November 2010

Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities 40 CFR Part 63, Subpart BBBBBB

Gasoline vapor contains hazardous air pollutants (HAP) which pose a health risk when inhaled. By installing the controls and following the management practices in this rule, the health risk is greatly reduced.

This fact sheet is presented as a summary only; compliance will be determined by compliance with the actual rule text in 40 CFR 63, Subpart BBBBBB (National Emission Standards for Hazardous Air Pollutants (NESHAP) for minor source gasoline distribution bulk terminals, bulk plants, and pipeline facilities). Minor source facilities (those that do not have emissions for any single criteria pollutant greater than 100 tons per year or for any single HAP greater than 10 tons per year or total emissions for all HAP greater than 25 tons per year) are not required by EPA to obtain a Title V permit. However, Oklahoma rules require any new or reconstructed facility which is subject to a performance standard under NESHAP to obtain a construction permit prior to construction.

THE BASICS

This subpart establishes national emission limitations and management practices for gasoline distribution bulk terminals, bulk plants, and pipeline facilities. This subpart also establishes requirements to demonstrate compliance with the emission limitations and management practices for storage tanks, cargo tanks (railcars and tank trucks), loading racks, and equipment leaks.

AFFECTIED FACILITIES

Affected sources at each gasoline distribution bulk terminal, bulk plant, and pipeline facility, including: each, bulk gasoline terminal, each pipeline breakout station, each pipeline pumping station, and each bulk gasoline plant. Affected sources located at a non-major source are not required to obtain a Title V permit. Major sources should already have permits and compliance issues in place.

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AFFECTIED SOURCES DEFINED (Reference: §63.11100)

Bulk gasoline plant means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank and has a gasoline throughput of less than 20,000 gallons per day. Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal, State, or local law and discoverable by the Administrator and any other person.

Bulk gasoline terminal means any gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank and has a gasoline throughput of 20,000 gallons per day or greater. Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal, State, or local law and discoverable by the Administrator and any other person.

Gasoline cargo tank means a delivery tank truck or railcar loading gasoline.

Pipeline breakout station means a facility along a pipeline containing storage vessels used to relieve surges or receive and store gasoline from the pipeline for re-injection and continued transportation by pipeline or to other facilities.

Pipeline pumping station means a facility along a pipeline containing pumps to maintain the desired pressure and flow of product through the pipeline and not containing storage vessels.

COMPLIANCE DATES (Reference: §63.11083)

Facility Type		Compliance Date
New or reconstructed facilities (After November 6, 2006)	Startup before January 10, 2008	January 10, 2008
	Startup after January 10, 2008	Upon Initial Startup
Existing facilities (On or before November 6, 2006)		January 10, 2011
Existing facilities that increase throughput above threshold levels		3 years after threshold exceedance

RULES AND STANDARD REQUIREMENTS (BASED ON FACILITY AND SOURCE TYPE) (Reference: §63.11086 - §63.11089)

Facilities must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Specific requirements are based on daily gasoline throughput. Measures to be taken include, but are not limited to:

Facility/Source	Facility Requirements
Requirements for Bulk Gasoline Plants (Ref: §63.11086)	• Minimize gasoline spills and clean up spills as expeditiously as practicable; • Cover all open gasoline containers and all gasoline storage tank fill-pipes with a seal when not in use; • Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. Only load gasoline into storage tanks and cargo tanks with submerged fill; except that submerged fill is not required for tanks with a capacity of less than 250 gallons. • Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank. • Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank. • Must comply with applicable requirements of subpart CCCCCC. Must perform a monthly leak inspection of all equipment in gasoline service according to the requirements specified in §63.11089(a) through (d). Must submit an Initial Notification, as specified in §63.11093. If, prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as

	specified in §63.11086(a), you are not required to submit an Initial Notification or a Notification of Compliance Status. Must comply with the requirements of this subpart by the applicable dates specified in §63.11083. Must keep applicable records and submit reports as specified in §63.11094(d) and (e) and §63.11095(c).
Requirements for gasoline storage tanks at a bulk gasoline terminal, pipeline breakout station, or pipeline pumping station (Ref: §63.11087)	Must meet each applicable emission limit and management practice in Table 1 to Subpart BBBBBB of Part 63). Must comply with the requirements of this subpart by the applicable dates specified in §63.11083 Must comply with the applicable testing and monitoring requirements specified in §63.11092(e). Must submit the applicable notifications as required under §63.11093. Must keep records and submit reports as specified in §§63.11094 and 63.11095. If a gasoline storage tank is subject to, and complies with, the control requirements of 40 CFR Part 60, subpart Kb of this chapter, it will be deemed in compliance with this section. You must report this determination in the Notification of Compliance Status report under §63.11093(b).
Requirements for gasoline loading racks at a bulk gasoline terminal, pipeline breakout station, or pipeline pumping station (Ref: §63.11088)	Must meet each emission limit and management practice in Table 2 to this subpart that applies to you. As an alternative for railcar cargo tanks to the requirements specified in Table 2 to this subpart, you may comply with the requirements specified in §63.422(e). Must comply with the requirements of this subpart by the applicable dates specified in §63.11083. Must comply with the applicable testing and monitoring requirements specified in §63.11092. Submit the applicable notifications as required under §63.11093. Keep records and submit reports as specified in §63.11094 and §63.11095.
Requirements for equipment leak inspections at a bulk gasoline terminal, bulk plant, pipeline breakout station, or pipeline pumping station (Ref: §63.11089)	Shall perform a monthly leak inspection of all equipment in gasoline service, as defined in §63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. A log book shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but not later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except: Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report specified in §63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed. Must comply with the requirements of this subpart by the applicable dates specified in §63.11083. Must submit the applicable notifications as required under §63.11093. Must comply with the applicable testing and monitoring requirements specified in §63.11092. Must keep records and submit reports as specified in §§63.11094 and 63.11095.

