

National Center for Vehicle Emissions Control and Safety

Emissions-related research and outreach projects

Construction Management
Industrial Sciences
Building
Fort Collins, Colorado
80523-1581
Ph: 970-491-7240
Fax: 970-491-7801
www.ncvecs.colostate.edu

—
Director
Lenora Bohren, Ph.D.

Research Activities

- National Tampering Survey
- Covert Studies
- Oxygenated Fuels
- Alternative Fuels/ Retrofit Kits
- Remote Sensing
- Federal Test Procedures Laboratory
 - Light Duty Vehicles Capability
 - Engineering studies for kit & parts manufacturers
 - After-market devices and fuel additives testing
 - Testing of international products
 - High Altitude Testing Center
 - On Board Diagnostics II (OBDII) Research and Training Center
- Laboratory Research
- Human Factors Research
- Biofuels Emissions Testing

The National Center for Vehicle Emissions Control and Safety (NCVECS), at Colorado State University, was established in 1976 by the U.S. Environmental Protection Agency (EPA). NCVECS was originally established to assist states across the nation in developing their vehicle emissions control programs. The Center's research and training efforts have grown beyond the original EPA mandate.

The research and testing activities at the Center are diverse. They include conducting the EPA's National Tampering Survey beginning in 1984, laboratory research on alternative fuels and conversion kits, after-market devices, and other emissions-related research.

Training workshop topics include: tampering detection

and emissions, alternative fuels, quality assurance and quality control Inspection/Maintenance (I/M) programs, OBDII administrators' and technicians' workshops, and automotive testing equipment.

Outreach activities include the annual Clean Air Conference, hosted by NCVECS since 1984. It has become a premier gathering of individuals involved in Inspection/Maintenance, industry, government, and education. The conference attracts individuals from around the United States in addition to the international community.

Outreach activities also include activities such as the development of a "Cars, Cultures and Cures" curriculum for middle school/junior high students; speaking at local, regional and



national conferences; co-hosting community events regarding air quality; etc.

The Center has expanded its research and training efforts to include international markets. Training has occurred in Canada, Mexico, and Asia. The Center has also held international clean air conferences in Germany, Spain, Mexico, and Costa Rica.

The Center has also become a Clean Air Center that also address issues of Indoor Air Quality.