documents for specific types of air pollution sources
- Personal computer software programs to assess emissions control problems and potential solutions

## **INTERNATIONAL TECHNOLOGY TRANSFER CENTER FOR GLOBAL GREENHOUSE GASES**

The International Technology Transfer Center for Global Greenhouse Gases provides technology transfer regarding greenhouse gas emissions. This assistance includes characterizations of global emissions from anthropogenic sources and available prevention, mitigation, and control technologies/strategies for major sources of greenhouse gases. Information is available for methane emissions from landfills and other waste management facilities, the natural gas industry, and coal mining. In addition, information is available on biomass use for energy generation and production of liquid fuel, and for pollution prevention technologies.

## **CICA SERVICES**

CICA provides assistance in the following ways:

### **LINES OF COMMUNICATION:**

CICA offers bilingual communication services (English & Spanish)

#### **Information Lines**

Toll-Free from Mexico only: **(800) 304-1115**

From other locations: **(919) 541-1800**

FAX assistance: **(919) 541-0242**

#### **E-Mail:**

[catcmail@epamail.epa.gov](mailto:catcmail@epamail.epa.gov)

### **ON-LINE ASSISTANCE:**

#### **Internet World Wide Web (CICA Web)**

<http://www.epa.gov/ttn/catc/cica/>

## **ENGINEERING ASSISTANCE/ TECHNICAL GUIDANCE**

## **GUIDANCE DOCUMENTS AND SOFTWARE TOOLS**

## **INTERNATIONAL TECHNOLOGY TRANSFER CENTER FOR GLOBAL GREEN HOUSE GASES**

Send correspondence to:

**CICA, MD-12**

**U. S. Environmental Protection Agency  
Research Triangle Park, NC 27711 USA**



United States EPA-456/F-98-001  
Environmental April 1998  
Protection Agency

## **U.S. - MEXICO BORDER INFORMATION CENTER on AIR POLLUTION**



# **CICA\***

**CICA Offers Technical Assistance on Air Pollution Problems along the U.S. - MEXICO Border**

\*Acronym base for Spanish translation: *Centro de Información sobre Contaminación de Aire*

## **CICA GOAL**

**CICA** provides technical support and assistance in evaluating air pollution problems along the U. S.- Mexico Border. These services and products are available at no cost to Federal, State and Local Agencies and Universities in Mexico. Others can use these services depending on available resources. CICA is sponsored by EPA's CLEAN AIR TECHNOLOGY CENTER (CATC). A wide range of technical assistance is offered on:

- Air pollutants and control strategies
- Pollution prevention and control technology applications
- Operation and maintenance problems
- Emission inventory
- Emission factors
- Dispersion modeling
- Ambient monitoring
- Emission measurement
- Risk analysis

CICA provides ready access to EPA information and expertise. It draws on professional staff from the Office of Air Quality Planning and Standards (OAQPS). Private contractors also are available when appropriate.

## **LINES OF COMMUNICATION**

CICA's lines of communication provide rapid responses to questions based on available information from the U.S. EPA and its contractors. Questions are directed to EPA's most knowledgeable experts on the topic. In addition, the CICA Web home page offers the following for the U.S. - Mexico Border area:

- Ambient Air Quality Information
- Air Quality Program Summaries
- CICA Project Abstracts
- File Downloads of CICA Products in English/Spanish
- Access to Other World Wide Web Sites with Border Information
- E-Mail for Comments, Questions, and Feedback

## **ON-LINE ASSISTANCE**

**CICA Web** (English/Spanish):  
<http://www.epa.gov/ttn/catc/cica/>

CICA Web provides access to CICA products and bilingual information on pollution prevention and control technology applications for the U.S.-Mexico Border.

**CATC Web** (English):  
<http://www.epa.gov/ttn/catc/>

CATC Web serves as a resource on all areas of emerging and existing air pollution prevention and control technologies, and provides public access to data and information on their use, effectiveness and cost. CATC Web allows you to access CATC Products. Download technical reports, cost information and related computer software.

### **\*The RACT/BACT /LAER Clearinghouse (RBLC)**

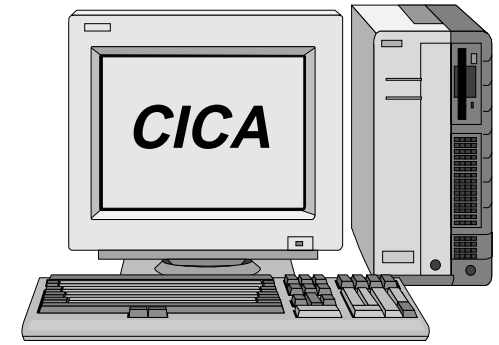
View and download data you select on:

- Source Specific Technology Applications
- Air Pollution Regulatory Requirements

The RBLC provides data on prevention and control technology determinations made by State and local permitting agencies. The Clearinghouse contains over 3,500 determinations that can help you identify appropriate technologies to mitigate most air pollutant emission streams. The RBLC was designed to help permit applicants and reviewers make pollution prevention and control technology decisions for stationary air pollution sources and includes data submitted by 50 States and territories in the U.S. on over 200 different air pollutants and 1,000 industrial processes.

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(\* NOTE: Are you wondering what "RACT, BACT and LAER" stand for and why these acronyms are part of the Clearinghouse name? Well, they are acronyms for different program requirements required under the Clean Air Act which also gave us the name "RACT/BACT/ LAER Clearinghouse." RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards (i.e., nonattainment areas). BACT, or Best Available Control Technology is required on major new or modified sources in clean areas (i.e., attainment areas). LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in nonattainment areas. However, data in the Clearinghouse is not limited just to sources subject to these requirements. Noteworthy prevention and control technology decisions are included in the RBLC even if they are not related to RACT, BACT, or LAER decisions.)



The Clearinghouse also has a regulation data base that summarizes all emission standards and control technique guidelines (CTG) issued by EPA's Office of Air Quality Planning and Standards (OAQPS). This includes new source performance standards (NSPS), national emission standards for hazardous air pollutants (NESHAP), and maximum achievable control technology (MACT) standards. The regulation data base also includes prevention and control technology cost information related to each rule and references to supporting documentation.

**TTN Web** (English)  
<http://www.epa.gov/ttn/>

The TTN Web is a collection of related Web sites containing information about many areas of air pollution science, technology, regulation, measurement, and prevention.

Among the sites on this page are:

**AMTIC** - Ambient Monitoring Technology Information Center  
**CHIEF** - Clearinghouse for Inventories and Emission Factors  
**EMTIC** - Emission Measurement Technical Information Center  
**SCRAM** - Support Center for Regulatory Air Models  
**UATW** - Unified Air Toxics Web site  
**OMS** - Office of Mobile Sources (motor vehicles/fuels/non-road engines)  
**EOG** - Education and Outreach Group (Formerly the Air Pollution Training Institute/APTI).