

Gasoline Dispensing Facilities (GDF)

40 CFR 63

Subpart CCCCCC



GDF

- GDF – any stationary facility which dispenses gasoline into the fuel tank of a motor vehicle
- Affected source
 - each storage tank at a GDF
 - includes cargo tank during delivery of product
- Exemptions
 - from Title V permitting unless already required
 - Aviation fueling

GDF

- New – commenced construction or reconstruction on or after November 9, 2006
- Compliance Dates:
 - New must be in compliance upon startup or by January 10, 2008, whichever is later
 - Existing sources must be in compliance by January 10, 2011

GDF-Requirements- less than 10,000 gal

- Monthly throughput less than 10,000 gal
 - Minimize gasoline spills
 - Clean up spills
 - Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use
 - Minimize gasoline sent to open waste collection systems (oil/water separators)
 - No reports required, but throughput records must be available within 24 hours of a request

GDF –Requirements-over 10,000 gal

- Monthly throughput greater than 10,000 gal
 - Same as above (except for reports) plus
 - Only load gasoline into storage tanks with submerged fill pipes
 - 12 inches from bottom if installed on or before November 9, 2006
 - 6 inches from bottom if installed after
 - Storage tanks with capacity less than 250 gallons are not required to use submerged fill
 - Follow notification requirements

GDF –Requirements-over 100,000 gal

- Monthly throughput greater than 100,000 gal
 - Must comply with above requirements plus
 - Meet management practice requirements or operate a vapor balance system that achieves at least 90 percent reduction of emissions and operates equipment using as stringent management practice requirements and the GDF is in compliance with an **enforceable** State, local or tribal rule or permit that contains these requirements.

GDF –Requirements-over 100,000 gal continued

- Management Practices
- Testing requirements
- Notification requirements
- Recordkeeping and reporting requirements
- Separate requirements for cargo tanks unloading

GDF –Requirements-over 100,000 gal continued

- Management Practices for new, reconstructed or existing
 - Install and operate vapor balance system on tanks
 - All vapor connections and lines equipped with closures that seal upon disconnect
 - Vapor line from storage tank to cargo tank shall be vapor tight as defined
 - Pressure in the tank truck shall not exceed 18 inches of water pressure or 5.9 inches water vacuum during product transfer

GDF –Requirements-over 100,000 gal continued

- Install and operate vapor balance system on tanks (continued)
 - Vapor recovery and product adaptors and method of connection designed to prevent over tightening or loosening during normal delivery
 - If gauge well separate from fill tube is used, a submerged drop tube that extends the same distance as the submerged fill shall be used (12 inch if on or before Nov 9,2006; 6 inches after)
 - Liquid fill connections equipped with vapor-tight caps

GDF –Requirements-over 100,000 gal continued

- Install and operate vapor balance system on tanks (continued)
 - Pressure/vacuum vent valves shall be installed on tank vent pipes as specified in rule
- Equip storage tanks with a dual-point vapor balance system (*means a type of vapor balance system in which the storage tank is equipped with an entry port for a gasoline fill pipe and a separate exit port for a vapor connection*)

GDF –Requirements-over 100,000 gal continued

- The following are exempted from control requirements but must comply with over 10,000 gal requirements
 - Gasoline storage tanks with capacity less than 250 gal constructed after Jan 10, 2008
 - Gasoline storage tanks with capacity less than 2000 gal constructed before Jan 10, 2008
 - Gasoline storage tanks equipped with floating roofs or equivalent

GDF –Requirements-over 100,000 gal continued

- Testing Requirements

- For vapor balance systems at time of installation and every three years there after shall demonstrate compliance with:
 - leak rate and cracking pressure requirements for pressure vacuum vent valves using CARB test method or alternate test method approved by USEPA
 - Static pressure performance requirement using CARB test method or alternate test method approved by USEPA
- If use another type of vapor balance system, then other specified testing is required
- Keep records of all tests for five years

GDF – Cargo Tank Requirements

- Cargo tanks must not unload gasoline into a storage tank at a GDF subject to the control requirements unless:
 - All hoses in the vapor balance system are properly connected
 - The adapters/couplers have closures that seal upon disconnect
 - All vapor return hoses, couplers and adapters are vapor-tight
 - All tank truck vapor return equipment is compatible in size and forms a vapor-tight connection
 - All hatches on the tank truck are closed and securely fastened
 - Filling of storage tanks limited to unloading by vapor-tight cargo tanks
 - Documentation that cargo tank has met specifications of EPA Method 27 shall be carried on the cargo tank

GDF-Notification Requirements

- Initial Notifications were due May 9, 2008
 - Submit to USEPA Regional Office **AND** delegated State authority (most States are not taking delegation of area source NESHAPs)
 - GDF with more than 10,000 gal throughput that have NESHAP compliant submerged fill pipes per State, local or tribal enforceable permit or rule- initial notification nor Notification of Compliance Status not required if compliant prior to January 10, 2008.
 - GDF with more than 100,000 gal throughput that have NESHAP compliant vapor balance system per State, local or tribal enforceable permit or rule -initial notification nor Notification of Compliance Status not required if compliant prior to January 10, 2008.

GDF-Notification Requirements

- Notification of Compliance Status
 - If in compliance, may be submitted in lieu of Initial Notification by May 9, 2008.
 - Due by January 10, 2011
- Notification of Performance Test
- Other

GDF-More Information

- Please refer to rule for specifics at
 - <http://www.epa.gov/ttn/atw/area/arearules.html#area>
- For brochure and sample notification forms:
 - <http://www.epa.gov/ttn/atw/area/arearules.html#imp>