

For Immediate Release

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Cleaire releases the Lonestar Retrofit System: First Verified Device that reduces NOx and Particulate Emissions from Off-Road Equipment

SAN LEANDRO, CA., March 18, 2009 — Cleaire Advanced Emission Controls is pleased to announce receipt of California Air Resources Board (CARB) Verification for its Lonestar™ diesel emission retrofit system. The Lonestar reduces both particulate matter (PM), commonly referred to as soot, and oxides of nitrogen (NOx), a prime contributor to smog. Both soot and smog have been linked to asthma, other respiratory illnesses and global warming. Additionally, Lonestar is the first NOx and diesel PM reduction system to achieve verification for off-road applications.

The Lonestar has been approved to reduce particulate emissions by at least 85 percent, the highest level possible, and to reduce NOx by at least 40%. The Lonestar also reduces emissions of volatile organic compounds and carbon monoxide by more than 85 percent each. Lonestar is approved for installation on a variety of off-road applications, including old, dirty engines, and engines that operate in rough construction environments. Typical off-road applications include loaders, scrapers, and bulldozers.



Cleaire's retrofit technology replaces the muffler in the exhaust system of diesel-powered off-road equipment, where it operates much like a catalytic converter in an automobile. "Lonestar can be easily applied to existing equipment, allowing fleet operators to economically comply with increasing regulations and recapture the original anticipated equipment lifecycle while avoiding costly replacement," said Brad Edgar, President and Chief Technology Officer for Cleaire.

"Lonestar offers a standalone solution to cleaning up our air, and improving our climate change footprint by reducing emissions to new engine particulate standards at a fraction of the cost" says Dr. Edgar.

"Assembly and installation of retrofit systems has the added benefit of creating new green collar jobs at a time when they are really needed", said Gale Plummer, Chief Executive Officer for Cleaire.

The Lonestar verification work was funded in part by the State of Texas through a grant from the Texas Commission on Environmental Quality.

More

Additional California Air Resources Board Verified Products

On-Road

Horizon™: An active regeneration Level 3 verified product, approved for essentially all model years 1960 through 2006 engines, that uses an integrated electric heating element to periodically process captured PM. Thousands of Horizon systems are in daily service installed on school buses, transit/shuttle buses, municipal, utility and refuse vehicles throughout California.

Longview®: A passive regeneration technology verified to reduce NOx by at least 25% and PM by greater than 85%. Longview system is in use on more than 4,000 diesel buses and trucks throughout California, including vehicles owned by over-the-road trucking, local delivery, vocational, municipal, utility, refuse and transit fleets in a number of areas of the country.

Off-Road

Skyline™: An active regeneration Level 3 verified product, approved for essentially all Tier 1 through Tier 3 engines, that uses an integrated electric heating element to periodically process captured PM. Skyline offers an excellent particulate matter control solution for equipment operating in central locations such as refuse transfer, airport ground support, yard spotting and warehouse material management.

About Cleaire Advanced Emission Controls

Cleaire Advanced Emission Controls, LLC (www.cleaire.com) develops and manufactures retrofit systems that reduce emissions from diesel engines. Headquarters are in San Leandro, California with manufacturing facilities in San Diego, California.

Additional information about Cleaire and its verified products can be found at www.cleaire.com.

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