
Clean Diesel ClearingHouseSM
Support for
Addressing Retrofit Challenges

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Emissions Advantage

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Presentation Topics

About Emissions Advantage

Clean Diesel ClearingHouse

- Background and Overview
- Demonstration

EMISSIONS ADVANTAGE OVERVIEW

Introduction to EMISSIONS ADVANTAGE

- Established in 2003
- Provides education, training, program development, and financial and technical assistance to develop and implement strategies to reduce pollutant emissions, greenhouse gases, and fuel/energy consumption from vehicles/engines/equipment
- Driven by client requests/interests, was “transformed” to non-profit operation in January, 2011
- Clients include:

U.S. EPA	NGOs/Community Groups
Canadian Government	Regional Environmental Agencies
State/Local Governments	SEP Grant Recipients
Fleet Operators	Native American Organizations
Industrial Producers	School Districts, and Others
- Throughout the U.S., thousands of on-road vehicles and nonroad equipment of various types have been involved in diesel emission reduction projects undertaken by EA

Comprehensive, interactive training program for those involved in planning and implementing programs to reduce emissions and fuel use from existing engines

Hundreds of attendees have included representatives from:

- Federal (including EPA and FHWA), regional, state and local air quality agencies
- Federal, state, and local transportation agencies
- Metropolitan and regional planning organizations
- International, state, municipal and tribal government officials
- Construction contractors, fleet owners, technicians, and operators
- Marine port and airport authorities
- National and state industry trade associations
- National, regional, state and local community/environmental groups
- Retrofit product manufacturers, dealers and installers

www.dieselfretrofitbootcamp.com

CLEAN DIESEL CLEARINGHOUSE (CDCH)

Background and Overview

Background

- Need arose from discussions among several New York State (NYS) agencies and other entities with common interests/problems related to retrofit product selection and monitoring compliance with Best Available Technology (BAT) regulations

Background

Create useful, web-based, clearinghouse to provide users with the ability to determine approved Best Available Technology (BAT) for construction equipment applications in NYS, by approving entity, that can:

- Serve compliance monitoring needs of NYS agencies
- Provide benefits to vehicle/equipment operators, retrofit product manufacturers and others
- Expand geographically (including internationally)
- Broaden to cover other air quality improvement program needs, and other nonroad/on-road applications
- Become self sustaining based on demonstrated value

Background - Project Advisory Group Members

American Association of Port Authorities

California Air Resources Board

Clean Air Task Force

Diesel Technology Forum

Manufacturers of Emission Controls Association

New York Interest Group (NYIG) Members

Northeast Diesel Collaborative

Southeast Diesel Collaborative

The Associated General Contractors of America

U.S. Environmental Protection Agency - HQ

West Coast Collaborative

CDCH Overview

- Web interface for data entry and user outputs
- Main search functions of CDCH -- ability to find:
 - Retrofit options, limitations/constraints, manufacturers, installers, service providers
 - Equipment/retrofit product matches
 - Equipment operators using same retrofit products
 - BAT/other regulatory requirements (e.g., RICE-NESHAP)/voluntary program requirements and reporting mechanisms
 - Guidance documents and reference info
- Provide for compliance reporting, monitoring, and data analysis

CDCH Overview

The CDCH is more than just a retrofit product database; it can provide data on:

- Info on mandatory and voluntary emission reduction programs in U.S. and internationally
- Vehicle/equipment population inventory (including those with retrofit products)
- Vehicle/equipment age, make-up and operating location (precise location when equipped with an EA data logger)
- Vehicle/equipment hours operated/miles traveled
- Vehicle/equipment emission inventory estimates
- Emission reduction estimates from applied retrofit
- Issues/problems with retrofit products
- Cost range of retrofit products, installation and maintenance

CLEAN DIESEL CLEARINGHOUSE DEMONSTRATION

www.cleandieselclearinghouse.org