

State of New Jersey
Department of Environmental
Protection Air Quality Permitting
General Permit (GP-004B)
for
Fuel Dispensing Facility
Equipped with a Phase I
Vapor Recovery Control System

This General Permit allows for the construction, installation, reconstruction, modification and operation of the following fuel dispensing facilities:

- **FD-4B-1: Marina gasoline storage tank(s)** equipped with a Phase I vapor recovery control system used exclusively for refueling marine vehicles;
- **FD-4B-2: Airport gasoline storage tank(s)** equipped with a Phase I vapor recovery control system used exclusively for refueling of aircraft;
- **FD-4B-3: Fuel service station gasoline storage tank(s)** equipped with a Phase I vapor recovery control system having an annual facility throughput less than or equal to 20,000,000 gallons;

Each facility may possess only one GP-004B at any time. If a facility wants to add a new source, replace or make changes to an existing source that's already registered under GP-004B, then a new General Permit registration is required. This new General Permit registration will supersede the existing General Permit.

I. DEFINITIONS

The terms used in this General Permit shall have the meanings given to them in N.J.A.C. 7:27 et seq. or as listed below:

Please refer to Subchapter 8 to see the definition of Construction, Installation, Modification and Reconstruction: <http://www.state.nj.us/dep/aqm/Sub8.pdf>

Aircraft means a vehicle capable of flying by aerodynamic forces, such as a helicopter, or airplane.

Bulk gasoline terminal means any gasoline facility which receives gasoline by pipeline, ship or barge, and has a gasoline throughput greater than 75,700 liters per day.

CARB means California Air Resources Board.

CARB-Certified Phase I Enhanced Vapor Recovery system or “CARB-certified Phase I EVR system” means a Phase I vapor recovery system that has been certified by CARB in an Executive Order after February 1, 2001, which Executive Order has not been superseded or disapproved at the time of installation.

Delivery vessel means any vehicle capable of transporting liquid VOC cargo such as gasoline or fuel oil. This term includes, but is not limited to, tank trucks, tank trailers, railroad tank cars, and marine tank vessels.

Department means the New Jersey Department of Environmental Protection.

Discharge means an intentional or unintentional action or omission resulting in the releasing, spilling, leaking, pumping, pouring, emitting, emptying or dumping of a hazardous substance into the waters or onto the lands of the State or into the waters outside the jurisdiction of the State, when damage may result to the lands, waters, or natural resources within the jurisdiction of the State.

Dual-point vapor balance system means a 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. This system utilizes two separate tank ports for delivery and vapor recovery. The first port is the fill port drop tube. (See Figure 4)

E-85 is a fuel blend of 85% ethanol and 15% gasoline that can be used in vehicles specifically designed to use this blend.

Facility means the combination of all structures, building, equipment, storage tanks, source operations, and other operations located on one or more contiguous or adjacent properties owned or operated by the same person.

Fuel Dispensing facilities (includes retail and non-retail service stations) means a facility (Marina, aviation and/or Fuel Service Station) consisting of one or more stationary gasoline storage tanks and / or E-85 together with dispensing devices used to fill vehicle fuel tanks with all grade of gasoline and or E-85 for commercial and non-commercial.

Gasoline means any petroleum distillate or petroleum distillate/oxygenated blend having a Reid vapor pressure of four pounds per square inch (207 millimeters of mercury) absolute or greater, and commonly or commercially known or sold as gasoline.

Gasoline dispensing facility means a stationary facility that dispenses gasoline into the fuel tank of a motor vehicle.

GDF means Gasoline Dispensing Facility.

MACT means Maximum Achievable Control Technology.

Maximum capacity means, with respect to storage vessels, the maximum design capacity of the storage vessel, not the working capacity of the storage vessel.

Onboard refueling vapor recovery system, “ORVR system” or “ORVR” means a vehicle emission control system that captures vapors from the vehicle gasoline tank during refueling. The gasoline tank and fill pipe are designed so that, during the vehicle refueling, vapors in the tank travel to an activated carbon packed canister, which adsorbs the vapor. When the engine is in operation, it draws the gasoline vapors into the engine intake manifold to be used as fuel.

