

Transportation Air Quality and MOVES Training – Overview Document

The Texas A&M Transportation Institute (TTI) provides assistance to TxDOT and its partner agencies on transportation air quality and conformity topics through the Air Quality and Conformity Technical Assistance Interagency Contract.

As part of this work, TTI developed and delivered a two-day training workshop to the Alamo Area Metropolitan Planning Organization (AAMPO) in November 2018, focusing on the use of the MOVES emissions model, along with an introductory refresher course on air quality conformity.

The slides from this training workshop are being made available on the Texas TWG Transportation Air Quality Portal as a resource. The slides can be used for reference and self-learning purposes; however, their original intended use was in a classroom setting, and they include material from interactive exercises. The slides include five modules, as described below:

- **Module 1: Transportation Conformity & Regional Emissions Analysis** – provides an introduction/refresher on key topics related to transportation air quality and regional emissions analysis.
- **Module 2: Introduction to MOVES** –introduces the MOVES emissions model
- **Module 3: MOVES Critical Inputs** – provides a detailed overview of the MOVES inputs required for developing emissions inventories from SIP and conformity analyses
- **Module 4: MYSQL Workbench and Queries** – provides an introduction to MySQL and the use of common queries to access MOVES inputs and outputs.
- **Module 5: Practical Applications** – discusses practical applications of use of the MOVES model in context of transportation and air quality planning in Texas, with the use of interactive exercises based on hypothetical scenarios.

For further information on this training and materials, please contact:

Madhusudhan Venugopal, P.E.

Associate Research Scientist, Environment and Air Quality Division

Texas A&M Transportation Institute

Email: m-venugopal@tti.tamu.edu

Phone: (972) 994-2213