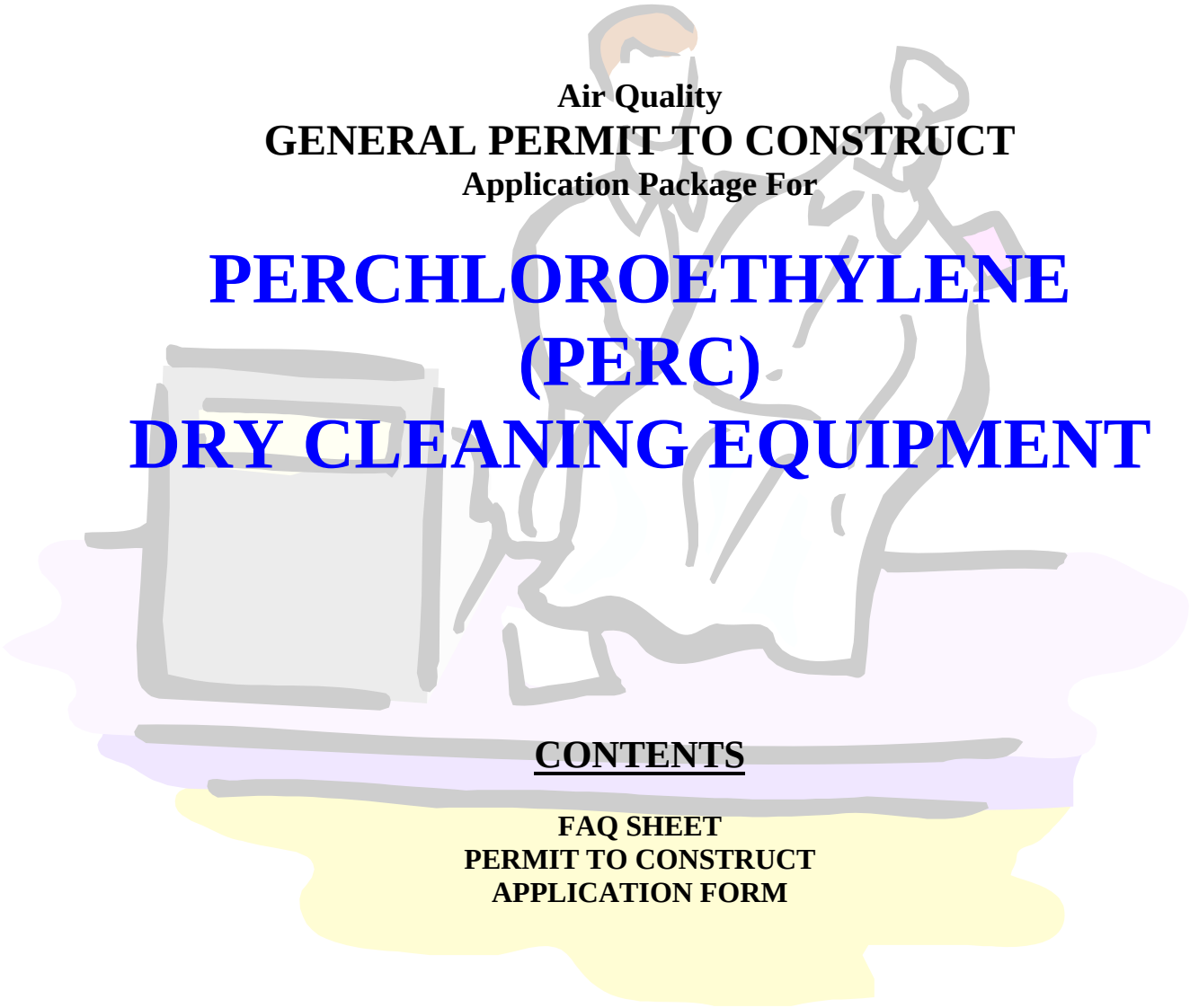
MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION MANAGEMENT ADMINISTRATION
1800 WASHINGTON BLVD, STE 720
BALTIMORE, MARYLAND 21230-1720



