

**I. Introduction**

An owner or operator may fill in this form in replacement of a highlighted copy of the New Source Performance Standard (NSPS) located in 40 CFR 60, Subpart XX — Standards of Performance for Bulk Gasoline Terminals.

Please be aware that all facilities subject to this NSPS are also subject to 40 CFR 60 Subpart A - General Provisions. Where this NSPS refers to portions of Subpart A (§60.1 to §60.19), please copy those referenced portions of Subpart A and check off the specific items that apply to your facility.

You can find the most recent version of 40 CFR 60, subpart A on EPA's website at <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm/>. A formatted version of subpart A (Form NSPS-A) with check off boxes is available on the MPCA's website, at <http://www.pca.state.mn.us/air/permits/forms.html>.

NSPS PROVISION	<input checked="" type="checkbox"/> if APPLICABLE
Location and Language	
Section 60.500 Applicability and designation of affected facility.	<input type="checkbox"/>
(a) The affected facility to which the provisions of this subpart apply is the total of all the loading racks at a bulk gasoline terminal which deliver liquid product into gasoline tank trucks.	<input type="checkbox"/>
(b) Each facility under paragraph (a) of this section, the construction or modification of which is commenced after December 17, 1980, is subject to the provisions of this subpart.	<input type="checkbox"/>
(c) For purposes of this subpart, any replacement of components of an existing facility, described in paragraph (a) of this section, commenced before August 18, 1983 in order to comply with any emission standard adopted by a State or political subdivision thereof will not be considered a reconstruction under the provisions of 40 CFR 60.15.	<input type="checkbox"/>
Note: The intent of these standards is to minimize the emissions of VOC through the application of best demonstrated technologies (BDT). The numerical emission limits in this standard are expressed in terms of total organic compounds. This emission limit reflects the performance of BDT.	
Section 60.501 Definitions.	
The terms used in this subpart are defined in the Clean Air Act, in §60.2 of this part, or in this section as follows: <i>Bulk gasoline terminal</i> means any gasoline facility which receives gasoline by pipeline, ship or barge, and has a gasoline throughput greater than 75,700 liters 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. <i>Continuous vapor processing system</i> means a vapor processing system that treats total organic compounds vapors collected from gasoline tank trucks on a demand basis without intermediate accumulation in a vapor holder. <i>Existing vapor processing system</i> means a vapor processing system [capable of achieving emissions to the atmosphere no greater than 80 milligrams of total organic compounds per liter of gasoline loaded], the construction or refurbishment of which was commenced before December 17, 1980, and which was not constructed or refurbished after that date. <i>Flare</i> means a thermal oxidation system using an open (without enclosure) flame.	

NSPS PROVISION Location and Language	<input checked="" type="checkbox"/> if APPLICABLE
Section 60.501 Definitions. (continued)	
<p><i>Gasoline</i> means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kilopascals or greater which is used as a fuel for internal combustion engines.</p> <p><i>Gasoline tank truck</i> means a delivery tank truck used at bulk gasoline terminals which is loading gasoline or which has loaded gasoline on the immediately previous load.</p> <p><i>Intermittent vapor processing system</i> means a vapor processing system that employs an intermediate vapor holder to accumulate total organic compounds vapors collected from gasoline tank trucks, and treats the accumulated vapors only during automatically controlled cycles.</p> <p><i>Loading rack</i> means the loading arms, pumps, meters, shutoff valves, relief valves, and other piping and valves necessary to fill delivery tank trucks.</p> <p><i>Refurbishment</i> means, with reference to a vapor processing system, replacement of components of, or addition of components to, the system within any 2-year period such that the fixed capital cost of the new components required for such component replacement or addition exceeds 50 percent of the cost of a comparable entirely new system.</p> <p><i>Thermal oxidation system</i> means a combustion device used to mix and ignite fuel, air pollutants, and air to provide a flame to heat and oxidize hazardous air pollutants. Auxiliary fuel may be used to heat air pollutants to combustion temperatures.</p> <p><i>Total organic compounds</i> means those compounds measured according to the procedures in §60.503.</p> <p><i>Vapor collection system</i> means any equipment used for containing total organic compounds vapors displaced during the loading of gasoline tank trucks.</p> <p><i>Vapor processing system</i> means all equipment used for recovering or oxidizing total organic compounds vapors displaced from the affected facility.</p> <p><i>Vapor-tight gasoline tank truck</i> means a gasoline tank truck which has demonstrated within the 12 preceding months that its product delivery tank will sustain a pressure change of not more than 750 pascals (75 mm of water) within 5 minutes after it is pressurized to 4,500 pascals (450 mm of water). This capability is to be demonstrated using the pressure test procedure specified in Method 27.</p>	
Section 60.502 Standard for Volatile Organic Compound (VOC) emissions from bulk gasoline terminals.	<input type="checkbox"/>
On and after the date on which §60.8(a) requires a performance test to be completed, the owner or operator of each bulk gasoline terminal containing an affected facility shall comply with the requirements of this section.	<input type="checkbox"/>
(a) Each affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading.	<input type="checkbox"/>
(b) The emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks are not to exceed 35 milligrams of total organic compounds per liter of gasoline loaded, except as noted in paragraph (c) of this section.	<input type="checkbox"/>
(c) For each affected facility equipped with an existing vapor processing system, the emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks are not to exceed 80 milligrams of total organic compounds per liter of gasoline loaded.	<input type="checkbox"/>
(d) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack.	<input type="checkbox"/>