Phase I vapor recovery system means a system that controls vapors during the transfer of gasoline from a delivery vessel to a gasoline dispensing facility vessel. This system is also known as Stage I vapor recovery system or a Stage I vapor control system. (See Figure I). There are two kinds of Phase I Vapor recovery system: dual-point and coaxial.

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 reinjection and continued transportation by pipeline or to other facilities.

Pressure relief valve means a type of pressure relief device which consists of a valve that automatically opens when the pressure within the system exceeds a set level and closes when the pressure drops below that level.

Single Point vapor balance system means a type of vapor balance system in which the storage tank is equipped with one entry port for a gasoline fill pipe and the same port is used as an exit port for vapor recovery. A single-point vapor balance system utilizes a coaxial drop tube that consist of a pipe within a pipe. (See Figure 3).

Submerged fill pipe means a fill pipe whose point of discharge into the receiving vessel is entirely submerged when:

1. The liquid level is no more than six inches (15.2 centimeters) above the vessel bottom;
OR
2. At a facility other than a gasoline dispensing facility, in the case of a top or side-entering fill pipe, when, the liquid level is no more than three times the inside radius of the fill pipe plus five inches (12.7 centimeters), but no more than 42 inches (106.7 centimeters), above the vessel bottom.

Tank means any container whose walls are constructed of material which is rigid and self-supporting. All tanks must have fixed roof.

Unihose means, with respect to a gasoline dispenser at a gasoline dispensing facility, a dispenser that has only one hose and one nozzle per dispenser side which is used for dispensing all grades of gasoline.

Vapor recovery system or vapor control system means a system for preventing the emission of organic vapors into the outdoor atmosphere.

Vapor-tight means not capable of allowing the passage of gases at the pressures encountered.

II. AUTHORITY

This General Permit is issued under the authority N.J.S.A 26:2C-9.2. This General Permit shall allow for inspections and evaluations to assure conformance with all provisions of N.J.A.C. 7:27 et seq. An opportunity for public comment on this General Permit was provided on **November 6, 2017**.

III. APPLICABILITY

This General Permit allows for the construction, installation, reconstruction, modification and operation of the following fuel dispensing facilities:

- **FD-4B-1: Marina gasoline storage tank(s)** equipped with a Phase I vapor recovery control system used exclusively for refueling marine vehicles;
- **FD-4B-2: Airport gasoline storage tank(s)** equipped with a Phase I vapor recovery control system used exclusively for refueling of aircraft;
- **FD-4B-3: Fuel service station gasoline storage tank(s)** equipped with a Phase I vapor recovery control system having an annual facility throughput less than or equal to 20,000,000 gallons;

FIGURE 1: Phase I (Stage I)

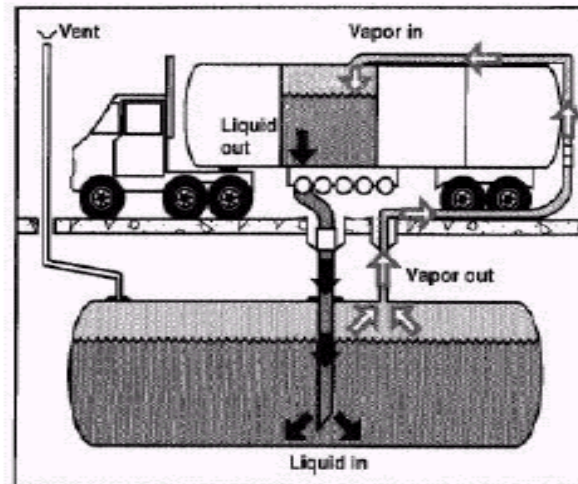


FIGURE 3: One-Point (Coaxial) Delivery

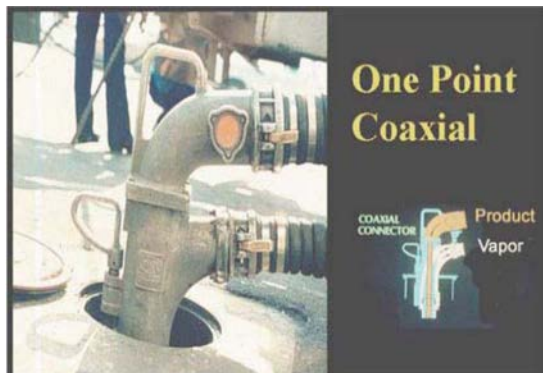


FIGURE 4: Two-Point Delivery (not coaxial)