Air Quality

GENERAL PERMIT TO CONSTRUCT

Application Package For

PERCHLOROETHYLENE (PERC) DRY CLEANING EQUIPMENT

CONTENTS

FAQ SHEET
PERMIT TO CONSTRUCT
APPLICATION FORM

February 18, 2010

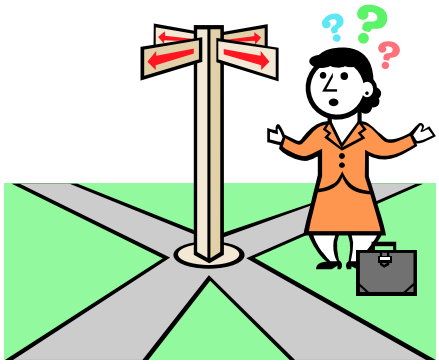
Department of the Environment

Facts About…

Perc Dry Cleaning General Permit

Purpose of this Fact Sheet – This fact sheet outlines basic information regarding the General Permit to Construct, frequently asked questions and instructions on how to request coverage under the General Permit to Construct for Perc Dry Cleaning Equipment. The fact sheet is not a permit and should be used as a guide only. For additional information on specific regulatory and administrative requirements, see the General Permit to Construct document for Perc Dry Cleaning Equipment or contact the Maryland Department of the Environment, Air and Radiation Management Administration at (410) 537-3230.

All installations, which are potential sources of air pollution, are regulated and require a permit or approval from the Maryland Department of the Environment ("the Department"), except those installations that are specifically exempt under the State's Air Quality Regulations, Code of Maryland Regulations (COMAR) 26.11.02.10. To allow faster processing of permits, the Department has decided to regulate certain small stationary source installations through the issuance of Air Quality General Permits to Construct.



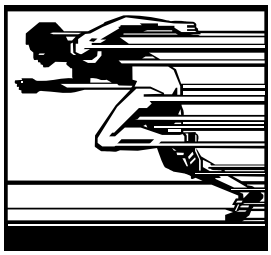
1. Do I need a permit for a perc dry cleaning machine?

YES! No matter how small it is, or how little you use it, you need a permit for each perc dry cleaning machine.

2. What about those new non-perc machines, do they need a permit?

As a rule, no, they do not need a permit. CO2, silicone, water, DF2000 and many other types are exempt from the permitting process. Contact the Department at (410) 537-3230 to ask about a specific machine.

3. What's special about this general permit?



It's fast and easy. It only takes about 10-15 minutes to fill out the application. If you can stay within the limits of the general permit, it's the way to go!

It's an instant permit. When you send in the application with payment, the permit is in effect that moment. We will send you an acknowledgement letter in a few weeks. With the regular permit application, it can take up to 90 days to get your permit. And the dry cleaning machine cannot be installed or operated until you have your permit.

4. What's it cost?

$500 per dry cleaning machine. Tandem machines are permitted as two individual machines.

5. What are the limits of the general permit?

Your dry cleaning business must:

- Use less than 450 gallons of perc per year;
- Have only dry-to-dry type machines;
- Not be co-residential;

6. What if I outgrow the general permit?

You will need to obtain a regular permit before you outgrow the general permit. Contact the Department at (410) 537-3230 to request the application forms. Or, you can download them at http://www.mde.state.md.us/Permits/AirManagementPermits/ptc/index.asp Call us, and we'll gladly help you fill the forms out.

7. What's this co-residential stuff?

On July 27, 2006 the EPA finalized revised regulations for perc drycleaners. Part of the revision included the total elimination of emissions on machines in a co-residential building, effectively banning them This means if there is an apartment or dwelling anywhere in the building, new dry cleaning machines cannot be installed, and all old ones must be removed by 2020.