Applicability Criteria, Emission Limits, and Management Practices for Storage Tanks (Reference: Table 1 to Subpart BBBBBB of Part 63)

Tank Capacity	Facility Requirements
Less than75 cubic meters	Equip with a fixed roof that is mounted to the storage tank in a stationary manner, and maintain all openings in a closed position at all times when not in use.
75 cubic meters or More	For gasoline storage tanks greater than 75 cubic meters capacity: • Reduce emissions of total organic HAP or TOC by 95 weight-percent with a closed vent system and control device as specified in §60.112b(a)(3); or • Equip each internal floating roof gasoline storage tank according to the requirements in §60.112b(a)(1), except for the secondary seal requirements under §60.112b(a)(1)(ii)(B) and the requirements in §60.112b(a)(1)(iv) through (ix); and • Equip each external floating roof gasoline storage tank according to the requirements in §60.112b(a)(2), except that the requirements of §60.112b(a)(2)(ii) shall only be required if such storage tank does not currently meet the requirements of §60.112b(a)(2)(i); or • Equip and operate each internal and external floating roof gasoline storage tank according to the applicable requirements in §63.1063(a)(1) and (b), and equip each external floating roof gasoline storage tank according to the requirements of §63.1063(a)(2) if such storage tank does not currently meet the requirements of §63.1063(a)(1). Storage tanks subject to and in compliance with the control requirements of NSPS, Subpart Kb are deemed in compliance with this subpart.

APPLICABILITY CRITERIA, EMISSION LIMITS, AND MANAGEMENT PRACTICES FOR LOADING RACKS AT (Reference: Table 2 to Subpart BBBBBB of Part 63)

All facilities must adhere to the testing and monitoring requirements of §63.11092. Specific requirements for gasoline loading racks at a bulk gasoline terminal are based on daily gasoline throughput. Measures to be taken include:

Throughput	Facility Requirements
Less Than 250,000 (gallons per day)	• Use submerged filling with a submerged fill pipe that is no more than 6 inches from the bottom of the cargo tank; and • Make records available within 24 hours of a request by the Administrator to document your gasoline throughput.
250,000 or More (gallons per day)	The facility must comply with all requirements for facilities with throughputs less than 250,000 gal/day. • Equip loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; • Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and • Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack from passing to another loading rack; • Limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in §60.502(e) through (j). Compliance with the applicable requirements of §63.11088 is required As an alternative, railcar cargo tanks can comply with the requirements of §63.422(e).

ADDITIONAL FACILITY REQUIREMENTS

Compliance Demonstration:	• Control devices used on loading racks at bulk terminals must be tested to demonstrate compliance with the emission limit; • Closed vent systems and control devices used on storage tanks also must be tested to demonstrate compliance with the emission limit; • Other options for compliance demonstration include using recent performance tests or providing documentation that the devices are complying with state, local or tribal rules or operating permits of at least equal stringency; • Annual inspections of storage tank roofs and seals are required for bulk terminals and pipeline breakout stations; and • Monitoring of operating parameters determined during performance tests or by engineering assessment is required to show continuing compliance.

TESTING REQUIREMENTS (Reference: Table 3 to Subpart BBBBBB of Part 63)

Each owner or operator subject to testing requirements under §63.11086, §63.11087, or §63.11088, is required to comply with the applicable requirements of §63.11092. The requirements include but are not limited to:

If you are	Then applicable testing requirements of §63.11092 apply:
Subject to testing and monitoring requirements under §63.11086, §63.11087, or §63.11088	Testing requirements include but are not limited to: • Must conduct an initial performance test within 180 days after compliance date; • The administrator may require a performance test under CAA section 114 at any time; • Must notify the administrator 60 days before the test; • If necessary to reschedule the performance test the administrator must be notified of the rescheduled date as soon as practicable; • Must submit site-specific test plan procedures, performance audit requirements and internal/external QA procedures for testing 60 days before the test or the date agreed to by the administrator; • Performance tests must be conducted under representative conditions; • Must conduct according to this subpart and EPA test methods unless the administrator approves alternative; • Must have three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; • Must include raw data in performance test report; must submit performance test data 60 days after end of test with the Notification of Compliance Status and keep data for 5 years; • Subject to all monitoring requirements in standard, and • Performance Specifications in appendix B of 40 CFR part 60 apply.

NOTIFICATION REQUIREMENTS (Reference: §63.11093)

Certain gasoline facilities must submit a notification to the Oklahoma Department of Environmental

Facility Notification Requirements

Initial Notification for an affected source	Submit an Initial Notification as specified in §63.11093(a).
Notification of Compliance for an affected source	Submit a Notification of Compliance as specified in §63.11093(b).
Notification of Performance Test of affected bulk gasoline terminal	Submit a Notification of Performance Test, as specified in §11093 (c), prior to initiating testing required by §63.11092(a) or §63.11092(b).
Additional notifications	Any affected source under this subpart must submit additional notifications as applicable.

For Oklahoma Facilities Notifications should be mailed to:

Oklahoma Department of Environmental Quality
Manager, Compliance and Enforcement
Air Quality Division
P O Box 1677
Oklahoma City OK 73101-1677