



MSRC Contract #MS11087

CEMEX Construction Materials Pacific LLC submitted a request to participate in the current Clean Transportation Funding Program.

Installation and Product RFQ

August 23, 2011

Funding awarded \$500,000

October 7, 2011

Installer and Product Selected

Cummins Cal Pacific is a certified dealer for DCL International, the manufacturer of the CARB verified, Level 3, Mine X Sootfilter diesel particulate filter. October 10, 2011

Contract with SCAQMD

Signed June 13, 2012

Removed 2 equipment from original contract due to transfer out of jurisdiction. Added 1 equipment from Lytle Creek. Total 13 DPF installs. Revised contract signed Feb 14, 2013

Data Logging and Product Design.

Feb 2013 through June 2013.

Installation

Begin product installs

July 2013 thru Jan 2014.

Installation Process

All installations completed without incident. There was a minor challenge with installs on the smaller Kawasaki loaders. The hoods required modification to house the DPF. We also encountered an issue with 2 loaders after the DPF installs were complete. Two filters were plugged with soot over a short period of time. Both instances showed excessive idling during use. As a preventive measure, Cummins Pacific set up operator training sessions at various locations, explaining that past operator habits were not acceptable with this new technology. The operators can now operate the plant loaders in a way that will minimize issues with DPF equipped machinery.

Conclusion

All CEMEX equipment retrofitted under this program is currently engaged in normal day to day operation without incident. We had a few of the large loaders incur a substantial amount of expense to qualify for the retrofits. In conversations with maintenance managers throughout the industry, it has been noted that budgeting for CARB compliance requires not only the DPF systems, but also the cost of engine repairs based on condition. It is not uncommon to find many engine overhauls are needed prior to DPF installations to prevent premature soot buildup. We are hoping that DCL DPF system which does not utilize Catalyzed Continuously Regenerating Technology installed under this grant fund will provide continuous uninterrupted service.

Sincerely,

Greg Papazoglu