8. Carbon adsorption?

All machines installed after December 21, 2005 must have non-vented carbon adsorption in addition to a refrigerated condenser.

9. Testing & Inspections?

The revised regulations for perc drycleaners include the additional requirement of monthly inspections of the outside of the machine with testing equipment.

All machines installed after December 21, 2005 must have this monthly inspection done on them now.

All machines installed before December 21, 2005 have until July 27 2008 to comply with this requirement.

10. Special Testing Equipment?

The monthly inspection of the outside of the system can be done with a PCE gas analyzer or a halogenated hydrocarbon detector.

Here are the definitions of these pieces of test equipment, straight from the EPA regulations.

- *PCE gas analyzer* means a flame ionization detector, photoionization detector, or infrared analyzer capable of detecting vapor concentrations of perc of 24 parts per million by volume.
- *Halogenated hydrocarbon detector* means a portable device capable of detecting vapor concentrations of perc of 25 parts per million by volume and indicating a concentration of 24 parts per million by volume or greater by emitting an audible or visual signal that varies as the concentration changes

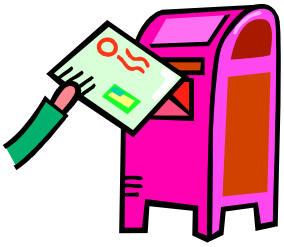
11. Where can I find these new EPA regulations?

At http://www.epa.gov/ttn/atw/dryperc/dryclpg.html .

12. How do I apply for a General Permit?

In order to obtain coverage, you must get a General Permit to Construct Package from the Department and complete the included Request for Coverage Form. You can get a General Permit to Construct package from the Department by:

- Calling the Department at (410) 537-3230
- Downloading it from the Department's web site at http://www.mde.state.md.us/Permits/AirManagementPermits/Air_Permit/index.asp
- Writing to the Department at:
  Maryland Department of the Environment
  Air and Radiation Management Administration
  1800 Washington Blvd, STE 720
  Baltimore, MD 21230-1720



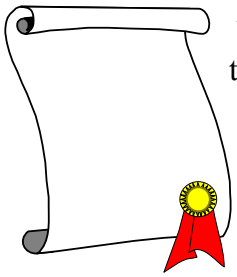
- Fill out the Request for Coverage form completely,
- Make a check ($500 per machine) payable to MDE Clean Air Fund, and
- Submit the Request for Coverage form with the payment to:
  MDE/ARMA
  PO Box 2037
  Baltimore, MD 21203-2037

The rest of the General Permit to Construct Package, including the General Permit document, should be kept for your own site records.

13. When will my coverage begin?

Coverage will begin on the day that you submit a complete application with full payment. If the application is incomplete, inaccurate or if the permit fee is not paid, coverage under the General Permit will be considered void. You will also not be covered if your facility does not meet the restrictions of this General Permit.

14. Will I receive a Permit to hang on the wall?



No, you will not receive a permit to hang on the wall. Your copy of the permit is included in the application package. It's the bordered pages.

A few weeks after you send in your application we will send you a letter acknowledging the receipt of your application and fee payment. Retain a copy of this notification letter with the General Permit to Construct document and verification of your payment for your own site records.

If you have additional questions, please call the Department at (410) 537-3230.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR QUALITY GENERAL PERMIT TO CONSTRUCT FOR PERCHLOROETHYLENE (PERC) DRY CLEANING EQUIPMENT

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Part I Applicability

A This general permit applies only to dry cleaning facilities that:

(1) Use no more than 450 gallons of perc per year;

(2) Are not in a co-residential building; and

(3) Have only dry-to-dry type machines.

Part II Specific Requirements for Dry Cleaning Installations

A Operating requirements

(1) ***The Permittee is limited to a facility wide perc usage of 450 gallons per rolling 12 month period.***

(2) Machine doors shall be kept closed except when transferring clothes.

