



# Philadelphia Department of Public Health

## Public Health Services

### Air Management Services

#### **GUIDANCE ON THE TYPES OF PROCESSES THAT NEED PRE-CONSTRUCTION PERMITS**

(Under the Pennsylvania Code Title 25, Chapter 127 and the Air Management Code)

##### **A. CONSTRUCTION PROJECTS**

An air permit is required for any construction, modification, installation, or replacement of equipment that vents air pollutants into the atmosphere such as:

- (1) Air Pollution control devices ( afterburner, cyclone, baghouse, flare, condenser, scrubber..)..
- (2) Asphalt plants
- (3) Bakeries
- (4) Chemical manufacturing process
- (5) Coal/Grain Storage and transfer station.
- (6) Combustion Units ( furnace, boiler, heater, stationary reciprocating engine, oven..) which net load capacity greater than 250,000 BTU per hour.
- (7) Concrete plants
- (8) Degreasers
- (9) Electroplaters, Galvanizers
- (10) Foundry, Smelters
- (11) Incinerators
- (12) Surface coaters, Graphic arts, Printing presses
- (13) Paint spray booths
- (14) Soil Remediation
- (15) Storage tanks which have capacity greater than 10,000 gallon and store volatile organic compounds that have vapor pressure greater than 0.75 psia; Storage tanks which have capacity greater than 40,000 gallon and store volatile organic hazardous air pollutants that have vapor pressure greater than 0.1 psia;.
- (16) Stage 2 Vapor Recovery Units
- (17) Waste water treatment facilities

##### **B. EXEMPTIONS:**

Installation permit or Plan approval is not required for the construction, modification, reactivation or installation of the following:

- (1) The construction, reconstruction, conversion, alteration, replacement or installation of any household appliance;
- (2) The construction, reconstruction, conversion, alteration, replacement or installation of motor vehicles or other equipment used on highways;
- (3) Any building or structure used exclusively for dwelling purposes and containing fewer than three dwelling units;
- (4) Fuel burning equipment of a net load rating of 250,000 BTU per hour or less.
- (5) Air conditioning or ventilation systems not designed to remove pollutants generated by or released from other sources.
- (6) Laboratory equipment used exclusively for chemical or physical analyses.
- (7) Restaurant operations
- (8) Vocational education shops
- (9) Any source granted an exemption by Air Management Services through the execution of a Request for Determination of Requirement for /Installation Permit/Plan Approval Application form.

Reference: Air Management Code Section 3-306  
Pennsylvania Code Title 25 chapter 127.11 & 127.14

PRECONST.DOC