IV. EXCLUSIONS

This General Permit cannot be used to register the following Facilities or equipment:

1. Fuel Dispensing Facilities equipped with Phase II vapor recovery system. *
2. Storage Tanks dispensing any fuel other than E-85 and/or Gasoline such as but not limited to Diesel, Kerosene and Jet Fuel.
3. Fuel Dispensing Facilities not equipped with Phase 1 vapor recovery system.
4. Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations).
5. Fuel Dispensing Facilities having an annual facility throughput greater than 20,000,000 gallons.

V. SUBMITTAL / CONTACT INFORMATION:

For assistance or contact information please go to one of the following resources:

1. Bureau of Preconstruction Permits at: <http://www.state.nj.us/dep/aqpp/>
2. Underground Storage Tank Enforcement at:
<http://www.nj.gov/dep/srp/bust/>
3. Small Business Assistance Program at: <http://www.nj.gov/dep/aqes/sbap/index.html>

VI. TESTING REFERENCES

Testing reference materials including CARB certification and test procedures CP-201, TP-201.3, TP-206.3B, TP-201.1E, and TP-201.1B are available at <https://www.arb.ca.gov/testmeth/vol2/currentprocedures.htm>

- Static Pressure Performance / TP-201.3 and TP206.3B
- Pressure of Pressure/Vacuum Vent Valves /TP201.1E
- Torque Test / TP-201.1B

VII. COMPLIANCE PLAN

The Equipment covered by this General Permit, as listed on page 1, are listed in the following three compliance plans (FD-4B-1; FD-4B-2 and FD-4B-3):

FD-4B-1: Marina gasoline storage tank(s) equipped with a Phase I vapor recovery control system used exclusively for refueling marine vehicles or

FD-4B-2: Airport gasoline storage tank(s) equipped with a Phase I vapor recovery control system used exclusively for refueling of aircraft

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C 7:27-8.3(j)]	None	None	None
2	Above ground fuel storage tank(s) exposed to the sun's rays must be painted and maintained white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)1]	None	None	None
3	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank meets the requirements of N.J.A.C7:27-16.2.	None	None	None
4	All hoses, piping, connections, fittings and manholes shall be vapor tight and leak free, except when gauging or sampling is performed. [N.J.A.C 7:27-8.13(a)]	None	None	Upon detecting a leak the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufacturer's specifications. The Permittee shall contact the DEP hotline at 1-877- 927-6337 in the event a leak results in a discharge. [N.J.A.C 7:27-8.13(d)]

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>The dispensing devices, associated hoses, and nozzles shall be maintained according to CARB and Manufacturer's specifications.</p> <p>[N.J.A.C 7:27-8.13(a)]</p>	<p>Permittee shall visually inspect the dispensing devices on the days of operation for leaks (liquid or vapor).</p> <p>[N.J.A.C 7:27-8.13(d)]</p>	<p>Permittee shall record in either a logbook or in readily accessible computer memories the dates and results of the inspection on the days of operation and any remedial action taken to repair the leaks. All records must be maintained on site for a minimum of 5 years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-8.13(d)3]</p>	<p>Upon detecting a leak, the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufactures' specifications.</p> <p>[N.J.A.C 7:27-8.13(d)]</p>
6	<p>The annual throughput shall not exceed the gallons of gasoline per consecutive 12 month period year specified by the Permittee in the online registration.</p> <p>[N.J.A.C.7:27-8.13(a)]</p>	<p>Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump once daily. The Permittee shall sum the monthly throughput and the previous eleven (11) months to obtain the annual throughput.</p> <p>[N.J.A.C 7:27-8.13(d)]</p>	<p>Permittee shall record in either a logbook or in readily accessible computer memories, monthly gasoline throughput rates. All records must be maintained on site for a minimum of 5 years and make available to the Department upon request.</p> <p>[N.J.A.C.7:27-16.3(t)1]</p>	None.
7	<p>The transfer of gasoline into an applicable receiving vessel shall be made through a fill pipe whose point of discharge into the receiving vessel is entirely submerged when the liquid level is no more than six inches (15.2 centimeters) above the vessel bottom.</p> <p>[N.J.A.C. 7:27-16.3(c)1.i] and [N.J.A.C. 7:27-16.4(b)]</p>	None	None	None

