

For Immediate Release

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**Thirty Construction Professionals Learn Strategies to Monitor Diesel Emissions Reduction
During Free Industry Seminar at Columbia University's Manhattanville Campus**



Participants observe a field test of exhaust emissions from a US EPA Tier 4i compliant Caterpillar 966K wheel loader which features advanced emission control technologies

(NEW YORK, October 29, 2014) – Thirty clean construction professionals from civil engineering, construction management, and contractor firms joined representatives from the New York City Department of Environmental Protection, Department of Sanitation and the U.S. Environmental Protection Agency to learn about effective strategies for monitoring diesel emissions reduction and equipment testing during a free seminar today led by Emissions Advantage, in partnership with the New York State Energy Research and Development Authority (NYSERDA) and Columbia University. The event was held at the Studebaker Building on Columbia's new Manhattanville campus, the first LEED for Neighborhood Development (LEED-ND) Platinum certified project in New York City.

The Emissions Advantage Emission Reduction Equipment Field Inspection Boot CampSM provided training background for industry professionals working within an emission reduction program who are responsible for inspection and monitoring of in-use vehicles and equipment. An expert from Emissions Advantage instructed participants on locating emissions information, documenting vehicles and equipment subject to emission reduction program requirements, and

Emissions Reduction Seminar at Columbia – Page 2

performing emissions quality control checks. Participants also observed original equipment manufacturer (OEM) post engine emission components and an actual opacity field test of exhaust emissions from a US EPA Tier 4i compliant Caterpillar 966K wheel loader that was provided by Skanska USA Civil Northeast Inc.

This event was the second in a series of clean construction seminars held at Columbia, following a day-long instruction on retrofit diesel particulate filters held in February 2014. The seminar series continues the university's long-standing commitment to clean construction and the Manhattanville team's particular emphasis on it. Columbia will be applying for a LEED Clean Construction Pilot Credit for several buildings at the Manhattanville site.

Philip Pitruzzello, Vice President of Columbia's Manhattanville Development Group, began the day with a summary of the university's industry-leading clean construction program. "Columbia is proud to co-sponsor this course and facilitate the development of more trained professionals in the emissions reduction field," said Pitruzzello. "As more owners and developers require clean construction techniques, the community impacts of construction in dense urban areas will be reduced."

The event was presented by Thomas J. Timbario, P.E., co-founder and vice president of Emissions Advantage, with more than 30 years in the field of vehicle emission control technologies, advanced vehicle technologies, alternative fuels and their operational deployment.

"Columbia University is providing significant environmental benefits to New York City through the clean construction program established by the Manhattanville Development Group" said Thomas J. Timbario, Vice President of Emissions Advantage. "The workshop we presented provides the background and techniques to individuals responsible for monitoring and inspecting construction equipment to assure compliance with established clean construction requirements that can achieve significant emission reductions in the construction process."

Columbia University's Manhattanville campus calls for an environmentally sustainable and publicly accessible center for academic and civic life in the former Manhattanville industrial zone covering four blocks, from 125th/129th to 133rd Street between Broadway and 12th Avenue, and three smaller blocks along the east side of Broadway, from 131st to 134th Street.

The first phase of development of the Manhattanville in West Harlem campus, which is taking hold over the next decade, includes the construction of the Jerome L. Greene Science Center, the Lenfest Center for the Arts, a new home for the Columbia Business School, and the University Forum academic conference center. Later phases will emphasize interdisciplinary scholarship, including biomedical engineering, nanotechnology, systems biology, and urban population studies, as well as housing for graduate students and faculty. With its open design, local amenities, and publicly accessible green spaces, the campus will provide new, pedestrian-friendly connections to West Harlem Piers waterfront park.

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