

Permitting Program

Board of Directors
Santa Barbara County
Air Pollution Control District

Our Mission: To protect the people and the environment
of Santa Barbara County from the effects of air pollution.

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March 16, 2023

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Overview

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Purpose Statement

We issue technically rigorous and effective permits to new and existing stationary sources and ensure each project complies with all applicable local, state, and federal air quality requirements.



Background

- ▶ US EPA and CARB set clean air standards
- ▶ District adopts rules to attain standards
- ▶ District issues permits to:
 - ▶ Ensure operations comply with rules
 - ▶ Quantify and track emissions
- ▶ Permitting program mandate:
 - ▶ California Health and Safety Code §42300



Regulated Facilities

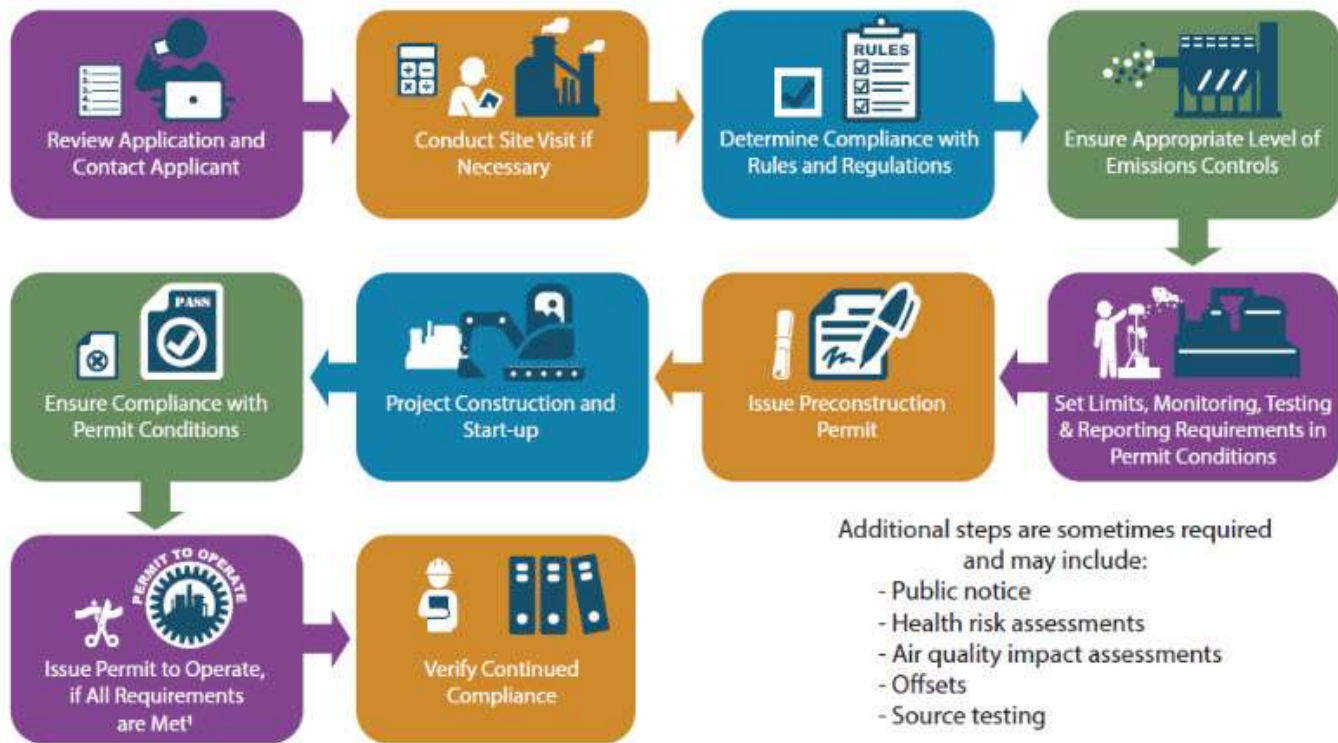
We Regulate: Stationary Sources

Permitted Facility / Equipment Examples	
Dry Cleaners	Gasoline stations
Autobody Shops	Combustion Equipment (e.g., boilers, process heaters, prime engines, diesel generators)
Onshore Oilfields	Offshore Oil Platforms
Landfill & Wastewater Treatment Plants	Commercial Space Operations
Contaminated Soil Clean-up Projects	Mineral Processing Facilities
Wineries	Cannabis Manufacturing Facilities

We Don't Regulate:

- Motor Vehicles
- Marine Vessels
- Trains
- Aircraft
- Consumer Products
- Indoor Air Pollution

Permit Process




Additional steps are sometimes required and may include:

- Public notice
- Health risk assessments
- Air quality impact assessments
- Offsets
- Source testing

¹ In some cases combined preconstruction permits and permits to operate are issued based on district policies.

