

<b>UTC Project Information</b>	
Project Title	Assessing Regulatory Compliance and Community Air Pollution Impacts of Crude Oil by Rail Transport in Baltimore City, Maryland
University	Johns Hopkins University
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Funding Source(s) and Amounts Provided (by each agency or organization)	Center for Advancing Research in Transportation Emissions, Energy, and Health (CARTEEH): \$50,000
Total Project Cost	\$50,000
Agency ID or Contract Number	69A3551747128
Start and End Dates	Start Date: February 20, 2018 End Date: February 19, 2019
Brief Description of Research Project	Increased fracking since 2011 has resulted in the transport of crude oil by rail (CBR) to refineries and ports across the US. Previous derailments of trains transporting CBR has resulted in dozens of deaths and polluted air, soil and waterways. A derailment of a train carrying crude oil in Baltimore, could adversely impacted roughly 165,000 residents. This project will deliver evidence-based characterization of CBR within Baltimore City. Specifically, we will: (1) characterize the periodicity and regulatory compliance of CBR train transit; (2) determine the temporal relation between CBR train traffic and volatile organic compound emissions at residential sites proximal to CBR corridors; and (3) develop lessons-learned and best practices suitable for other U.S. communities affected by CBR. This affordable, efficient, and adaptable protocol to understand CBR patterns will supplement the efforts of Baltimore City activists and promote community health and self-determination across the US.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none"> <li>• Reports</li> <li>• Project website</li> </ul>	