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	<p>The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank either has a floating roof or is equipped and operating with all of the following Phase I vapor recovery system emission controls:</p> <p>1. A Phase I vapor recovery system that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98 % of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline; and</p> <p>2. A pressure/vacuum relief valve on each atmospheric vent.</p> <p>[N.J.A.C 7:27-16.3 (d)1] and [N.J.A.C 7:27-16.3(d)2]</p>	None	<p>Upon request of the Department, the Permittee shall demonstrate the efficiency of the vapor recovery system in accordance with test procedures or documentation approved by the Department.</p> <p>[N.J.A.C.7:27-16.3(j)10]</p>	None
9	<p>For new facilities installed after December 23, 2017; The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank either has a floating roof or is equipped and operating with the following Phase I vapor recovery system emission control: A CARB-certified Phase I EVR system pressure/vacuum relief vent valve.</p> <p>For a Phase I vapor recovery system installed before December 23, 2017 shall comply with this paragraph upon replacement of the exiting valve. [N.J.A.C 7:27-16.3(d) 3]</p>	None.	None.	None.

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	<p>For new facilities installed after December 23, 2017; The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank either has a floating roof or is equipped and operating with the following Phase I vapor recovery system emission control:</p> <p>A CARB-certified Phase I EVR system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order.</p> <p>A Phase I vapor recovery system installed before December 23, 2017 shall comply with this paragraph upon replacement of CARB certified Phase I EVR system components. However, a Phase I vapor recovery system that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install:</p> <ul style="list-style-type: none"> • a dual point vapor balance system • rotatable adapters <p>[N.J.A.C 7:27-16.3(d) 4]</p>	None	None	None
11	<p>The Permittee shall ensure that during the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle prevents overfilling and spillage and does not allow the transfer of gasoline to continue after the nozzle automatic shut-off point.</p> <p>[N.J.A.C 7:27-16.3 (g)1]</p>	None	None	None
12	<p>For new facilities installed after December 23, 2017; The Permittee shall ensure that each dispensing device that dispenses more than one grade of gasoline utilizes a unihose system for dispensing gasoline.</p> <p>[N.J.A.C 7:27-16.3 (g)2]</p>	None	None	None

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	<p>For new facilities installed after December 23, 2017; The Permittee shall ensure that at a gasoline dispensing facility, each nozzle is a CARB-certified enhanced conventional (ECO) nozzles in accordance with CARB certification procedure CP-207, as amended or supplemented. If no nozzle is CARB-certified at the time of the installation, or nozzle replacement, a conventional nozzle may be installed.</p> <p>A Phase I Vapor recovery system installed before December 23, 2017, shall comply with this paragraph upon nozzle replacement. [N.J.A.C 7:27-16.3 (g)3]</p>	None	None	None
14	<p>For new facilities installed after December 23, 2017; The Permittee shall ensure that at a gasoline dispensing facility, each dispenser hose is a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201, and CP-207 as amended or supplemented.</p> <p>A Phase I Vapor recovery system installed before December 23, 2017, shall comply with this paragraph upon hose replacement [N.J.A.C 7:27-16.3 (g)4]</p>	None	None	None
15	<p>The Permittee of the gasoline dispensing facility shall notify the Department within 14 business days prior to performing any test via email at 14dayUSTnotice@dep.nj.gov and include the name address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the business conducting the testing and the date on which the testing is scheduled to begin. [N.J.A.C.7:27-16.3(j)3]</p>	None	None	None
16	<p>Upon request of the Department, the Permittee shall demonstrate the efficiency of the facility's vapor recovery system in reducing the total applicable VOC emissions released from the facility into the outdoor atmosphere, as required in N.J.A.C.7:27-16.3(d)1, in accordance with test procedures or documentation approved by the Department. [N.J.A.C.7:27-16.3(j)10]</p>	None	None	None