(3) The refrigerated condenser shall:

(a) Have the air stream in each machine routed through it;

(b) Not vent or release to the atmosphere while the drum is rotating; and

(c) Prevent the flow of air through the condenser while the door is open.

(4) The carbon adsorber shall be desorbed in accordance with manufacturer's instructions.

(5) Cartridge filters shall be drained into their housing or another sealed container for at least 24 hours before disposal.

(6) Perc and perc waste shall be stored in tightly sealed containers that do not leak.

(7) Containers for separator water may be uncovered, as necessary, for proper operation of the machine and still.

(8) The dry cleaning machines shall be operated and maintained as per manufacturers specifications, instructions, and recommendations.

B **Location requirements**

(1) New perc dry-to-dry machines shall not be installed in co-residential building.

(2) Residential units do not need to be occupied for the building to be considered co-residential.

(3) Zoning allowing for co-residential use, even if no residential units are present, is considered co-residential.

(4) Existing perc dry-to-dry machines already installed in co-residential buildings must eliminate all perc emissions by December 21, 2020.

C **Equipment requirements**

(1) All perc dry-to-dry machines installed on or after September 22 1993 must have a refrigerated condenser.

(2) All perc dry-to-dry machines installed on or after December 21 2005 must have a non-vented carbon adsorber.

(3) Testing Equipment Requirements

All facilities with a perc dry-to-dry machine installed on or after December 21, 2005 must have either a:

(a) PCE gas analyzer; or,

(b) Hydrocarbon detector.

(4) Facilities that have existing perc dry-to-dry machine(s) installed before December 21, 2005, and no newer perc dry cleaning machines, have until July 28, 2008 to comply with the testing equipment requirements of permit condition (3) above.

D **Inspection requirements**

(1) Each week, the dry cleaning system shall be inspected while operating for perceptible leaks. A perceptible leak is one can be seen, felt, or smelled.

(2) Each month, the dry cleaning system shall be inspected while operating for vapor leaks. A vapor leak is a perc leak exceeding 25 parts per million.

(a) This monthly vapor leak inspection shall be conducted with either a halogenated hydrocarbon detector or PCE gas analyzer that is operated in accordance to the manufacturers instructions.

(b) The probe inlet shall be placed at the surface of each joint where components are joined, and moved slowly along the entire joint.

(3) The monthly vapor leak inspection satisfies the weekly perceptible leak inspection requirements for the week it was conducted.

(4) The following components shall be inspected:

(a) Hose and pipe connections, fittings, couplings, and valves;
(b) Door gaskets and seatings;
(c) Filter gaskets and seatings;
(d) Pumps;
(e) Solvent tanks and containers
(f) Water separators;
(g) Muck cookers;
(h) Stills;
(i) Exhaust dampers;
(j) Diverter valves; and
(k) All filter housings.

(5) Facilities that have existing perc dry-to-dry machine(s) installed before December 21, 2005, and no newer perc dry cleaning machines, have until July 28, 2008 to comply with the vapor leak inspection requirements of permit condition (2) above.

E Testing and monitoring requirements

(1) Weekly testing and monitoring of the refrigerated condenser.

(a) The high and low refrigeration pressure during the drying phase shall be measured to determine if they are in the range specified in the manufacturer's operating instructions, or.

(b) Direct measurements, consisting of the following:

(i) The temperature of the air stream exiting the refrigerate condenser shall be measured.

(ii) The temperature sensor shall be designed to measure a temperature of 45 degrees F.

(iii) The temperature sensor shall have an accuracy of plus or minus 2 degrees F.

(iv) The temperature sensor shall be used according to the manufacturer's instructions.

F **Repair requirements**

(1) Leaks shall be repaired within 24 hours.

(2) If the refrigerated condenser pressure values are out of manufacturers specifications, or the exit temperature exceeds 45 degrees F, adjustments or repairs shall be made to meet those values within 24 hours.

