

Rule 805

Air Quality & Odor

805 – Odors & Dust

(NEW RULE)

- a. General. Oil and gas facilities and equipment shall be operated in such a manner that odors and dust do not constitute a nuisance or hazard to public welfare.
- b. Odors (Rule 805.b)
 1. Compliance (Rule 805.b.(1))
 - A. Oil and gas operations shall be in compliance with CDPHE-Air Quality Control Commission Regulation No. 2 (Odor Emission)
 - B. No violation of Rule 805.b.(1) shall be cited by the Commission, provided that the practices identified in Rule 805.b.(2) are used.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

2. Production Equipment and Operations (Rule 805.b.(2))

A. Condensate Tanks. All condensate tanks with a potential to emit VOC's of > 5 tons/yr, located in Garfield, Mesa, or Rio Blanco County and within ¼ mile of a building unit ... shall utilize a control device capable of achieving 95% control efficiency of VOC's and shall hold a valid permit from the CDPHE. Tanks meeting this criteria and existing on May 1, 2009 on federal lands and April 1, 2009 on all other lands shall be in compliance with this subsection by October 1, 2009.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

2. Production Equipment and Operations (Rule 805.b.(2))

B. Crude Oil and Produced Water Tanks. All crude oil and produced water tanks with a potential to emit VOC's of > 5 tons/yr, located in Garfield, Mesa, or Rio Blanco County and within ¼ mile of a building unit shall utilize a control device capable of achieving 95% control efficiency of VOC's and shall hold a valid permit from the CDPHE. Tanks meeting this criteria and existing on May 1, 2009 on federal lands and April 1, 2009 on all other lands shall be in compliance with this subsection by October 1, 2009.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

2. Production Equipment and Operations (Rule 805.b.(2))

C. Glycol Dehydrators. All glycol dehydrators with a potential to emit VOC's of > 5 tons/yr, located in Garfield, Mesa, or Rio Blanco County and within ¼ mile of a building unit ... shall utilize a control device capable of achieving 90% control efficiency of VOC's and shall hold a valid permit from the CDPHE. Tanks meeting this criteria and existing on May 1, 2009 on federal lands and April 1, 2009 on all other lands shall be in compliance with this subsection by October 1, 2009.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

2. Production Equipment and Operations (Rule 805.b.(2))

D. Pits constructed after May 1, 2009 on federal land or after April 1, 2009 on all other land with a potential to emit VOC's of > 5 tons/yr, located in Garfield, Mesa, or Rio Blanco County and within ¼ mile of a building unit For purposes of this section, compliance with Rule 902.c shall be considered a required practice. Operators may provide site-specific data and analyses to COGCC staff establishing that pits potentially subject to this subsection do not have a potential to emit VOC's of 5 tons/yr or greater.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

2. Production Equipment and Operations (Rule 805.b.(2))

E. Pneumatic Devices. In instances when new, replaced, or repaired pneumatic devices are installed, low or no bleed valves must be used, where technically feasible.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

3. Green Completions (Rule 805.b.(3))

- A. Green completion practices are required on oil and gas wells where reservoir pressure, formation productivity, and wellbore conditions are likely to enable the well to be capable of naturally flowing hydrocarbon gas in flammable or greater concentrations at a stabilized rate in excess of 500 mcf/d to the surface against an induced surface backpressure of 500 psig of sales line pressure. The practices are not required where they are not technically and economically feasible.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

3. Green Completions (Rule 805.b.(3))

B. Green completion practices shall include the following emission reduction measures:

- i. The operator shall employ special equipment to minimize releases to the environment.
- ii. Well effluent may be directed to tanks or pits.
- iii. Well effluent containing more than 10 bopd or within 2 hours after first encountering saleable gas shall be directed to equipment as need to ensure safe separation and sale.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

3. Green Completions (Rule 805.b.(3))

B. Green completion practices shall include the following emission reduction measures:

- iv. If safe and feasible, closed top tanks shall utilize backpressure systems
- v. All salable quality gas shall be directed to the sales lines as soon as practicable.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

3. Green Completions (Rule 805.b.(3))

- c. An operator may request a variance from the Director if it believes that employing green completion practices is not feasible because of well or field conditions or that following them in a specific instance would endanger the safety of well site personnel or the public.

805 – Odors & Dust (Cont'd)

(NEW RULE)

b. Odors (Rule 805.b)

3. Green Completions (Rule 805.b.(3))

- D. In instances where green completion practices are not technically feasible or are not required, operators shall employ Best Management Practices to reduce emissions. Such BMP's may include measures or actions, considering safety, to minimize the time period during which gases are emitted directly to the atmosphere, or monitoring and recording the volume and time period of such emissions. Such examples should include the flaring or venting of gas.

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(NEW RULE)

c. Fugitive Dust (Rule 805.c)

Operators shall employ practices for control of fugitive dust caused by their operations. Such practices shall include but are not limited to the use of speed restrictions, regular road maintenance, and restriction of construction activity during high-wind days. Additional management practices such as road surfacing, wind breaks and barriers, or automation of wells to reduce truck traffic may also be required if technologically feasible and economically reasonable to minimize fugitive dust emissions.