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	<p>Testing Requirements for GDF required to have a vapor recovery system under 16.3(d): Permittee shall conduct and pass a Static Pressure Performance Test pursuant to California Air Resource Board (CARB) TP-201.3 for underground storage tanks or CARB TP-206.3B for aboveground storage tanks, as applicable. https://www.arb.ca.gov/testmeth/vol2/currentprocedures.htm) within 90 days of permit approval and within 90 days of the following changes and at least once in every 12 month period thereafter:</p> <ul style="list-style-type: none"> • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. <p>[N.J.A.C 7:27-16.3(j)]</p>	None	<p>The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <ul style="list-style-type: none"> i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. <p>On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results.</p> <p>All records, including test results, must be maintained on site for at least three years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-16.3(t)2]</p>	<p>Upon failure of the test the Permittee shall:</p> <ul style="list-style-type: none"> i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. <p>Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above.</p> <p>The system shall be repaired and retested in accordance with a compliance plan approved by the Department. [N.J.A.C 7:27-16.3(j)]</p>

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	<p>Testing Requirements for GDF required to have a vapor recovery system under 16.3(d):</p> <p>Permittee shall conduct and pass a Pressure Vacuum Valve Test pursuant to California Air Resource Board (CARB) TP-201.1E (https://www.arb.ca.gov/testmeth/vol2/currentprocedures.htm) within 90 days of permit approval and at least once every 12 months period thereafter and within 90 days of the following changes and at least once in every 12 month period thereafter:</p> <ul style="list-style-type: none"> • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. <p>[N.J.A.C 7:27-16.3(j)]</p>	None	<p>The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <ul style="list-style-type: none"> i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. <p>On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results.</p> <p>All records, including test results, must be maintained on site for at least three years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-16.3(t)2]</p>	<p>Upon failure of the test the Permittee shall:</p> <ul style="list-style-type: none"> i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. <p>Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above.</p> <p>The system shall be repaired and retested in accordance with a compliance plan approved by the Department.</p> <p>[N.J.A.C 7:27-16.3(j)]</p>

FD-4B-3: Fuel service station gasoline storage tank(s) equipped with a Phase I vapor recovery control system having an annual facility throughput less than or equal to 20,000,000 gallons

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C 7:27-8.3(j)]	None	None	None
2	Above ground fuel storage tank(s) exposed to the sun's rays must be painted and maintained white, except that this provision shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [N.J.A.C. 7:27-16.2(b)1]	None	None	None
3	The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank meets the requirements of N.J.A.C.7:27-16.2. [N.J.A.C. 7:27-16.3(d)]	None	None	None
4	All hoses, piping, connections, fittings and manholes shall be vapor tight and leak free, except when gauging or sampling is performed. [N.J.A.C 7:27-8.13(a)]	None	None	Upon detecting a leak the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufacturer's specifications. The Permittee shall contact the DEP hotline at 1-877-927-6337 in the event a leak results in a discharge. [N.J.A.C 7:27-8.13(d)]

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/ Action Requirement
5	<p>The dispensing devices, associated hoses, and nozzles shall be maintained according to CARB and manufacturer's specifications.</p> <p>[N.J.A.C 7:27-8.13(a)]</p>	<p>Permittee shall visually inspect the dispensing devices on the days of operation for leaks (liquid or vapor).</p> <p>[N.J.A.C 7:27-8.13(d)]</p>	<p>Permittee shall record in either a logbook or in readily accessible computer memories the dates and results of the inspection on the days of operation and any remedial action taken to repair the leaks. All records must be maintained on site for a minimum of 5 years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-8.13(d)3]</p>	<p>Upon detecting a leak the Permittee shall immediately take the equipment out of service until the equipment is repaired consistent with manufactures' specifications.</p> <p>[N.J.A.C 7:27-8.13(d)]</p>
6	<p>The transfer of gasoline into an applicable receiving vessel shall be made through a fill pipe whose point of discharge into the receiving vessel is entirely submerged when the liquid level is no more than six inches (15.2 centimeters) above the vessel bottom.</p> <p>[N.J.A.C. 7:27-16.3(c)1.i] and [N.J.A.C. 7:27-16.4(b)]</p>	None	None	None