(3) If repair parts are needed, the parts must be:

(a) Ordered within 2 working days, and

(b) Installed within 5 working days of receipt.

G **Recordkeeping requirements**

(1) A log of the following information shall be maintained on site and shown to an inspector upon request for a period of five years:

(a) Monthly purchases of perc, including zero if no perc was purchased;

(b) Calculated yearly perc consumption from the monthly purchase record;

(c) Dates of weekly perceptible leak inspection and results;

(d) Dates of weekly refrigerator condenser tests and results;

(e) Date of monthly vapor leak inspection and results;

(f) Dates of repairs (parts ordering and installation) or adjustments; and

(2) Operating manuals for each dry cleaning machine, control device, and monitoring equipment.

(3) Design specifications for each dry cleaning machine and control device.

(4) When calculating yearly perc consumption the owner or operator shall on the 1st day of each month:

(a) Sum the volume of all perc purchases made in each of the previous 12 months;

(b) Record a monthly consumption of zero for any month when no perc purchases were made; and

(c) Calculate the total sum of the yearly perc consumption at the facility.

Part III General Requirements:

A Incorporation of Request for Coverage into permit

This permit includes the completed one page Request for Coverage, which serves as the application for the permit. If there is any conflict between the specific and general requirements (Parts II and III) and the Request for Coverage, the specific and general requirements take precedence. If there is any conflict between the specific and general requirements, the specific requirements take precedence.

B Effective Date/Failure to Pay Fee

This permit is effective on the date that the Request for Coverage is completed and the permit fee is paid to the Department. If the fee is paid by check or money order and mailed to the Department, the fee is considered to be paid on the date of mailing. If the fee is paid to the Department by any manner other than by mailing a check or money order, the effective date of the permit is the date the Department receives payment. If a check or money order does not clear for any reason, the permittee will be given 30 days to make proper payment including any interest and other charges that are due. If payment is not made within this time, the permit shall be considered to have been void from the outset. In order to establish the effective

date of a permit, the permittee should save the canceled check or money order receipt, a copy of the Request for Coverage, and related documents. These documents shall be provided to the Department on request.

C Applicant

The applicant for this permit shall be the legal entity or individual that, owns or operates the proposed source for which a permit to construct is required. After the permit is effective, the applicant may be referred to as the "permittee."

D Location of Source

This permit authorizes the permittee to construct and operate the installation or other source described in the Request for Coverage at the installation or other location described in the application. The permit is not valid for any other source at the described location nor is it valid for the described source at any other location.

E Duration

This permit expires as determined in writing by the Department, if:

(1) substantial construction or modification is not commenced within 18 months after the effective date of the permit;

(2) construction or modification is substantially discontinued for a period of 18 months after it has commenced; or

(3) construction or modification of the source for which the permit was issued is not completed within a reasonable period after the effective date of the permit.

F Permit to be Available

The permittee shall maintain this permit at the location for which the permit was issued, unless it is clearly impractical to do so, and shall make the permit immediately available to authorized representatives of the Department upon request.

G Other Permits may be Needed

This permit does not constitute a permit for any activity other than expressly authorized by this permit.

H Permit Not Transferable

This permit is not transferable. The permittee should provide a copy of this permit to any subsequent owner or operator. The subsequent owner or operator should contact the Department to determine if a new permit is required. The provisions of COMAR 26.11 apply to the subsequent owners or operators whether or not the source is covered by a permit.

I Compliance with all Laws and Regulations

This permit does not authorize violation of any law or regulation. The permittee shall at all times comply with all applicable laws and regulations, including:

(1) the Maryland Ambient Air Quality Control statute. Annotated Code of Maryland, Environment Article, §§2-101 et seq.;

(2) Maryland air pollution control regulations. Code of Maryland Regulations (COMAR) 26.11, as amended by the Maryland Register;

(3) the Federal Clean Air Act. 42 United States Code (U.S.C.) §§7401 et seq.;

(4) federal air pollution control regulations. 40 Code of Federal Regulations (CFR) Parts 50-99, as amended by the Federal Register.

