

System Proves It Can Tackle Diesel Emissions

Tri-Mer Corp., the developer of CCS technology, teamed with U.S. air quality authorities on a full-scale demonstration of its technology against diesel pollution at the train yard in Roseville, CA. CCS, which stands for Cloud Chamber System, is considered an effective air pollution control for any exhaust application that produces coarse, fine, or super fine particles. Efficiency levels are typically 99 percent or greater, and the system simultaneously removes condensables and soluble gases. The Roseville train yard test was significant not only for the specific application tested — emissions from locomotives that are immobile or moving short distances within a rail yard — but for all emitters of stationary diesel exhaust from large diesel engines. Diesel exhaust is widely recognized as one of the most difficult to treat emissions. In fact, diesel emissions contain more than 40 substances listed by the EPA as hazardous. An official report on the testing can be found on the Placer County Air Pollution Control District website, www.placer.ca.gov/apcd, under the project name: Advanced Locomotive Emissions Control System or ALECS. Tri-Mer Corp. provided the diesel pollution control technology including the engineering, manufacturing, and installation, and the government agencies contracted with an independent third-party testing company to analyze and document results for the final report. With this successful demonstration test completed, CCS is being described as the first technology to demonstrate high removal efficiencies when operating at the flow volumes typical for large diesel engines.

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