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/ Action Requirement
7	<p>The transfer of gasoline from any delivery vessel into any applicable stationary storage tank shall only occur if the storage tank either has a floating roof or is equipped and operating with all of the following Phase I vapor recovery system emission controls:</p> <ol style="list-style-type: none"> 1. A Phase I vapor recovery system that reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98 % of the concentration of applicable VOC by volume in the air-vapor mixture displaced during the transfer of gasoline; 2. A pressure/vacuum relief valve on each atmospheric vent. 3. A Carb-certified Phase I EVR system pressure/vacuum relief vent valve. A Phase I vapor recovery system installed before December 23, 2017 shall comply with this paragraph on or before December 23, 2018; and 4. A Carb-certified Phase I EVR system, including a dual point vapor balance system, the components of which shall have been approved in one or more CARB-certified Phase I EVR System executive orders in effect at the time of installation, but the components need not all be approved in the same executive order. A Phase I vapor recovery system installed before December 23, 2017 shall comply with this paragraph on or before December 23, 2024. However, a Phase I vapor recovery system that is using a single point vapor balance system (coaxial) installed before December 23, 2017, is not required to install: <ul style="list-style-type: none"> • a dual point vapor balance system • rotatable adapters <p>[N.J.A.C 7:27-16.3(d)]</p>	None	<p>Upon request of the Department, the Permittee shall demonstrate the efficiency of the vapor recovery system in accordance with test procedures or documentation approved by the Department.</p> <p>[N.J.A.C.7:27-16.3(j)10]</p>	None

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/ Action Requirement
8	A Facility built on or after December 23, 2017, must be equipped with a dual point (no coaxial) vapor recovery control system. [N.J.A.C 7:27-16.3(d)]	None.	None.	None.
9	Each dispenser shall be equipped with breakaways. [N.J.A.C.7:27-8.13(a) and [N.J.A.C.7:27-16.3(f)]	None.	None.	None.
10	The annual throughput shall not exceed the gallons of gasoline per consecutive 12 month period year specified by the Permittee in the online registration. [N.J.A.C.7:27-8.13(a)]	Permittee shall monitor monthly gasoline throughput by inspecting fuel flow totalizer on each pump once daily. The Permittee shall sum the monthly throughput and the previous eleven (11) months to obtain the annual throughput. [N.J.A.C 7:27-8.13(d)]	Permittee shall record in either a logbook or in readily accessible computer memories, monthly gasoline throughput rates. All records must be maintained on site for a minimum of 5 years and make available to the Department upon request. [N.J.A.C.7:27-16.3(t)1]	
11	If the annual throughput of the gasoline dispensing facility is equal to 15 MM Gallons per year or greater as specified by the Permittee in the online registration the stack height above ground shall be 12 ft. or greater. [N.J.A.C.7:27-8.13(a)]	None.	None.	None.
12	The Permittee shall ensure that during the transfer of gasoline into any gasoline-laden vehicular fuel tank, any person refueling a vehicle prevents overfilling and spillage and does not allow the transfer of gasoline to continue after the nozzle automatic shut-off point. [N.J.A.C 7:27-16.3 (g)1]	None.	None.	None.
13	The Permittee shall ensure that at a gasoline dispensing facility that was constructed on or after June 29, 2003, and for which the Department issued a construction permit after June 29, 2003, each dispensing device that dispenses more than one grade of gasoline utilizes a unihose system for dispensing gasoline. [N.J.A.C 7:27-16.3 (g)2]	None.	None.	None.

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/ Action Requirement
14	The Permittee shall ensure that at a gasoline dispensing facility, each nozzle is a CARB-certified enhanced conventional (ECO) nozzles in accordance with CARB certification procedure CP-207, as supplemented or amended. If no nozzle is CARB-certified at the time of the installation, or nozzle replacement, a conventional nozzle may be installed. [N.J.A.C 7:27-16.3 (g)3]	None.	None.	None.
15	The Permittee shall ensure that at a gasoline dispensing facility, each dispenser hose is a CARB-certified low permeation hose in accordance with CARB certification procedures CP-201, and CP-207 as amended or supplemented. [N.J.A.C 7:27-16.3 (g)4]	None.	None.	None.
16	The Permittee of the gasoline dispensing facility shall notify the Department within 14 business days prior to performing any test via email at 14dayUSTnotice@dep.nj.gov and include the name address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information of the business conducting the testing and the date on which the testing is scheduled to begin. [N.J.A.C.7:27-16.3(j)3]	None	None	None
17	Upon request of the Department, the Permittee shall demonstrate the efficiency of the facility's vapor recovery system in reducing the total applicable VOC emissions released from the facility into the outdoor atmosphere, as required in N.J.A.C.7:27-16.3(d)1, in accordance with test procedures or documentation approved by the Department. [N.J.A.C.7:27-16.3(j)10]	None	None	None

