

## New Mexico - Emission Factors & Methodology

Per the engineer's discretion:

Testing may be required to confirm any accepted emission factor.

The emission factors in this table may be accepted or rejected.

Other emission factors may be accepted, with adequate documentation.

*EF = Emission Factor*

*VOC = Volatile Organic Compounds*

*HAP = Hazardous Air Pollutant*

<i>Oil and Gas Sector Emission Source Category</i>	<i>State Emission Factor</i>	<i>Simulation Models</i>	<i>EPA Emission Factor</i>	<i>Manufacturer Guaranteed Emission Factor</i>	<i>Mass Balance</i>	<i>Sampling Analysis</i>	<i>Comments</i>
Amine Units	none	Amine Calc	none	as provided by manufacturer	throughput analysis	Required for all Simulation Models: Extended Gas Analysis	Use simulation models to set emission limits.
		HYSYS					
		ProSim					
Blowdowns, Other <sup>1</sup>	none	none	none	none	EF developed on estimated gas blowdown volume and number of annual equipment blowdowns.	May require extended gas analysis for VOC and HAP content.	
Blowdowns, Pipeline	none	none	none	none	none	May require extended gas analysis for VOC and HAP content.	
Blowdowns, Wells or Well Venting	none	none	none	none	none	none	
Condensate Tanks <sup>b</sup>	none	EPA Tanks	none	none	none	Required for all Simulation Models: Extended Liquids Analysis	
		E&P Tanks					
		HYSYS					
		ProSim					
		Vasquez Beggs					
Crude Tanks	none	EPA Tanks	none	none	none	none	
		E&P Tanks					
		HYSYS					
		ProSim					
		Vasquez Beggs					
Drilling Rigs	none	none	none	none	none	none	
Emergency Flares	none	none	none	as provided by manufacturer	Mass Balance	May require extended gas analysis for VOC and HAP content.	
VOC Control Flares		none	AP-42 Table 13.5-1	as provided by manufacturer	Mass Balance	May require extended gas analysis for VOC and HAP content.	
	none						
Fugitive Emissions	none	none	EOA-453	none	none	none	
			R-95-017				
Glycol Dehydrators	none	GlyCalc	none	as provided by manufacturer	none	May require extended gas analysis for VOC and HAP content.	
		HYSYS					
		ProSim					
Heaters	none	none	AP-42 Table 1.4-1 and 1.4-2	as provided by manufacturer	Fuel Sulfur	May use CEMS data to set limits	

<b>Oil and Gas Sector Emission Source Category</b>	<b>State Emission Factor</b>	<b>Simulation Models</b>	<b>EPA Emission Factor</b>	<b>Manufacturer Guaranteed Emission Factor</b>	<b>Mass Balance</b>	<b>Sampling Analysis</b>	<b>Comments</b>
<b>Natural Gas Liquid Truck Loading</b>	none	none	AP-42 Chapter 5.2 Equation 1	none	none		
<b>Natural Gas Plant Truck Loading</b>	none	none	AP-42 Chapter 5.2 Equation 1	none	none		
<b>Oil and Gas Well Truck Loading</b>	none	none	AP-42 Chapter 5.2 Equation 1	none	none		
<b>Pits</b>	none	none	none	none	throughput analysis		
<b>Pneumatic Controllers</b>	none	none	none	none	none	none	
<b>Pneumatic Pumps</b>	none	none	none	none	none	none	
<b>Produced water tanks<sup>9</sup></b>	none	EPA Tanks	none	none	Assume 100% volatilization and throughput analysis	none	
		E&P Tanks					
		HYSYS					
		ProSim					
		Vasquez Beggs					
<b>RICE</b>	none	none	AP-42 Chapter 3.2	as provided by manufacturer	Fuel Sulfur	portable analyzer testing	portable analyzer testing to verify (& adjust) permitted limits
<b>Diesel Engines</b>	none	none	AP - 42	as provided by manufacturer	Fuel Sulfur	portable analyzer testing	portable analyzer testing to verify (& adjust) permitted limits
<b>Turbines</b>	none	none	AP-42 Chapter 3.2	as provided by manufacturer	none	portable analyzer testing	portable analyzer testing to verify (& adjust) permitted limits
<b>Water Storage Ponds or Evaporation Ponds</b>	none		none	none	Assume 100% volatilization and throughput analysis	none	
<b>Well Completions</b>	none	none	none	none	none	none	
<b>Well Recompletions</b>	none	none	none	none	none	none	
<b>Workover Rigs</b>	none	none	none	none	none	none	
<b>Other<sup>2</sup></b>	none	none	none	none	none	none	

NOTES:

1 Blowdowns other than pipeline or well blowdowns, which are a separate source categories. For example, equipment blowdowns would be reported under this source category.

2 If the State has emission factors for a source category that is not on this table, include the source category in the first column under "Other"