

# Air Pollution Control in Hawaii



HAWAII STATE  
DEPARTMENT  
OF HEALTH

Clean Air Branch

# Clean Air Branch's Responsibilities

- ▶ Implement both state and delegated federal air pollution control requirements
- ▶ Air permitting, monitoring sources and air quality, complaint investigations, and enforcing air regulations

# Air Permits

- ▶ Issues air permits to stationary air pollution sources
- ▶ Sources include:
  - Diesel Engine Generators
  - Gas Turbines
  - Boilers
  - Asphalt Plants
  - Rock Crushing Plants
  - Incinerators
  - Power Plants
  - Refineries

# Air Quality Monitoring Network

- ▶ Plans and oversees the statewide ambient air monitoring network
- ▶ 14 stations statewide



# Pollutants monitored

- ▶ Ozone ( $O_3$ )
- ▶ Carbon Monoxide (CO)
- ▶ Particulate Matter ( $PM_{10}$  &  $PM_{2.5}$ )
- ▶ Sulfur Dioxide ( $SO_2$ )
- ▶ Nitrogen Oxides ( $NO_x$ )
- ▶ Lead
- ▶  $H_2S$

# Air Quality Data Online



STATE OF HAWAII  
**Department of Health**  
Healthy People • Healthy Communities • Healthy Islands

## Hawaii Ambient Air Quality Data

**Air Monitoring Sites**

- Map
- Quick Look
- Reports
- Information
- Publications
- Links
- About
- Login

Close



**Air Quality Legend**

- Good
- Moderate
- Unhealthy for Sensitive Groups
- Unhealthy
- Very Unhealthy
- Hazardous
- Not Available

### News

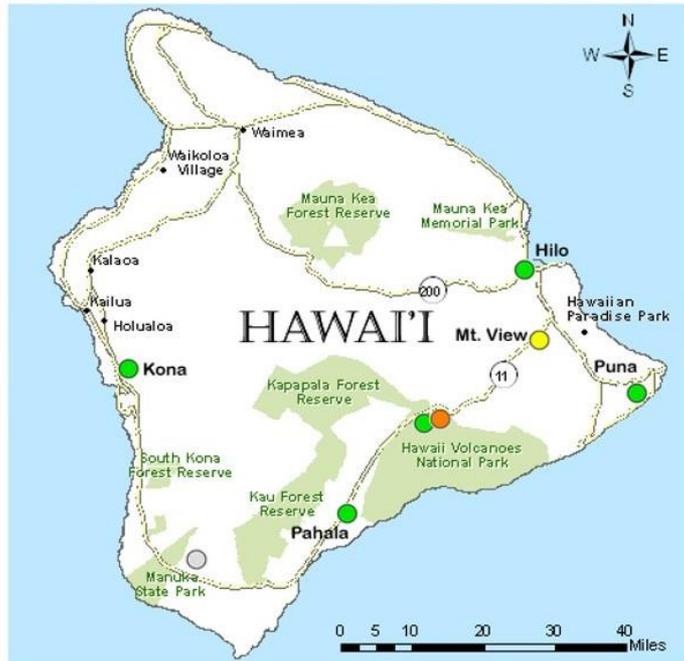
### Related Links

- [Hawaii's Short Term SO2 Alert Index](#)
- [VOG Frequently Asked Questions Website](#)
- [Clean Air Branch](#)
- [County of Hawaii Kilauea Eruption Update](#)

**To view the most recent air quality levels:**

1. Select *Map* under *Air Monitoring Sites* to view near-real time air quality data at any monitoring station represented by a dot. Select the area of interest by clicking on dots.
2. Select *"Quick Look"* to view tables summarizing near-real time air quality data by island or the entire network.
3. Select *"Reports"* to customize reports with data from available sites and time periods.

# Hawaii SO2 Advisory Website



## Hawai'i Short Term SO2 Advisory

The information on this page provides current sulfur dioxide (SO<sub>2</sub>) levels due to the Kilauea Volcano on the Island of Hawai'i. Click on the site links for current day historical data. For additional information about other air pollutants, please visit [AIRNow's Hawai'i State Page](#).

Site	SO <sub>2</sub> (ppm)	Air Quality	Time
<a href="#">Hawai'i Volcanoes NP - Jaggar Museum</a>	0.00	Good	1:00 pm
<a href="#">Hawai'i Volcanoes NP - Visitor's Center</a>	0.37	USG	1:00 pm
<a href="#">Hilo</a>	0.01	Good	12:30 pm
<a href="#">Kona</a>	0.00	Good	12:30 pm
<a href="#">Mountain View</a>	0.13	Moderate	12:30 pm
<a href="#">Pahala</a>	0.00	Good	12:30 pm
<a href="#">Puna E Station</a>	0.00	Good	12:30 pm
<a href="#">Ocean View</a>	Currently Unavailable		

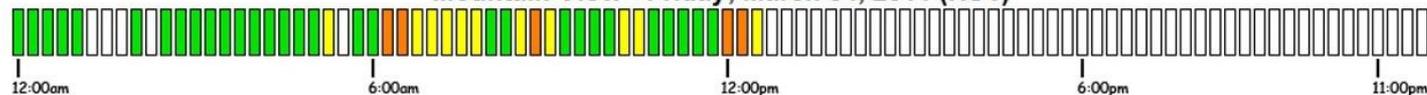
### Advisory Levels



### More Information

- [Short-term Sulfur Dioxide \(SO<sub>2</sub>\) Advisory Level Information \(pdf\)](#)
- [AIRNow's Hawai'i State Page](#)
- [National Park Service - Hawai'i Volcanoes National Park](#)
- [Hawaii Ambient Air Quality Data](#)
- [Clean Air Branch - Home Page](#)
- [County of Hawai'i Kilauea Eruption Update](#)
- [USGS Volcano Hazards Program](#)
- [VOG Frequently Asked Questions](#)
- [Data Disclaimer](#)

### Mountain View - Friday, March 04, 2011 (HST)



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Hawaii State Department of Health · 1250 Punchbowl Street · Honolulu, HI 96813

# Agricultural Burn permits

- ▶ Permit required
- ▶ Permits the burning of green waste
- ▶ Permit conditions to minimize smoke impacts and nuisances



# 2013 Complaint Investigations

- ▶ 277 Fugitive dust
- ▶ 31 Noncovered Sources
- ▶ 22 Covered Sources
- ▶ 696 Agricultural burning
- ▶ 50 open burning
- ▶ 76 Others
- ▶ Total = 1,152 Complaint Investigations

# Enforcement Authority

- ▶ Ensures compliance of laws, regulations and permits
- ▶ Issues Notice of Violations (NOV)
- ▶ Issues Field Citations

# Greenhouse gas rules

- ▶ Effective June 30, 2014
- ▶ Implements Act 234 (2007), which requires the statewide GHG levels to be reduced to 1990 levels by 2020
- ▶ Requires 16 percent reduction from the 20 largest sources
- ▶ 12 cents per ton of GHG for covered sources

# Clean Air Branch

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