<p>18</p>	<p>Testing Requirements for GDF required to have a vapor recovery system under 16.3(d): Permittee shall conduct and pass a Static Pressure Performance Test pursuant to California Air Resource Board (CARB) TP-201.3 for underground storage tanks or CARB TP-206.3B for aboveground storage tanks, as applicable. https://www.arb.ca.gov/testmeth/vol2/currentprocedures.htm) within 90 days of permit approval and within 90 days of the following changes and at least once in every 12 month period thereafter:</p> <ul style="list-style-type: none"> • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. <p>[N.J.A.C 7:27-16.3(j)]</p>	<p>None</p>	<p>The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <ul style="list-style-type: none"> i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. <p>On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results.</p> <p>All records, including test results, must be maintained on site for at least three years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-16.3(t)2]</p>	<p>Upon failure of the test the Permittee shall:</p> <ul style="list-style-type: none"> i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. <p>Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above.</p> <p>The system shall be repaired and retested in accordance with a compliance plan approved by the Department.</p> <p>[N.J.A.C 7:27-16.3(j)]</p>
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Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	<p>Testing Requirements for GDF required to have a vapor recovery system under 16.3(d):</p> <p>Permittee shall conduct and pass a Pressure Vacuum Valve Test pursuant to California Air Resource Board (CARB) TP-201.1E (https://www.arb.ca.gov/testmeth/vol2/currentprocedures.htm) within 90 days of permit approval and at least once every 12 months period thereafter and within 90 days of the following changes and at least once in every 12 month period thereafter:</p> <ul style="list-style-type: none"> • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. <p>[N.J.A.C 7:27-16.3(j)]</p>	None	<p>The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <ul style="list-style-type: none"> i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. <p>On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results.</p> <p>All records, including test results, must be maintained on site for at least three years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-16.3(t)2]</p>	<p>Upon failure of the test the Permittee shall:</p> <ul style="list-style-type: none"> i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the owner and operator, the name and contact information of the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. <p>Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above.</p> <p>The system shall be repaired and retested in accordance with a compliance plan approved by the Department.</p> <p>[N.J.A.C 7:27-16.3(j)]</p>

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submission/Action Requirement
20	<p>Testing Requirements for GDF that has rotatable adapters under 16.3(d).</p> <p>Permittee shall conduct and pass a Torque Test Pursuant to California Air Resource Board (CARB) TP-201.1B (https://www.arb.ca.gov/testmeth/vol2/currentprocedures.htm) within 90 days of permit approval and at least once every 12 months period thereafter and within 90 days of the following changes and at least once in every 12 month period thereafter:</p> <ul style="list-style-type: none"> • replacement of any existing gasoline tank(s), • addition of any new gasoline tank(s), • replacement of any underground vapor return lines, or • change of material stored to gasoline. <p>[N.J.A.C 7:27-16.3(j)]</p>	None	<p>The Permittee shall maintain the following records at the facility and have it accessible to the Department upon request:</p> <ul style="list-style-type: none"> i. Documentation of the performance of each test required which must include date of the test, the time the test was conducted, the name of the testing company, the test method; and ii. Record of each test results of each test performed. <p>On the day of the test, any vapor recovery system corrective action, repairs or equipment replacement shall be recorded with the test results.</p> <p>All records, including test results, must be maintained on site for at least three years and made available to the Department upon request.</p> <p>[N.J.A.C 7:27-16.3(t)2]</p>	<p>Upon failure of the test the Permittee shall:</p> <ul style="list-style-type: none"> i. Notify the Department in writing within 72 hours of the failure. Such notification shall be submitted to the Department by email at 14dayUSTnotice@dep.nj.gov and include in the email, the name, address, and registration number of the facility, name and contact information for the owner and operator, the name and contact information for the business conducting the testing, the date the testing was conducted, and the results of the testing using the forms in the applicable CARB method. ii Have the system repaired and retested within 14 days of failure of the test. <p>Upon failure of the retest the Permittee shall notify the Department in writing within 72 hours of the failure. Such notification shall be submitted by email at 14dayUSTnotice@dep.nj.gov including in the email the same information requested above.</p> <p>The system shall be repaired and retested in accordance with a compliance plan approved by the Department.</p> <p>[N.J.A.C 7:27-16.3(j)]</p>

