

Miscellaneous Processes at Oil/Gas Production Plants

Revised December 2025

ROG SOURCE	Emission Factor (lb/source unit) Organic Gases
API Separators (wastewater processed) (1000 gal)*	0.2 (Controlled Emissions) 5 (Uncontrolled Emissions)
Open Pond/Ditches (surface area) (sq. ft.)	2.8
Clean-Out Sumps (surface area) (sq. ft)	1.8
Well Head-Oil Prod No-Steam (number of sources)	0.7
Well Head-Oil Prod-Steam Injection (no control, number of sources)	80,300
Well Head-Oil Prod-Steam Injection Non-Methane Controlled (number of sources)	8,030
Well Head-Oil Prod-Steam Injection Non-Methane & Methane Controlled (number of sources)	803
Well Head-Oil Prod-Cyclic Steam Injection (no control, number of sources)	1,314
Well Cellars, Heavy Oil (surface area) (sq. ft.)	1.77
Well Cellars, Light Oil (surface area) (sq. ft.)	2.59

* If wastewater flow rate to oil/water separators is unknown (in liters or gallons) assume it is 0.95 times the refinery feed rate (in liters or gallons).