

Williams Brothers Construction Company, Inc.

Case Study Overview:

Name: Williams Brothers Construction Company, Inc.

Location: Houston, TX

Project: Highway construction

Partners: Funding assistance provided by the Texas Emissions Reduction Plan

Clean Diesel Strategy: Engine re-power and vehicle/equipment replacement

Number of Vehicles: 371

Vehicles/Equipment: On-road trucks, dozers, excavators, loaders, crawler cranes, and other construction equipment

Summary:

With assistance from the State of Texas, Williams Brothers Construction Company has become a national model for reducing emissions through off-road engine replacements. Using incentive grants provided by the Texas Emissions Reduction Plan (TERP), the company has replaced engines that had no pollution control technologies, with engines that perform to a cleaner emissions standard in 150 pieces of earthmoving equipment.



Cranes with replaced engines perform to cleaner emission standards.

The Company has also replaced 47 crawler crane engines and 174 trucks that had no emission controls, with engines that meet the cleanest emission standard currently available. According to estimates from the State of Texas, replacing the company's diesel engines will result in total reductions of more than 3,000 tons of nitrogen oxides (NOx).

Williams Brothers has taken a proactive approach embracing innovative measures for reducing diesel emissions, providing a model for other private contractors to follow. According to Vice President Bob Lanham, "Williams Brothers has been an advocate for non-regulatory control measures for on- and off-road diesel equipment. When the State of Texas endorsed an incentive-based approach for the

ozone State Implementation Plan, we believed it was necessary for us to respond accordingly and take a leadership role in demonstrating the effectiveness of this approach.”

In addition to engine and equipment replacement, Williams Brothers Construction Company has implemented several new environmental policies that have become models for other construction firms interested promoting clean air while maintaining a profitable bottom line. These corporate environmental policies include:

1. A no idling policy
2. Preventative maintenance policies and procedures
3. Use of low sulfur diesel (500 ppm) fuel in construction equipment

For more information or questions about Williams Brothers Construction Company, please contact Bob Lanham at (713) 522-9821 or blanham@wbctx.com.