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Cleaner Diesels: Low Cost Ways to Reduce Emissions from Construction Equipment

By U S Environmental Protection Agency

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Air pollution from diesel emissions is a public health concern that reaches every part of the country. There are two main pollutants of concern in diesel exhaust that affect human health: nitrogen oxide (NOx) and particulate matter (PM). NOx is one of the main ingredients in the formation of ground-level ozone, which can trigger respiratory problems. Ozone can aggravate asthma and other respiratory diseases, leading to more visits to the emergency room and increased hospitalizations. Ozone can inflame and damage the lining of the lungs. This may lead to permanent changes in lung tissue and to irreversible reductions in lung function if the inflammation occurs repeatedly over a long time period. PM has been associated with an increased risk of premature mortality, hospital admissions for heart and lung disease, and increased respiratory symptoms. Long-term exposure to diesel exhaust is likely to pose a lung cancer hazard. In addition, PM, NOx, and ozone adversely affect the environment in various ways including visibility impairment, crop damage, and acid rain. The construction sector is a significant contributor to these emissions, creating...



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