

State of New Jersey

Department of Environmental Protection Air Quality Permitting

General Permit (GP-019A) For Temporary Equipment

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

- A single temporary diesel engine 2014 model year and later used solely for mechanical work, that is directly or indirectly connected to another functional equipment, including but not limited to:
 - Cutter;
 - Compressor;
 - Pump;
 - Tub grinder;
 - Rock crusher;
 - Elevator;
 - Conveyor; and/or
 - Screener

This general permit is only valid for one year and **cannot** be renewed. The one-year clock starts with this general permit's approval date; and operation of the temporary equipment is limited to the fuel consumption entered by the Permittee in the registration form.

I. DEFINITIONS

The terms used in this general permit shall have the same definitions in N.J.A.C. 7:27 et seq. and/or as defined below:

“Add-on Emissions Control” means any control apparatus that is added to reduce emissions from the temporary equipment and which is not integrated in the original equipment manufacturer (OEM) design. An emission control strategy using a fuel additive will be treated as an alternative diesel fuel-based strategy.

“Co-Generation Equipment” means equipment that simultaneously produces both electricity and useful heat from one fuel input.

“Construct” or “construction” means to fabricate or erect equipment or control apparatus at a facility where it is intended to be used; but shall not include the dismantling of existing equipment or control apparatus, site preparation, or the ordering, receiving, temporary storage, or installation of equipment or control apparatus. Unless otherwise prohibited by Federal law, this term shall also not include the pouring of footings or placement of a foundation where equipment or control apparatus is intended to be used.

“Fuel Totalizer” means a dedicated measuring and/or monitoring device that totalizes, or sums up, the amount of fuel consumed in a time period. Note: Other combustion sources (including insignificant sources) may be included on a fuel totalizer, but will count towards the amount of fuel consumed and/or any fuel limits a facility may have.

“Fumigation” means the use of gaseous pesticide (fumigant) in order to control and/or eliminate pests. This includes all activities prior to application of fumigant(s), the application of fumigant(s), fumigation period, and post fumigation activities.

“Mechanical Work” means a form of work that is produced by the engine and transferred by mechanical force, such as a pump or an air compressor.

“Modify” or “Modification” means any physical change in, or change in the method of operation of, existing equipment or control apparatus that increases the amount of actual emissions of any air contaminant emitted by that equipment or control apparatus or that results in the emission of any air contaminant not previously emitted. This term shall not include normal repair and maintenance. Also, for the purposes of this definition, “air contaminant” shall have the meaning of “category of air contaminants” in a case where the regulatory limit is placed on a grouping of contaminants (such as VOCs) rather than on a single species of contaminant.

“Rated Power” means the maximum power (HP or kW) the engine is designed to produce per the manufacturing specifications.

“Reconstruction” means the replacement of components of an existing engine or the addition of emissions exhaust controls, with the objective to decrease emissions as compared to emissions when the engine was originally built.

“Temporary” for the purposes of this general permit, means a maximum number of days of one year (365 consecutive days).

“Temporary Equipment” means a single diesel engine 2014 model year and later used solely for mechanical work, that is directly or indirectly connected to another functional equipment, including but not limited to:

- Cutter;
- Compressor;
- Pump
- Tub grinder;
- Rock crusher;
- Elevator;
- Conveyor; and/or
- Screener

II. AUTHORITY

This general permit is issued under the authority N.J.S.A. 26:2C-9.2. This general permit shall allow for inspection and evaluation 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 September 16, 2019.

III. APPLICABILITY

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

- A single temporary diesel engine 2014 model year and later used solely for mechanical work, that is directly or indirectly connected to another functional equipment, including but not limited to:
 - Cutter;
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IV. EXCLUSIONS

This general permit cannot be used to register the following equipment:

1. Any equipment not meeting the Applicability Section (Section III) of this general permit;
2. Temporary equipment attached to a foundation;
3. Temporary equipment at the same facility staying for more than 12 months;
4. Temporary equipment used for short-term activities at the facility that will reoccur on an annual basis (cannot be re-permitted using this general permit, GP-019A);
5. Engines burning other than diesel fuel;
6. Electric power generation equipment or Gensets;
7. Emergency Generators as defined in N.J.A.C. 7:27-19.1;
8. Co-generation equipment;
9. Equipment used in the processing or recycling of food waste materials or sewage sludge;
10. Equipment used in the processing of any contaminated soil and/or contaminated construction wastes above the New Jersey allowed residential site cleanup standards pursuant to N.J.A.C. 7:26D-Last Revised 5/12/1999 or as supplemented or amended;
11. All types of cranes; and
12. Any fumigation activity.

V. EQUIPMENT / CONTROL SPECIFICATIONS

Each component of the temporary equipment must be identified by clear and conspicuous labeling as follows:

1. Equipment manufacturer, model number and a unique serial number; and
2. Engine model year and maximum rated power (kW), per manufacturer's specifications.