NSPS PROVISION Location and Language	<input checked="" type="checkbox"/> if APPLICABLE
Section 60.502 Standard for Volatile Organic Compound (VOC) emissions from bulk gasoline terminals. (continued)	<input type="checkbox"/>
(e) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:	<input type="checkbox"/>
(1) The owner or operator shall obtain the vapor tightness documentation described in §60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.	<input type="checkbox"/>
(2) The owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.	<input type="checkbox"/>
(3) (i) The owner or operator shall cross-check each tank identification number obtained in paragraph (e)(2) of this section with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded, unless either of the following conditions is maintained:	<input type="checkbox"/>
(A) If less than an average of one gasoline tank truck per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or	<input type="checkbox"/>
(B) If less than an average of one gasoline tank truck per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually.	<input type="checkbox"/>
(ii) If either the quarterly or semiannual cross-check provided in paragraphs (e)(3)(i) (A) through (B) of this section reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met.	<input type="checkbox"/>
(4) The terminal owner or operator shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 1 week of the documentation cross-check in paragraph (e)(3) of this section.	<input type="checkbox"/>
(5) The terminal owner or operator shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained.	<input type="checkbox"/>
(6) Alternate procedures to those described in paragraphs (e)(1) through (5) of this section for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Administrator.	<input type="checkbox"/>
(f) The owner or operator shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.	<input type="checkbox"/>
(g) The owner or operator shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.	<input type="checkbox"/>
(h) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in §60.503(d).	<input type="checkbox"/>
(i) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).	<input type="checkbox"/>
(j) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.	<input type="checkbox"/>
Section 60.503 Test methods and procedures.	<input type="checkbox"/>
(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). The three-run requirement of §60.8(f) does not apply to this subpart.	<input type="checkbox"/>

NSPS PROVISION Location and Language	<input checked="" type="checkbox"/> if APPLICABLE
Section 60.503 Test methods and procedures. (continued)	<input type="checkbox"/>
(b) Immediately before the performance test required to determine compliance with §60.502 (b), (c), and (h), the owner or operator shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The owner or operator shall repair all leaks with readings of 10,000 ppm (as methane) or greater before conducting the performance test.	<input type="checkbox"/>
(c) The owner or operator shall determine compliance with the standards in §60.502 (b) and (c) as follows:	<input type="checkbox"/>
(1) The performance test shall be 6 hours long during which at least 300,000 liters of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete 6-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs.	<input type="checkbox"/>
(2) If the vapor processing system is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processor. If this does not occur under automatically controlled operations, the system shall be manually controlled.	<input type="checkbox"/>
<p>(3) The emission rate (E) of total organic compounds shall be computed using the following equation:</p> $E = K \sum_{i=1}^n (V_{esi} C_{ei}) / (L 10^6)$ <p>where:</p> <p>E = emission rate of total organic compounds, mg/liter of gasoline loaded. V_{esi} = volume of air-vapor mixture exhausted at each interval "i", scm. C_{ei} = concentration of total organic compounds at each interval "i", ppm. L = total volume of gasoline loaded, liters. n = number of testing intervals. i = emission testing interval of 5 minutes. K = density of calibration gas, 1.83×10⁶ for propane and 2.41×10⁶ for butane, mg/scm.</p>	<input type="checkbox"/>
(4) The performance test shall be conducted in intervals of 5 minutes. For each interval "i", readings from each measurement shall be recorded, and the volume exhausted (V _{esi}) and the corresponding average total organic compounds concentration (C _{ei}) shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted.	<input type="checkbox"/>
(5) The following methods shall be used to determine the volume (V _{esi}) air-vapor mixture exhausted at each interval:	<input type="checkbox"/>
(i) Method 2B shall be used for combustion vapor processing systems.	<input type="checkbox"/>
(ii) Method 2A shall be used for all other vapor processing systems.	<input type="checkbox"/>
(6) Method 25A or 25B shall be used for determining the total organic compounds concentration (C _{ei}) at each interval. The calibration gas shall be either propane or butane. The owner or operator may exclude the methane and ethane content in the exhaust vent by any method (e.g., Method 18) approved by the Administrator.	<input type="checkbox"/>
(7) To determine the volume (L) of gasoline dispensed during the performance test period at all loading racks whose vapor emissions are controlled by the processing system being tested, terminal records or readings from gasoline dispensing meters at each loading rack shall be used.	<input type="checkbox"/>

