

## North Central Texas Clean Construction 2011 Call for Projects: Eligible Retrofit Technologies

(Note: Includes NO<sub>x</sub> - reducing technologies for non-road diesel vehicles only)

Manufacturer	Technology	Applicability	Reductions	
			PM	NO <sub>x</sub>
Caterpillar, Inc	Emissions Upgrade Group	Nonroad: Caterpillar model 3306 diesel engines for non-road applications with model years from 1988 to 1995 with mechanical direct fuel injection.	22%	37%
Cleaire	Lonestar (Lean NO <sub>x</sub> Catalyst and DPF)	150-350 HP, 1996-2009 Models	85%	40%
Engine Control System	AZ Purimuffler/Purifier (DOC + Alt Fuel)	1996-2002 off-road; PuriNOx	50%	20%
Extengine	ADEC (DOC + SCR)	1991-1995 Cummins 5.9 liter off-road; CARB diesel	25%	80%
Lubrizol	PuriNOx, Water emulsion fuel	Non-road, heavy-duty, 2 & 4-cycle	16-58%	9-20%
Nett Technologies Inc.	BlueMAX 100	Non-road, 4-cycle, non-EGR diesel engines between 75–370 kW power ranges, originally manufactured from 1996 through 2008 and originally certified without a catalyst to EPA Tier 1, 2, or 3 standards	0%	65%
Vycon	REGEN System (Energy Storage System)	Pre-1996 model year or Tier 1, 2, or 3 certified off-road diesel engines on rubber-tired gantry cranes; biodiesel.	25%	30%

This is a list of all products listed as verified on the EPA and CARB websites that achieve NO<sub>x</sub> reductions for non-road equipment as of December 28, 2010, for reference. Applicants are encouraged to review these websites to get the most up to date information possible.

Detailed information on verified retrofit technologies is available on the EPA verified Diesel Retrofit Technologies website at [www.epa.gov/oms/retrofit/verif-list.htm](http://www.epa.gov/oms/retrofit/verif-list.htm) and the CARB Verified Diesel Retrofit Technologies website at [www.arb.ca.gov/diesel/verdev/vt/cvt.htm](http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm)