

**MEMORANDUM**

**TO**: Jennifer Snyder, US EPA

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

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**DATE**: October 23, 2019

**SUBJECT**: Summary of Revisions to the Nonpoint Oil and Gas Emissions Estimation Tool – 2017 NEI Version 1.2

The purpose of this memorandum is to summarize the changes that have been made to the 2017 Nonpoint Oil and Gas Emissions Estimation Tool (Tool) since the July 22, 2019 Summary of Revisions memo was released.

**Activity Updates**

Activity data updated for Kansas based on data provided by Lynn Deahl July 22, 2019.

**Emission Factor and Basin Factor Updates**

1) The “DEHYD\_FRACTION\_FLARES” for Alaska was updated from “0” to “1” based on communication with Molly Birnbaum of ADEC on September 18, 2019.

2) The default capture efficiency for crude oil and condensate storage tanks has been updated to reflect 84% capture for the following input parameters:

* OIL\_TANK\_FLARE\_CAPT\_EFF
* COND\_TANK\_FLARE\_CAPT\_EFF
* COND\_CBM\_TANK\_FLARE\_CAPT\_EFF

In addition, the default control efficiency for crude oil and condensate storage tanks has been updated to reflect 95% control for the following input parameters:

* OIL\_TANK\_FLARE\_CONT\_EFF
* COND\_TANK\_FLARE\_CONT\_EFF
* COND\_CBM\_TANK\_FLARE\_CONT\_EFF

These updates have been applied nationally for all counties.

3) Updated “WELLHEAD\_FRACTION\_GASWELLS\_NEED\_COMPRESSION” for Ohio County, WV to “0.73” based on ERG ORD study.

**Tool Updates**

1) Added state names to the geographic selection menu.

2) Added pollutant names to select emission summary tables.