

State of New Jersey

Department of Environmental Protection
Air Quality Permitting

General Permit (GP-013A)

for

Non-HAP Dry-cleaning Equipment

This General Permit allows for the construction, installation, reconstruction, modification and operation of

- Single or multiple Non-HAP Dry-to-Dry cleaning machine(s) where the combined amount of Non-HAP solvent purchased is less than 1,000 gallons per 12-consecutive month period.

The potential to emit (PTE) for the equipment covered under this general permit is based on the 1,000 gallons of Non-HAP solvent purchased per 12-consecutive month period.

Each facility may possess only one GP-013A at any time. If a facility wants to change the solvent options, add a new source, replace or make changes to an existing source that's already registered under GP-013A, then, a new general permit registration is required. The new general permit registration will supersede the existing general permit.

I. DEFINITIONS

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

“Department” means the New Jersey Department of Environmental Protection.

“Diverter valve” means a flow control device that prevents room air from passing through a refrigerated condenser when the door of the dry-cleaning machine is open.

“Dry cleaning” means the process of cleaning articles using Non-HAP solvent

“Dry-cleaning cycle” means the washing and drying of articles in a dry-to-dry machine

“Dry-cleaning equipment” or “Dry-cleaning machine” means a dry-to-dry machine, located at a commercial establishment, used for cleaning textiles or garments, in which the cleaning agent is a chemical or petroleum solvent.

“Dry-cleaning facility” means an establishment with one or more dry cleaning systems

“Dry-to-dry machine” means a one machine dry cleaning operation in which washing and drying are performed in the same machine.

“Filter” means a porous device through which solvent is passed to remove contaminants in suspension. Examples include, but are not limited to, lint filter (button trap), cartridge filter, tubular filter, regenerative filter, pre-filter, polishing filter, and spin disc filter.

“HAP” or “Hazardous Air Pollutant” means an air contaminant listed in or pursuant to 42 U.S.C. §7412(b) or N.J.A.C.7:27-17.

“Maximum Achievable Control Technology standard (MACT)” means a National Emission Standard for a Hazardous Air Pollutant (NESHAP) establishing an emission limitation for a specific category or subcategory of facilities which emit one or more hazardous air pollutants (HAPs), which NESHAP is:

1. Promulgated by EPA pursuant to 42 U.S.C. § 7412; or
2. Determined by the Department on a case -by-case basis pursuant to 42 U.S.C § 7412(g) or (j).

“Muck cooker” means a device for heating solvent-laden waste material to volatilize and recover solvent.

“Non-HAP solvent consumed” means the total volume of Non-HAP solvent purchased based upon purchase receipts or other reliable measures

“NSPS” means Standards of Performance for New Stationary Sources as promulgated under 40 CFR 60, commonly referred to as New Source Performance Standards.

“Perceptible leaks” mean any solvent vapor or liquid leaks that are obvious from:

- (1) The odor of solvent;
- (2) Visual observation, such as pools or droplets of liquid; or
- (3) The detection of gas flow by passing the fingers over the surface of equipment.

“Potential to Emit” or “PTE” means the maximum aggregate capacity of equipment to emit an air contaminant under its physical and operational design. Equipment-related fugitive emissions shall be included in the determination of potential to emit. For the purpose of this General Permit, physical and operational limitations on the capacity of equipment or the emission of an air contaminant, including any limitation on fugitive emissions, as part of an approved permit/certificate, are not considered part of its design.

“Solvent” means a cleaning agent which is a chemical or petroleum solvent considered as a VOC or a non-HAP.

“Still” means any device used to volatilize and recover solvent from contaminated solvent.

“Volatile organic compound” or “VOC” means a volatile organic compound as that term is defined by the EPA at 40 CFR 51.100(s), as supplemented or amended, which is incorporated by reference herein.

II. AUTHORITY

This General Permit is issued under the authority of 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 June 4, 2018.

III. APPLICABILITY

This General Permit allows for the construction, installation, reconstruction, modification and operation of

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Each facility may possess only one GP-013A 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-013A, then, a new general permit registration is required. The new general permit

registration will supersede the existing general permit.

IV. EXCLUSIONS

This General Permit shall not be used for the following equipment:

1. Any Perchloroethylene (PERC) Dry Cleaning equipment.
2. Dry-cleaning facility purchasing more than 1000 gallons of Non-HAP solvent per 12-consecutive month period
3. Any dry-cleaning equipment using N-propyl bromide (n-PB) also known as 1-bromopropane as a solvent.
4. Any transfer machines (non dry-to dry)
5. Any dry-cleaning equipment subject to NSPS.
6. Any dry-cleaning equipment subject to MACT.

V. EQUIPMENT SPECIFICATIONS

- Upon request by the Department, the Permittee shall make available all Non-HAP Solvent purchases records made in each of the previous 12 months.
- The Permittee shall maintain records of the manufacturer specifications for each equipment.

VI. POTENTIAL – TO – EMIT

The air contaminant potential to emit (PTE) of the dry-cleaning machine(s) at 1,000 gallons of non-HAP solvent shall be less than 4.25 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 page.