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	Some of the 40 CFR Part 63 requirements specified below might be less stringent than the State requirements. GDF must comply with the most stringent requirements in this permit. [N.J.A.C 7:27-8.13(a)]	None	None	None
22	For GDF, the Permittee must minimize spills, clean up spills expeditiously; cover gasoline containers and storage tank fill pipes with gasketed seal and minimize gasoline sent to open collection systems. [40CFR Part 63.11117]	None	None	None
23	For GDF constructed on or before November 9, 2006, the transfer of gasoline to the Storage tank shall be made through a Submerged fill pipe permanently affixed to the tank and with a discharge that is no more than 12 inches from the tank bottom. Submerged fill pipes not meeting the 12 inch specification of this section are allowed if the owner or operator demonstrates that the liquid level in the tank is always above the entire opening of the fill pipe. [40CFR Part 63.11117]	None	The Permittee shall retain documentation and provide demonstration that the pipe discharge is no more than 12 inches in either a logbook or computer data system. All records must be maintained on site for a minimum of 5 years and make available to the Department upon request. [N.J.A.C. 7:27-8.13(d)3]	None
24	For GDF constructed after November 9, 2006, the transfer of gasoline to the Storage tank shall be made through a Submerged fill pipe permanently affixed to the tank and with a discharge that is no more than 6 inches from the tank bottom. Submerged fill pipes not meeting the 6 inch specification of this section are allowed if the owner or operator demonstrates that the liquid level in the tank is always above the entire opening of the fill pipe. [40CFR Part 63.11117]	None	The Permittee shall retain documentation and provide demonstration that the pipe discharge is no more than 6 inches in either a logbook or computer data system. All records must be maintained on site for a minimum of 5 years and make available to the Department upon request. [N.J.A.C. 7:27-8.13(d)3]	None

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	For GDF with a monthly throughput greater than or equal to 100,000 gallons of gasoline, all vapor connections and lines on the storage tank shall be equipped with closures that seal upon disconnect. [40CFR Part 63.11118]	None	None	None
26	For GDF with a monthly throughput greater than or equal to 100,000 gallons of gasoline, the vapor line from the gasoline storage tank to the gasoline cargo tank shall be vapor-tight. [40CFR Part 63.11118]	None	None	None
27	For GDF with a monthly throughput greater than or equal to 100,000 gallons of gasoline, the vapor recovery and product adaptors, and the method of connection with the delivery elbow, shall be designed so as to prevent the over-tightening or loosening of fittings during normal delivery operations. [40CFR Part 63.11118]	None	None	None
28	For GDF with a monthly throughput greater than or equal to 100,000 gallons of gasoline, Liquid fill connections for all systems shall be equipped with vapor-tight caps. [40CFR Part 63.11118]	None	None	None
29	For GDF with a monthly throughput greater than or equal to 100,000 gallons of gasoline, Pressure/vacuum (PV) vent valves shall be installed on the storage tank vent pipes. The pressure specifications for PV vent valves shall be: a positive pressure setting of 2.5 to 6.0 inches of water and a negative pressure setting of 6.0 to 10.0 inches of water. The total leak rate of all PV vent valves at an affected facility, including connections, shall not exceed 0.17 cubic foot per hour at a pressure of 2.0 inches of water and 0.63 cubic foot per hour at a vacuum of 4 inches of water. [40CFR Part 63.11118]	None	None	None
30	A GDF with a monthly throughput greater than or equal to 100,000 gallons of gasoline, must be equipped with a dual point (no coaxial) vapor balance system for GDF or tanks constructed after November 9, 2006, and reconstructed GDF. [40CFR Part 63.11118]	None	None	None