The Permittee shall maintain and operate the temporary diesel engine in a manner consistent with good air pollution control practice for minimizing emissions. The temporary diesel engine and control device shall be maintained according to the manufacturer's specifications.

The diesel-fired engine 2014 model year and later must use diesel fuel with the maximum

sulfur content of 15 parts per million by weight (0.0015%) and must keep records of diesel fuel sulfur content.

VI. POTENTIAL TO EMIT

The potential-to-emit (PTE) for the temporary diesel engine covered under this general permit is established using EPA compression-ignition engine emission factors for 2014 model year and later, and is based on the maximum fuel consumption entered by the Permittee in the registration form. The calculated PTE for NOx emissions must be less than (<) 5 tons per year.

VII. SUBMITTAL / CONTACT INFORMATION

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

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

VIII. COMPLIANCE PLAN

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

COMPLIANCE PLAN: Temporary Equipment

Ref. #	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p>In addition to this Compliance Plan, all conditions contained in the document “General Procedures for General Permits” posted at the web page address’ https://www.state.nj.us/dep/aqpp/downloads/general/GeneralProcedures.pdf are enforceable.</p> <p>[N.J.A.C.7:27-8.13(a)]</p>	None.	None.	None.
2	<p>The Permittee shall not use the temporary equipment in a manner which will cause visible emissions, exclusive of visible condensed water vapor, except for a period of no more than 3 minutes in any consecutive 30-minute period.</p> <p>[N.J.A.C. 7:27-8.13(a)]</p>	None.	None.	<p>Notify by phone: Upon occurrence of event.</p> <p>If visible emissions are observed, refer to operator manual for corrective action. If corrective action fails to correct visible emissions within 24 hours of observation, the Permittee shall immediately report the incident to the Department by calling the Environmental Action Hotline at (877) 927- 6337.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p>

Ref. #	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	<p>This temporary 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 Permittee has exclusive use or occupancy.</p> <p>[N.J.A.C. 7:27-5]</p>	None.	None.	<p>Notify by phone: Upon occurrence of event.</p> <p>Any operation of the 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 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>
4	<p>The Permittee shall ensure temporary equipment included in this General Permit is easily identifiable by clear and conspicuous labeling, including manufacturer name, model number, unique serial number, engine model year and engine maximum rated power (kW), per manufacturer's specifications.</p> <p>[N.J.A.C. 7:27-8.13(a)]</p>	None.	None.	None.

Ref. #	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	<p>Maximum No. of Billable Compliance Inspections \leq 4 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. 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.</p> <p>[N.J.A.C. 7:27-8.13(e)]</p>	None.	None.	None.
6	<p>The Permittee shall maintain and operate the temporary diesel engine in a manner consistent with good air pollution practice for minimizing emissions. The temporary diesel engine and control device shall be maintained according to the manufacturer specifications.</p> <p>[N.J.A.C. 7:27-8]</p>	None.	None.	None.
7	<p>This general permit is only valid for one year and cannot be renewed.</p> <p>[N.J.A.C. 7:27-8.13(a)]</p>	None.	None.	None.
8	<p>Stack Height should be equal to or greater than ($= >$) 10 feet; and Distance to Property Line equal to or greater than ($= >$) 50 feet.</p> <p>[N.J.A.C 7:27-8]</p>	None.	None.	None.

Ref. #	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	<p>The maximum allowable sulfur content for any diesel fuel being fired in the temporary equipment shall be less than or equal to (\leq) 15 ppmw (parts per million by weight) (0.0015%).</p> <p>[N.J.A.C 7:27-8]</p>	<p>Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p>	<p>Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content.</p> <p>The Permittee shall keep records of diesel fuel sulfur content. All records shall be maintained on site and made readily accessible to the Department upon request.</p> <p>[N.J.A.C 7:27-8.13(d)]</p>	None.
10	<p>Compliance with the annual emission limit for each criteria air contaminant; and each HAP contaminant emitted above the reporting threshold listed in Subchapter 17 shall be based on the maximum annual fuel consumption. Permittee shall comply with the fuel limit entered in the registration form.</p> <p>[N.J.A.C. 7:27-8.13(h)]</p>	<p>Monitored by fuel flow firing rate instrument continuously, based on a consecutive 12-month period (rolling 1-month basis). The Permittee shall install and operate fuel totalizer(s) to monitor the total amount of fuel burned.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The Permittee shall record:</p> <ol style="list-style-type: none"> 1. Current reading from the fuel totalizer(s). 2. Monthly fuel usage. 3. Sum and record the current monthly fuel usage with the previous eleven (11) month fuel usage totals to determine the consecutive twelve (12) month total. <p>All records shall be maintained on site and made readily accessible to the Department upon request.</p> <p>[N.J.A.C 7:27-8.13(d)]</p>	None.