



## **Clean Construction USA**

[www.epa.gov/cleandiesel/construction](http://www.epa.gov/cleandiesel/construction)



- **What is Clean Construction USA?**
  - Part of the National Clean Diesel Campaign (NCDC), Clean Construction USA is an innovative program designed to promote the reduction of diesel emissions from construction equipment and vehicles.
- **What is the environmental impact of construction equipment and vehicles?**
  - There are approximately 2 million pieces of construction equipment in the U.S., which contribute significantly to local air pollution.
  - A typical 175-hp bulldozer emits as much PM as 500 new cars.
  - There are new regulations in place that will ensure that new engines after 2010 will be the cleanest in the world; however, the legacy fleet in operation today will continue to contribute significant levels of harmful emissions over the next 20 years.
- **What are the goals of Clean Construction USA?**
  - Encourage contractors, owners and operators of construction equipment to:

**REDUCE IDLING:** Eliminating unnecessary idling not only reduces diesel emissions, but reduces fuel costs and engine maintenance costs.

**RETROFIT ENGINES:** Verified technologies, such as Diesel Particulate Filters (DPFs) and Diesel Oxidation Catalysts (DOCs), both of which fit on engines like mufflers, can dramatically reduce diesel emissions, improving the air quality for the site workers and the local community.

**SWITCH TO CLEANER FUELS:** Switching to fuels that contain lower levels of sulfur (such as ultra-low sulfur diesel) reduces particulate matter, enhances the effectiveness of retrofit technologies, and can have a cleansing effect on the engine that reduces maintenance costs. Other cleaner fuel options are biodiesel and natural gas.

**PROPERLY MAINTAIN EQUIPMENT:** Properly maintained engines run cleaner and are less likely to need costly repairs.

**REPLACE VEHICLES OR ENGINES:** When feasible, replace existing engines with new cleaner diesel engines, hybrid engines or engines compatible with alternative fuels.

- **What funding is available?**
  - Funding opportunities for clean diesel projects can be found at the federal, state, and local levels and can take the form of grants, tax incentives, or supplemental environmental projects.
  - Specific information on funding can be found at:  
[www.epa.gov/cleandiesel/construction/grants.htm](http://www.epa.gov/cleandiesel/construction/grants.htm)
- **Who can I contact for more information?**
  - Rebecca Russo (US EPA Region 8, Rocky Mountain Clean Diesel Collaborative) at 303-312-6757, [russo.rebecca@epa.gov](mailto:russo.rebecca@epa.gov)
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