J Odors and Other Nuisances

This permit does not authorize construction or operation in a manner that unreasonably interferes with the proper enjoyment of the property of other persons, such as by causing unreasonable odors, or by otherwise creating air pollution.

K Workers' Compensation Act

Submission of the application for this permit constitutes certification that the applicant is in compliance with the Maryland Workers' Compensation Act, as required by The Annotated Code of Maryland, Environment Article, §1-202, and Labor and Employment Article, Title 9. The permit shall be considered to have been void from the outset if this certification is invalid.

L Modifications

A "modification" normally means any physical change in, or change in the operation of, an installation which causes a change in the quantity, nature or characteristics of emissions from the installation. However, this term excludes routine maintenance and routine repair, and increases in the hours of operation or in the production rate, unless these increases are prohibited under any permit or approval issued by the Department.

A modification to the facility for which this general permit to construct applies is prohibited. Before making such a modification, the permittee must apply for and obtain an individual permit to construct if the source would no longer be eligible for a general permit to construct.

M Inspections/Right of Entry

Inspectors and other authorized officials from the Department or the appropriate local health or environmental department shall be allowed access to the property

where the source is constructed or modified at any reasonable time for the purpose of determining compliance with this permit and applicable air pollution control laws and regulations, including:

(1) inspecting all activities authorized by this permit;

(2) taking samples of materials or other substances stored or processed at the property or discharged or otherwise removed from the property;

(3) inspecting any monitoring equipment required by the permit and applicable laws and regulations;

(4) having access to and copying any records related to the Department's determination of compliance, including all documents required to be kept by this permit and by applicable laws and regulations; and

(5) taking photographs and making video recordings.

N Duty to Provide Information

The permittee shall furnish to the Department, within 15 working days of the date of any request or other period of time that may be specified, all documents and other information which the Department requests to determine compliance with this permit and applicable air pollution control laws and regulations.

O Penalties for Violations

Maryland law provides for substantial penalties for violations of this permit and applicable air pollution control laws and regulations. These penalties include civil penalties of up to $25,000 per day per violation, administrative penalties of up to $2,500 per day per violation (not to exceed $50,000 per action), injunctive relief, and criminal penalties for knowing violations (including up to one year in jail and a $25,000 fine per violation per day). Additional criminal penalties apply to any person who knowingly provides false information to the Department or who knowingly tampers with any monitoring device required by State air pollution control law. Federal law may also provide for penalties for violations.

P Violations That Occurred Prior to Obtaining This Permit

This permit does not protect the permittee for any violation of laws or regulations that may have occurred prior to the effective date of the permit, including constructing, modifying, or operating a source without a required permit.

Q Revocation or Suspension of a Permit

The Department may issue an order proposing to revoke or suspend this permit if it determines that:

(1) Any condition of the permit has been violated; or

(2) The permit was improperly obtained or has been improperly used.

The order shall become final unless the permittee requests a hearing within 10 days after being served. If a hearing is requested, it shall be held pursuant to the Maryland Administrative Procedure Act, Annotated Code of Maryland, State Government Article, §§10-201 et seq. and Environment Article, §2-605.

A person to whom a proposed or final order or revocation or suspension has been issued may not obtain another general permit for the same source or similar source at the same location until it has been determined in writing by the Department that the revocation or suspension is no longer in effect or pending.

R Property Rights Not Created by Permit
This permit does not create any property rights.

S Severability
If any provision of this permit is determined to be invalid for any reason, the other provisions remain in effect to the extent reasonable, and the invalid provision shall be considered deleted from the permit.

T Federal Enforceability
The terms and conditions of this general permit to construct are federally enforceable only to the extent that they reflect regulations or other requirements that have been approved by the U.S. Environmental Protection Agency for inclusion in the Maryland State Implementation Plan (SIP) for the control of air pollution.

