

**MEMORANDUM**

**TO**: Jennifer Snyder, US EPA

**FROM**: Mike Pring, Eastern Research Group, Inc. (ERG)

Regi Oommen, Eastern Research Group, Inc. (ERG)

**DATE**: July 22, 2019

**SUBJECT**: Summary of Revisions to the Nonpoint Oil and Gas Emissions Estimation Tool – 2017 NEI Version 1.1

The purpose of this memorandum is to summarize additional changes that have been made to the 2017 Nonpoint Oil and Gas Emissions Estimation Tool (Tool) since the April 11, 2019 Summary of Revisions memo.

**Activity Updates**

Activity data updated for:

* Illinois
* West Virginia

**Emission Factor and Basin Factor Updates**

1) Updated gas composition data for Pennsylvania for:

* Gas-actuated pumps;
* Fugitives; and
* Pneumatic devices

2) Updated gas composition data for Liquids Unloading for the 5 counties in the Uinta Basin, Utah using EPA SPECIATE4.5, 2016, Profile 95418.

3) Updated select basin factors in Ohio County, WV based on ERG ORD study. Data updated for:

* Condensate tanks;
* Dehydrators;
* Fugitives;
* Gas-actuated pumps;
* Heaters;
* Pneumatic devices;
* Produced water; and
* Wellhead compressors

**Tool Updates**

1) Updated data input form to reflect VRU controls on crude oil and condensate tanks.

2) Updated EIS staging tables to account for multiple control devices on crude oil and condensate tanks.