

**State of New Jersey**  
**Department of Environmental Protection**  
**Air Quality Permitting**  
**General Permit (GP-001A)**  
**for**  
**Solid Material Storage Equipment**

This general permit allows for the construction, installation, reconstruction, modification and operation of:

- ◆ Single Solid Material Storage Equipment equipped with a particulate control apparatus having a minimum design removal efficiency of at least 99%, or
- ◆ Multiple Pieces of Solid Material Storage Equipment equipped with a particulate control apparatus having a minimum design removal efficiency of at least 99%.

Each facility may possess only one GP-001A 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-001A, then, a new general permit registration is required. The new general permit registration will supersede the existing general permit.

This general permit includes the operation of a single or multiple solid material storage equipment.

## 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 defined below.

**Mechanical Conveying** means a system of transmission of bulk solids using screw and belt conveyors and bucket elevators.

**Pneumatic Conveying** means a system of transmission of bulk solids by air pressure through a tube.

**Solid Material Storage Equipment** means tanks, silos, reservoirs, containers and bins which are used for the storage of solid particles equipped with particulate control apparatus having a minimum design removal efficiency of 99%, using a pneumatic and/or mechanical conveying system for material handling.

**Reporting Threshold** means the emissions limits of air contaminants listed in N.J.A.C. 7:27-8, Appendix 1, Tables A and B.

## II. AUTHORITY

This GP is issued under the authority N.J.S.A 26:2C-9.2. This general permit shall allow for inspection 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 July 15, 2013.

## III. APPLICABILITY

This general permit allows for the construction, installation, reconstruction, modification and operation of:

- ◆ A single Solid Material Storage Equipment equipped with a particulate control apparatus having a minimum design removal efficiency of at least 99%, or
- ◆ Multiple Pieces of Solid Material Storage Equipment equipped with a particulate control apparatus having a minimum design removal efficiency of at least 99%.

Each facility may possess only one GP-001A 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-001A, then, a new general permit registration is required. The new general permit registration will supersede the existing general permit.

This general permit includes the operation of a single or multiple solid material storage equipment.

#### **IV. EXCLUSIONS**

This general permit shall not be used to register the following equipment:

1. Solid Material Storage equipment controlled solely by a cyclone.
2. Solid Material Storage equipment storing liquid material.
3. Solid Material Storage equipment equipped with particulate control apparatus having a minimum design removal efficiency of less than 99% or with no particulate control at all.
4. Solid Material Storage equipment sharing the same emission point(s) and/or control device(s) with other significant source(s) that are not registered under this general permit.

#### **V. EQUIPMENT/CONTROL DEVICE SPECIFICATIONS**

The Permittee shall retain on site the manufacturer's specifications or engineering calculations for the particulate control apparatus with a minimum design removal efficiency of 99%. Records shall be kept for the life of the general permit. Particulate Control devices capable of achieving such removal efficiencies are baghouses, cartridge filters, and cyclones followed by afterfilters. The Permittee shall maintain the particulate control apparatus consistent with the manufacturer's specifications.

#### **VI. POTENTIAL TO EMIT**

The Potential to Emit (PTE) after control for particulates from equipment permitted under this general permit shall be less than the reporting thresholds in accordance with N.J.A.C. 7:27-8, Appendix 1, Tables A and B.

#### **VII. SUBMITTAL / CONTACT INFORMATION:**

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

1. Air Compliance and Enforcement at:  
<http://www.nj.gov/dep/enforcement/air.html>
2. Small Business Assistance Program at:  
<http://www.nj.gov/dep/sage/sbap>
3. Bureau of Preconstruction Permits at:  
<http://www.nj.gov/dep/aqpp/>

#### **VIII. COMPLIANCE PLAN**

The equipment covered by this general permit is subject to the applicable requirements listed on the following pages.

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
1.	<p>All conditions contained in the document “General Procedures for General Permits” posted at the web page at address, <a href="http://www.nj.gov/dep/aqpp/genproc.htm">http://www.nj.gov/dep/aqpp/genproc.htm</a>, in addition to this Compliance Plan, shall also be subject to enforcement.</p> <p>[N.J.A.C 7:27-8.13(a)]</p>	None	None	None
2.	<p>The Permittee shall ensure all pieces of equipment included in this General Permit are easily identifiable by clear and conspicuous labeling.</p> <p>[N.J.A.C. 7:27-8.13(a)]</p>	None	None	None
3.	<p>Operation of the pieces of 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.</p> <p>[N.J.A.C 7:27-5]</p>	None	None	<p>Any operation of the pieces of equipment which may cause a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare, or the environment or which might reasonably result in citizen complaints shall be reported by the Permittee as required by the Air Pollution Control Act. The Permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at (877) 927-6337</p> <p>[N.J.S.A 26:2C-19(e)]</p>

Item No.	Applicable Requirement	Monitoring Requirement	Record keeping Requirement	Submittal/Action
4.	<p>Maximum No. of Billable Compliance Inspections <math>\leq</math> 2 inspections. The equipment covered by this permit will be subject to inspection fees for the maximum periodic compliance inspections (as defined in N.J.A.C. 7:27-8.1) over the life of the Certificate, after it receives final approval for a five year duration. The permittee will be invoiced for a service fee per inspection pursuant to N.J.A.C. 7:27-8.6 after the periodic compliance inspection is conducted. [N.J.A.C. 7:27-8.13(e)].</p>	None	None	None
5.	<p>The Permittee shall not use the equipment in a manner, which will cause visible emissions, exclusive of visible condensed water vapor, except for a period no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C 7:27-8.13(a)]</p>	None	None	None

<b>Item No.</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Record keeping Requirement</b>	<b>Submittal/Action</b>
6.	Emissions of all air contaminants after control shall be less than the reporting thresholds.  [N.J.A.C.7:27-8.13(h)]	None	Permittee shall keep records of each type of material stored in a manual logbook or computer data system for a minimum of five years.  [N.J.A.C.7:27-8.13(d)]	None
7.	The control device shall be designed to operate at a minimum removal efficiency of 99%.  [N.J.A.C.7:27-8.13(a)]	Review manufacturer's specifications and instructions documents to operate the control device and conduct bag cleaning and replacement on a schedule necessary maintaining the control device accordingly to ensure compliance.  [N.J.A.C. 7:27-8.13(d)]	Permittee shall keep records of the control device manufacturer's specifications and instructions documents for the life of the General Permit  [N.J.A.C. 7:27-8.13(d)]	None
8.	All components connected or attached to, or serving the equipment or control apparatus shall function properly and shall be used in accordance with all conditions and provisions of this general permit.  [N.J.A.C. 7:27-8.3(e)]	None	None	None