

## **COMMON EQUIPMENT AND PROCESSES REQUIRING A PERMIT TO OPERATE**

### **VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT**

Disclaimer: This list is intended to be used only as general guidance in determining equipment that requires a Ventura County Air Pollution Control District (VCAPCD) Permit to Operate. For more detailed information, refer to VCAPCD Rule 10, "Permits Required", and VCAPCD Rule 23, "Exemptions from Permit", or contact the Engineering Division at 805-303-3688 or [engineering@vcapcd.org](mailto:engineering@vcapcd.org).

#### **Combustion Equipment**

- Boilers or process heaters with a maximum rated heat input of 1 MMBTU/hr or greater
- Engines that are 50 BHP or greater, including but not limited to the following:
  - Oil well and water well drilling rigs
  - Emergency electrical generators powered by diesel engines
  - Portable wood chippers
  - Portable air compressors
    - Note: Vehicle engines for autos, trucks, bulldozers, forklifts, etc. are exempt
    - Emergency generators and water pumps powered by natural gas or propane engines are exempt
    - Portable engines with state PERP registration are exempt
- Gas turbines rated at 300 kW and greater
- Incinerators, including crematories
- Ovens and furnaces
  - Conveyorized charbroilers
  - Coffee roasters > 25 lbs capacity

- Note: Most other restaurant operations are exempt
- Ovens/furnaces in residential units are exempt
- Burn-off ovens for auto engine parts
- Waste gas flares

#### **Equipment that Emit Dust or Other Particulate Matter**

- Metal melting furnaces
- Concrete batch plants
- Asphalt concrete plants
- Rock, sand, and aggregate plants
- Abrasive blasting and sand blasting operations
  - Note: Water blasting equipment using engines less than 50 bhp is exempt

#### **Equipment and Processes that Emit Solvents or Other Reactive Organic Compounds**

- Drycleaning machines using organic solvents
- Gasoline tanks and dispensing facilities
  - Note: Diesel tanks and waste oil tanks are exempt.
  - Gasoline tanks less than 250 gallons in capacity are exempt.

- Contaminated soil or groundwater remediation systems including air stripping towers
- Any coating of automobiles, trucks, or mobile equipment
- Oil wells and oilfield storage and process tanks
- Other organic liquid storage tanks with a capacity of more than 5,000 gallons
- Semiconductor or electronic component manufacturing
- Expandable polystyrene foam manufacturing
- All processes/operations when more than 200 pounds each of Reactive Organic Compounds (ROC), methylene chloride, 1,1,1 trichloroethane, and perchloroethylene are lost to the atmosphere in a year, including:
  - General painting and coating (non-automotive)
  - Printing operations
  - Use of adhesives or sealants
  - Cleaning operations
  - Solvent cleaning
  - Cold cleaners and vapor degreasers
  - Organic Solvent usage

## **COMMON EQUIPMENT AND PROCESSES REQUIRING A PERMIT TO OPERATE VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT (VCAPCD)**

### **Equipment and Processes that Emit Air Toxics or May Cause a Nuisance**

- Chrome plating operations
- Operations such as spa, bathtub or counter-top manufacturing that use polyester resins
- Agricultural produce fumigation chambers using organic gases
- Ethylene oxide sterilizers (used in hospitals or food processing)

### **Common Equipment for which a VCAPCD Permit to Operate is NOT Required**

- Boilers and ovens rated under 1 MMBTU/hr
- Engines that are under 50 BHP

- Heating, ventilation and air conditioning (HVAC) equipment that is not used for air pollution control. The boilers or engines used with HVAC equipment must be evaluated separately using the combustion equipment information listed above.
- Vacuum cleaning systems for housekeeping purposes
- Refrigeration units not used for air pollution control
- Equipment for cutting, grinding or drilling metals or plastics
- Equipment for sawing, sanding or drilling wood
- Use of non-refillable aerosol cans
- Ozone generating equipment used in water treatment
- Polyester resin operations using less than 240 gallons of polyester resin materials in a year
- Bench scale experimental or research operations and equipment used exclusively for investigation, experimentation, or research to advance the state of air pollution control knowledge or to improve techniques (subject to prior approval by VCAPCD)
- Most restaurant operations except for conveyORIZED charbroilers and certain coffee roasters