Part IV Request for Coverage Requirements

A Request for Coverage Cost
A person who desires to be covered by this general permit to construct shall provide all required information on the Request for Coverage form and submit the form to the Department together with the required fee of $500 for each dry cleaning machine. The fee must be paid by check or money order payable to: Maryland Department of the Environment/Clean Air Fund.

B Required Signatures
The Request for Coverage form shall be signed by the applicant or an authorized representative of the applicant who shall make the following certification:

"I certify under penalty of law that the information submitted in the Request for Coverage is, to the best of my knowledge and belief, true, accurate, and complete. I

am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

C Where to Submit

A person shall submit the original of the Request For Coverage form and the required fee to the following address:

Maryland Department of the Environment
Air and Radiation Management Administration
P.O. Box 2037
Baltimore, Maryland 21203-2037

The Request for Coverage form and the permit fee may be delivered in person to the Department at the following address:

Maryland Department of the Environment
Air and Radiation Management Administration
1800 Washington Blvd, STE 720
Baltimore, Maryland 21230-1720

D Effective Date

The Air Quality General Permit to Construct is effective on the date that the Request for Coverage is completed, signed, and the permit fee paid to the Department. See Permit Part III (B). The Department will mail a letter to the applicant acknowledging the receipt of the Request for Coverage and fee and that the source is now covered by the specifically requested Air Quality Permit to Construct.

E Questions

Questions regarding the Air Quality General Permit to Construct program may be directed to the Department's Air and Radiation Management Administration by calling (410) 537-3230.

George (Tad) S. Aburn, Jr., Director
Air and Radiation Management Administration

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Air and Radiation Management Administration / Air Quality Permits Program
1800 Washington Boulevard, STE 720 Baltimore, MD 21230-1720
(410) 537-3230 ●1-800-633-6101 ● www.mde.state.md.us

Mail application and payment to
MDE/ARMA, PO Box 2037
Baltimore, MD 21203-2037
Don't forget to sign the application!

Make checks payable to
MDE Clean Air Fund
$500 per piece of equipment
Tandem machines are billed as two separate pieces of equipment

Request for Coverage: Air Quality General Permit to Construct

PERCHLOROETHYLENE (PERC) DRY CLEANING EQUIPMENT

1) Business/Institution/Facility where the equipment will be located ☐ Check if this is a federal facility

Name: _____ Phone: _____
Street Address: _____
City: _____ State: _____ Zip Code: _____ County: _____

Are there any residential units in the building (circle one)? Yes / No Building Zoning Code:_____

2) Owner ☐ Check if different than above. If checked, complete the following:

Name: _____ Phone: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____

3) Installer
Contact Name: _____ Phone: _____

4) Equipment Information

Manufacturer	Model	Serial #	Capacity	Install Date	Refrigerated Condenser	Carbon Adsorption
_____	_____	_____	_____	_____	Yes / No	Yes / No
_____	_____	_____	_____	_____	Yes / No	Yes / No
_____	_____	_____	_____	_____	Yes / No	Yes / No
_____	_____	_____	_____	_____	Yes / No	Yes / No

Which do you have (circle one)? A PCE gas analyzer, or a halogenated hydrocarbon detector

5) Business Operational Information

_____ Gallons of perc per year _____ Hours/day _____ Days/week _____ Days/year

☐ Perc usage is an estimate for my new business, or
☐ Perc usage is historical from my existing dry cleaning records.

6) Workers Compensation (Environmental article §1-202)

Workers insurance policy or binder number:_____
☐ Check if self employed or otherwise exempt from this requirement

"I CERTIFY UNDER PENALTY OF LAW THAT THE INFORMATION SUBMITTED IN THIS REQUEST FOR COVERAGE IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

_____
Owners Signature Printed Name & Title Date