Overview

• Applicability  N.J.A.C.7:27-8.2
• Gasoline Transfer Operations  (N.J.A.C.7:27-16.3)
• MACT - Maximum Achievable Control Technology (Federal Rule)  (40 CFR 63.11110 Subpart CCCCCC)
• Permitting Options
  1. General Permit
     • GP-004A
  2. Preconstruction Permits (PCP)
• How do I obtain a General Permit or PCP?
• Questions
Applicability

Based on N.J.A.C. 7:27-8.2 (c), the following sources requires an air permit:

- stationary storage tanks with a capacity of 2,000 gallons or greater and having a vapor pressure of 0.02 PSIA (N.J.A.C. 7:27-8.2(c) 9)
Requirements:

N.J.A.C.7:27-16.3 for Gasoline Transfer Operations

- Stage I Vapor Recovery System for the transfer of gasoline into any stationary storage tank having a maximum capacity of 2,000 gallons; and

- Stage II Vapor Recovery System for the transfer of gasoline into any motor vehicle
Stage I

Bulk transfer of gasoline from the delivery truck to the facility’s storage tank.
Stage II

The transfer of gasoline from facility’s storage tank to the motor vehicle gas tank.
Stage I and Stage II Vapor Recovery Systems

New Jersey requires the installation of Vapor Recovery Systems.

- Stage I Vapor Recovery System - A vapor control system that
  - reduces the total applicable VOC emissions into the outdoor atmosphere by no less than 98% of the applicable VOC by volume
  - Includes a pressure/vacuum relief valve on each atmospheric vent

- Stage II Vapor Recovery System - A vapor control system with 95% reduction in emissions
  - The system prevents overfilling and spillage.
  - The facility shall be certified by CARB, or to choose a system that is equivalent for this purpose.
  - equipped with a check valve in the dispenser nozzle
  - equipped with a splash guard
  - shall utilize a unihose system if it started to dispense after June 29, 2003
When Stage II is not required:

- The facility is located at a marina and used exclusively for the refueling of marine vehicles;
- The vehicle being refueled is an aircraft; or
- Gasoline Dispensing Facility (GDF) has a monthly throughput of less than 10,000 gallons and commenced operation on or before June 29, 2003
Requirements:

- MACT- Maximum Achievable Control Technology 40 CFR 63.11110 Subpart CCCCCC for Gasoline Dispensing Facilities (GDF)

  - MACT Requirements are based on the monthly gasoline throughput of each facility (See next table for requirements)
<table>
<thead>
<tr>
<th>Monthly Throughput</th>
<th>Maximum Achievable Control Technology Requirements (MACT)</th>
<th>Date of Compliance</th>
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<tbody>
<tr>
<td>&lt; 10,000 gallons</td>
<td>• Minimize spills</td>
<td>Existing Facilities (on or before 11/9/2006) shall be in compliance since 1/10/2011 New (after 11/9/2006) or reconstructed comply when you start up</td>
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<td>• Clean up spills expeditiously</td>
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<td>• Cover gasoline containers &amp; storage tank fill pipes with gasketed seal</td>
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<td>• Minimize gasoline sent to open collection systems</td>
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<td>&gt;= 10,000 gallons</td>
<td>• All of the above, plus:</td>
<td>Same as above</td>
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<td>• Loading storage tank using submerged fill with discharge that is no more than the following from the bottom of tank:</td>
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<td>12 inches for pipes (for existing facilities)</td>
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<tr>
<td></td>
<td>6 inches for pipes (for new facilities)</td>
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<tr>
<td>&gt;= 100,000 gallons</td>
<td>• All of the above, plus:</td>
<td>Same as above</td>
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<td>• Operate Stage I installed prior to 1/10/2008, that meets an enforceable State rule which:</td>
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<td></td>
<td>• Achieves an emission reduction of at least 90%, or</td>
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<td>• Meeting the management practices specified below:</td>
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<td>• Equip connections &amp; lines with seal closures</td>
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<td></td>
<td>• Vapor tight line from storage tank to cargo tank</td>
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<td></td>
<td>• Designed to prevent over tight/loose fittings</td>
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<tr>
<td></td>
<td>• Use vapor tight caps for liquid fill connections</td>
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<td></td>
<td>• Install pressure/vacuum vent valves on tank vent pipes</td>
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<td>• Dual-point (no coaxial) vapor balance system for GDF or tanks, constructed after November 9, 2006 and reconstructed GDF</td>
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</table>
Permitting Options for Air permit

Each facility shall apply for a General Permit or a Preconstruction Permit (PCP). A permit allows your facility to construct and/or to operate the significant equipment.

- **General Permit**
  - a pre-approved permit and certificate
  - Fee - $410
  - Valid for 5 years

- **PCP**
  - 30-90 days technical review
  - Fee - $1,755 Per first piece of equipment per initial permit application and $410 Per each additional piece of equipment per initial permit application
  - Valid for 5 years

Note: If Facility doesn’t not has a identification number, completing the following Form; Aims-099 Part A
General Permit for Fuel Dispensing Facilities

- General Permit  http://www.nj.gov/dep/aqpp/gp.html
- GP-004A – Fuel Dispensing Facilities will be available on May 20, 2013 and will replace;
  - GP-004 (GDF equipped with Stage I and Stage II) and
  - GP-014 (GDF equipped with Stage I only)

- Facilities won't be able to renew GP-004 and GP-014 after that date.
GP-004A – Fuel Dispensing Facilities

- FD-4A-1: Marina gasoline storage tank(s) equipped with Stage I vapor control system
- FD-4A-2: Airport gasoline storage tank(s) equipped with Stage I vapor control system
- FD-4A-3: Fuel service station gasoline storage tank(s) equipped with Stage I vapor control system having a monthly facility throughput of less than or equal to 10,000 gallons that commenced operation on or before June 29, 2003 and/or E-85 storage tank(s) equipped with Stage I vapor control system;
- FD-4A-4: Fuel service station gasoline storage tank(s) equipped with Stage I and Stage II vapor control systems having an annual facility throughput of less than or equal to 9,000,000 gallons and/or E-85 storage tank(s) equipped with Stage I vapor control system; OR
- FD-4A-5: Fuel service station gasoline storage tank(s) equipped with Stage I and Stage II vapor control systems with an additional vapor recovery system control having an annual facility throughput of less than or equal to 15,000,000 gallons and/or E-85 storage tank(s) equipped with Stage I vapor control system.
How do I obtain a General Permit?

- The first step is to create a "My New Jersey Account" at: http://www.njdeponline.com/
- Once you have created the account, you will be able to log into NJDEP Online Portal and complete a general permit online.
- If you have questions on General permit online please call General Permit Help Desk at 609-633-2829
How do I obtain a PCP permit?

- To apply for a Preconstruction permits, facility shall use Radius program. To download the program:
  
  http://www.nj.gov/dep/aqpp/radius.html

- Complete your air permit application and submit it online.

- If you have questions on Radius permit applications please contact Robert Darrow at (609) 633-8226
Questions?

- For PCP Permits
  - Mike Adhanom, Supervisor
    - Bureau of Preconstruction Permitting
    - (609) 633-8242 / mike.adhanom@dep.state.nj.us
  - Mayra Reyes
    - Bureau of Preconstruction Permitting
    - (609) 984-6072 / mayra.reyes@dep.state.nj.us

- For General Permits
  - General Permits Help Desk (609)-633-2829