Elements of a Permit

- ▶ General Facility Information
- ▶ Emission Limits
- ▶ Operational Restrictions
- ▶ Monitoring, Recordkeeping, and Reporting Requirements
- ▶ Engineering Evaluation

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Permit to Operate 13963 - R2
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EQUIPMENT OWNER:
Goleta Valley Cottage Hospital

EQUIPMENT OPERATOR:
Goleta Valley Cottage Hospital

EQUIPMENT LOCATION:
351 S. Patterson Avenue, Goleta

STATIONARY SOURCE/FACILITY:
Goleta Valley Cottage Hospital SSID: 03909
FID: 03909

EQUIPMENT DESCRIPTION:
Diesel-fired emergency standby engine(s) as listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:
The diesel engine(s) subject to this permit provide electrical backup power in times of emergencies as defined by the State's *Airborne Toxics Control Measure for Stationary Compression Ignition Engines* (ATCM). This ATCM (CCR Section 93115, Title 17) limits annual engine maintenance and testing hours (as listed for each engine in the equipment list) with no limitation for emergency use. Definitions of the terms "maintenance and testing" and "emergency use" are found in the ATCM and the District's webpage at <http://www.ourair.org/dise-atcm/>.

The diesel engines listed on this permit are subject to BACT standards for NO_x. Goleta Valley Cottage Hospital has provided the District with EPA Certificates of Conformity for both emergency/standby generators in order to meet these requirements.

New Source Review

- ▶ Allows District to permit new and modified facilities while still achieving air quality goals
- ▶ Elements of NSR:
 - ▶ Best Available Control Technology (BACT)
 - ▶ Air Quality Impact Analysis (AQIA)
 - ▶ Health Risk Assessment (HRA)
 - ▶ Emission Offsets
 - ▶ Public Noticing and Participation
- ▶ Larger sources trigger more requirements

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New Source Review is a permitting program that:

Evaluates air pollution and proposed emissions controls for businesses **so that** the air is kept clean to meet local, state, and federal standards

It applies to stationary sources of air pollution:

- Boilers
- Gas stations
- Wastewater Treatment Plants
- Industrial Processes
- Oil & Gas Operations
- Landfills

Best Available Control Technology (BACT)
Required emission reduction strategies, such as:

- Industrial Air Filter
- Gas vapor recovery
- Better Boiler Burners
- Chemical Catalysts for Cleaner Gas Turbines
- Water Scrubbers

Impacts on air quality are determined through:

Air Quality Impact Analysis
which is computer modeling for larger projects to determine expected increases in pollutants in the air we breathe.