COMPLIANCE PLAN: Non-HAP Solvent Dry-cleaning Operations

| Ref. # | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|--------|---|------------------------|---------------------------|---|
| 1. | <p>All conditions contained in the document “General Procedures for General Permits” posted at the web page address, http://www.nj.gov/dep/aqpp/genproc.htm 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>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.</p> <p>[N.J.A.C. 7:27-5]</p> | None. | None. | <p>Notify by phone: Upon occurrence of event. 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, of the environment or which might reasonably result in citizen complaints shall be reported by the Permittee as required by the Air Pollution Control Act. Such Notification shall be made immediately by calling the Environmental Action Hotline at (877) 927-6337.</p> <p>[N.J.S.A. 26:2C-19(e)]</p> |
| 3. | <p>The permittee shall ensure all dry-cleaning machines 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. |
| 4. | <p>No Visible Emissions, exclusive of condensed water vapor, except for 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. | None. |

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|--------|--|------------------------|--|------------------------------|
| 5. | <p>Maximum No. of Billable Compliance Inspections <= 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 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.</p> <p>[N.J.A.C.7:27-8.13(e)]</p> | None. | None. | None. |
| 6. | <p>The Permittee shall maintain SDS (safety data sheets) records of solvents used by the dry-cleaning equipment.</p> <p>[N.J.A.C. 7:27-8.13(a)]</p> | None. | <p>The permittee shall keep records of solvents usage in the dry-cleaning equipment.</p> <p>The Permittee shall keep copies of SDS or equivalent documentation from the supplier.</p> <p>Records are to be maintained on-site for at least five years and be made readily available upon request by the Department.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p> | None. |
| 7. | <p>All dry-cleaning equipment registered by this General Permit must be dry-to-dry machines.</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 |
|--------|--|---|--|---|
| 8. | <p>The Non-HAP Solvent purchased at the facility shall not exceed 1,000 gallons per 12-consecutive month period for all the dry-cleaning equipment.</p> <p>[N.J.A.C. 7:27-8.13(a)]</p> | <p>Non-HAP Solvent purchase records shall be monitored each month during operation. The Permittee shall calculate the 12-consecutive month period purchase on the first day of every month by summing the volume of all Non-HAP Solvent purchase in each of the previous 12 months for all the dry-cleaning equipment (use a purchase of zero for months in which there were no Non- HAP Solvent purchases).</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 of solvent purchased each month during operation. The Permittee shall maintain the following information:</p> <ol style="list-style-type: none"> (1) Receipts of Non-HAP Solvent purchases at the facility for all the dry-cleaning equipment; (2) The date and volume of non-HAP Solvent purchased; and (3) The calculation and result of the 12-consecutive month period Non-HAP Solvent purchases at the facility for all the dry-cleaning equipment. <p>All records must be readily accessible and available to the Department for a period of five years.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p> | <p>Notification: Upon exceeding 1,000 gallons in any 12-consecutive month period, the Permittee shall call the DEP hotline at 1-877-927-6337 and at minimum provide the following information:</p> <ul style="list-style-type: none"> • Facility Program Interest # • Facility Name • Reporter Name • Date and time of incident • Description of non-compliance <p>[N.J.A.C. 7:27-8.13(d)]</p> |

| Ref. # | Applicable Requirement | Monitoring Requirement | Recordkeeping Requirement | Submittal/Action Requirement |
|--------|--|---|--|---|
| 9. | <p>The Permittee shall inspect the dry-cleaning equipment each calendar week during operation for any perceptible leaks including but not limited to:</p> <ol style="list-style-type: none"> 1. Hose and pipe connections, fittings, couplings, and valves; 2. Filter gaskets and seatings; 3. Door gaskets and seatings; 4. Pumps; 5. Solvent tanks and containers; 6. Water separators; 7. Muck cookers; 8. Stills; 9. Exhaust dampers; 10. Diverter valves; 11. Cartridge filter housings; and 12. Settling tanks. <p>[N.J.A.C. 7:27-8.13(a)]</p> | <p>Inspect the dry-cleaning equipment each calendar week during operation for any perceptible leaks.</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 of the inspection results each calendar week during operation.</p> <p>The Permittee shall maintain a log of the following:</p> <ul style="list-style-type: none"> • dates of inspections, • the locations of any perceptible leaks found and • the corrective measures taken to repair such leaks. <p>All records must be kept and made readily accessible and available to the Department for a period of five years.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p> | <p>Repair equipment: Upon occurrence of event.</p> <p>The Permittee shall immediately take the equipment out of service until all perceptible leaks of the dry-cleaning equipment are repaired consistent with the manufacturer's specification.</p> <p>[N.J.A.C. 7:27-8.13(d)]</p> |
| 10. | <p>The Permittee shall drain all cartridge filters in their housing, or other sealed container, for a minimum of twenty-four (24) hours, or shall treat such filters in an equivalent manner, before the removal from the dry-cleaning facility.</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 |
|-------------------|--|-------------------------------|----------------------------------|--|
| 11. | The Permittee shall store any Non-HAP Solvent or material containing Non-HAP Solvent in covered containers with no perceptible leaks. [N.J.A.C. 7:27-8.13(a)] | None. | None. | Repair equipment: Upon occurrence of event. The Permittee shall immediately repair all perceptible leaks of the containers. [N.J.A.C. 7:27-8.13(d)] |