

REDUCING HEAVY-DUTY DIESEL EMISSIONS -- PRACTICAL EXPERIENCE, FUTURE GOALS

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The Northeast States for Coordinated Air Use Management (NESCAUM) have been working on several fronts to study and reduce heavy-duty diesel emissions in the region, from both the highway and non-road sectors. NESCAUM is studying the pervasiveness of the use of diesel engines across non-road applications and the exposure of heavy- equipment operators to diesel exhaust.

On the technology side, NESCAUM is managing diesel emission control programs that involve long-haul trucking, construction vehicles, school buses, and sanitation trucks. Difficulties encountered in these projects range from the practicality of retrofit technology in cold weather applications to the availability of appropriate fuel. As retrofit technology becomes more accepted in on-road applications, the region is beginning to focus on methods to reduce emissions in the non-road sector, including construction equipment, stationary engines, and airport equipment. NESCAUM provides some of the reasons why these controls are necessary and examples of how these controls can be implemented.