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Section 60.503 Test methods and procedures. (continued)	<input type="checkbox"/>
(d) The owner or operator shall determine compliance with the standard in §60.502(h) as follows:	<input type="checkbox"/>
(1) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ± 2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.	<input type="checkbox"/>
(2) During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test.	<input type="checkbox"/>
(e) The performance test requirements of paragraph (c) of this section do not apply to flares defined in §60.501 and meeting the requirements in §60.18(b) through (f). The owner or operator shall demonstrate that the flare and associated vapor collection system is in compliance with the requirements in §§60.18(b) through (f) and 60.503(a), (b), and (d).	<input type="checkbox"/>
(f) The owner or operator shall use alternative test methods and procedures in accordance with the alternative test method provisions in §60.8(b) for flares that do not meet the requirements in §60.18(b).	<input type="checkbox"/>
Section 60.504	
Reserved	
Section 60.505 Reporting and recordkeeping.	<input type="checkbox"/>
(a) The tank truck vapor tightness documentation required under §60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection.	<input type="checkbox"/>
(b) The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:	<input type="checkbox"/>
(1) Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27.	<input type="checkbox"/>
(2) Tank owner and address.	<input type="checkbox"/>
(3) Tank identification number.	<input type="checkbox"/>
(4) Testing location.	<input type="checkbox"/>
(5) Date of test.	<input type="checkbox"/>
(6) Tester name and signature.	<input type="checkbox"/>
(7) Witnessing inspector, if any: Name, signature, and affiliation.	<input type="checkbox"/>
(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).	<input type="checkbox"/>
(c) A record of each monthly leak inspection required under §60.502(j) shall be kept on file at the terminal for at least 2 years. Inspection records shall include, as a minimum, the following information:	<input type="checkbox"/>
(1) Date of inspection.	<input type="checkbox"/>
(2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).	<input type="checkbox"/>
(3) Leak determination method.	<input type="checkbox"/>
(4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).	<input type="checkbox"/>
(5) Inspector name and signature.	<input type="checkbox"/>
(d) The terminal owner or operator shall keep documentation of all notifications required under §60.502(e)(4) on file at the terminal for at least 2 years.	<input type="checkbox"/>
(e) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in paragraphs (a), (c), and (d) of this section, an owner or operator may comply with the requirements in either paragraph (e)(1) or (2) of this section.	<input type="checkbox"/>
(1) An electronic copy of each record is instantly available at the terminal.	<input type="checkbox"/>

NSPS PROVISION Location and Language	<input checked="" type="checkbox"/> if APPLICABLE
Section 60.505 Reporting and recordkeeping. (continued)	<input type="checkbox"/>
(i) The copy of each record in paragraph (e)(1) of this section is an exact duplicate image of the original paper record with certifying signatures.	<input type="checkbox"/>
(ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph (e)(1) of this section.	<input type="checkbox"/>
(2) For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by permitting authority representatives during the course of a site visit, or within a mutually agreeable time frame.	<input type="checkbox"/>
(i) The copy of each record in paragraph (e)(2) of this section is an exact duplicate image of the original paper record with certifying signatures.	<input type="checkbox"/>
(ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph (e)(2) of this section.	<input type="checkbox"/>
(f) The owner or operator of an affected facility shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.	<input type="checkbox"/>
Section 60.506 Reconstruction.	<input type="checkbox"/>
For purposes of this subpart:	
(a) The cost of the following frequently replaced components of the affected facility shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital costs that would be required to construct a comparable entirely new facility" under §60.15: pump seals, loading arm gaskets and swivels, coupler gaskets, overfill sensor couplers and cables, flexible vapor hoses, and grounding cables and connectors.	<input type="checkbox"/>
(b) Under §60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified in §60.506(a)) which are or will be replaced pursuant to all continuous programs of component replacement which are commenced within any 2-year period following December 17, 1980. For purposes of this paragraph, "commenced" means that an owner or operator has undertaken a continuous program of component replacement or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of component replacement.	<input type="checkbox"/>