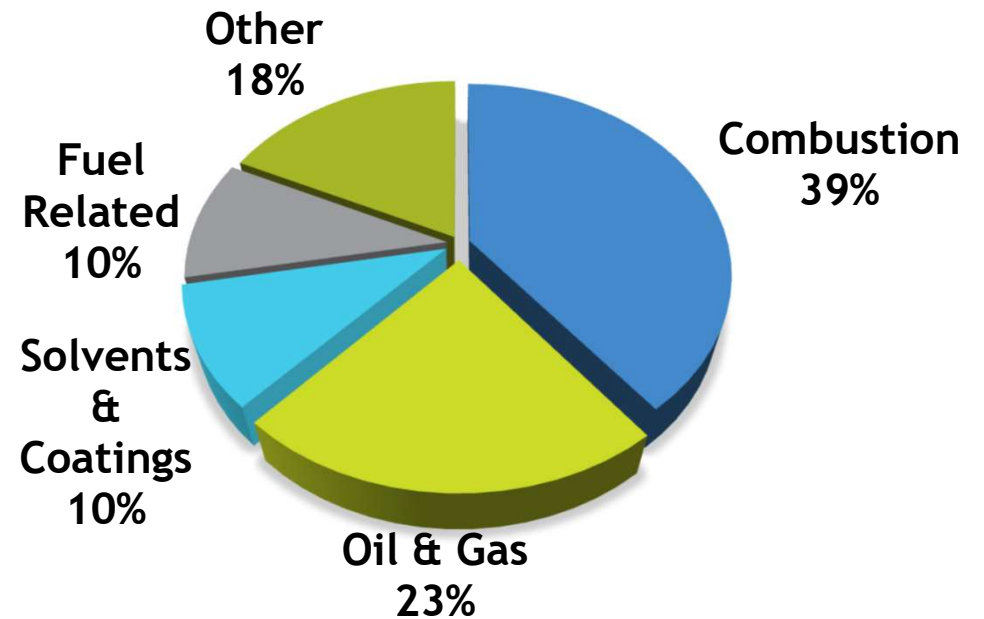
NO₂, **O₃**, **CO**, **PM₁₀**

Infographic originally created by Chris Hewes for Santa Barbara County Air Pollution Control District

of district
city

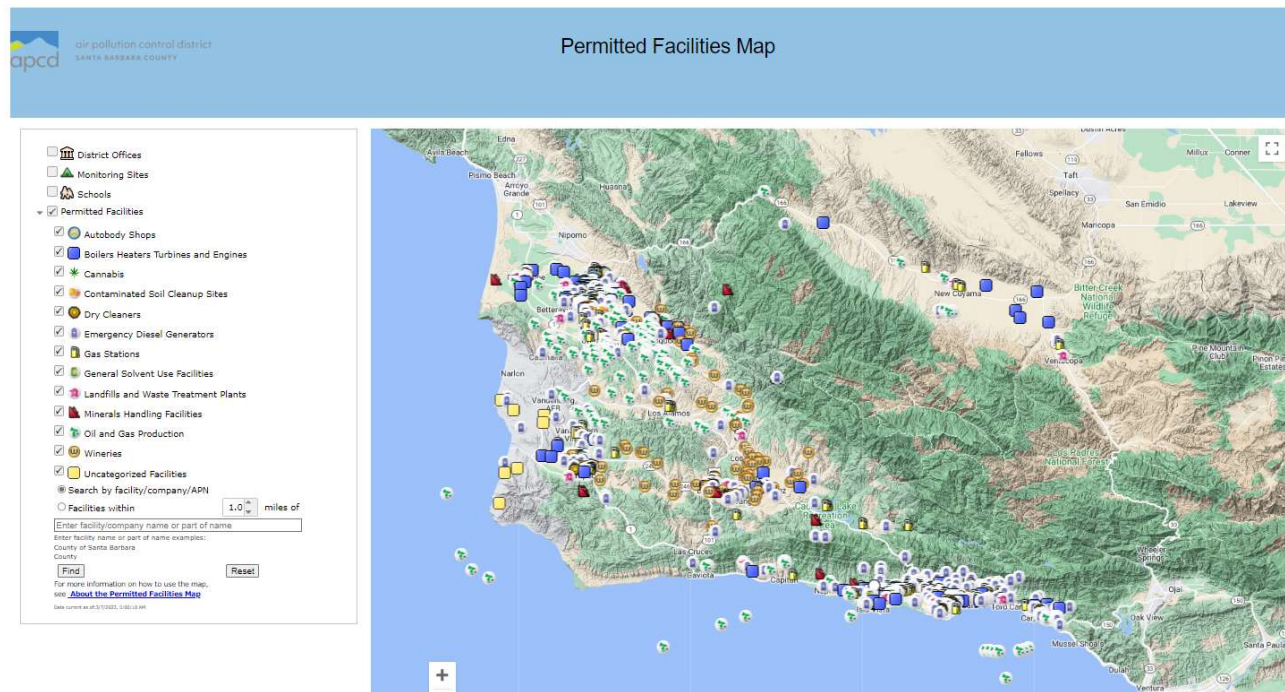
Permit Data

- ▶ 600+ permitting actions per year
- ▶ 2,271 active permits
- ▶ 1,397 active facilities
- ▶ Currently:
 - ▶ 187 applications in process
 - ▶ 28 applications in completeness review



Permitted Facilities Map

<https://map.ourair.org/>



Questions



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