

US EPA ARCHIVE DOCUMENT



EXECUTIVE CHAMBERS
HONOLULU

January 30, 2009

LINDA LINGLE
GOVERNOR

Ms. Laura Yoshi
Acting Regional Administrator
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, California 94105

Dear Ms. Yoshi:

SUBJECT: Recommended Designation for the Revised 8-Hour Primary and Secondary
Federal Ozone (O₃) National Ambient Air Quality Standards

Pursuant to Section 107(d) of the Clean Air Act, I am recommending that the State of Hawaii be designated in attainment of the revised 8-hour primary and secondary O₃ National Ambient Air Quality Standards (NAAQS). The Department of Health (DOH), which manages the ambient air monitoring network, has determined that the quality-assured and certified O₃ data for the calendar years 2005 through 2007 is in attainment with the federal O₃ standards.

As required in 40 CFR Part 58 Appendix D, the state operates one station using a Federal Equivalent Method sampler for the collection of O₃ data. Attachment I provides the data used for the calculation of the 8-hour standard design value. The three-year average of the fourth highest daily maximum 8-hour values was well below the revised O₃ NAAQS. Additionally, the station had an average 98 percent data capture rate which met the 90 percent data completeness requirement.

Based on continuous compliance with the NAAQS and ongoing monitoring of air pollution sources, the state has determined that there are no anticipated changes or activities that would cause a significant variation from the currently measured O₃ values. We therefore ask for EPA's consideration of our recommendation for attainment of the revised 8-hour O₃ standards.

We look forward to working with EPA, Region IX, on the final designation for this public health and environmental issue. If you have any questions, please contact Mr. Wilfred Nagamine at the DOH, Clean Air Branch, at (808) 586-4200.

Sincerely,



LINDA LINGLE

Attachment

c: Deborah Jordan, Director, Air Division (AIR-1), U.S. EPA, Region IX
Sean Hogan, Manager, Technical Support Office (AIR-7), U.S. EPA, Region IX

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AIR DIVISION
U.S. EPA, REGION 9

Attachment I

Sand Island Ozone Monitoring Station (ID 150031004)						
In attainment of the new primary and secondary 8-hour ozone standards of 0.075 ppm						
Year	Percent valid days (January to December monitoring)	1 st Highest daily maximum 8-hour concentration (ppm)	2 nd Highest daily maximum 8-hour concentration (ppm)	3 rd Highest daily maximum 8-hour concentration (ppm)	4 th Highest daily maximum 8-hour concentration (ppm)	5 th Highest daily maximum 8-hour concentration (ppm)
2005	99	0.046	0.043	0.042	0.042	0.042
2006	98	0.042	0.041	0.041	0.040	0.040
2007	98	0.036	0.035	0.034	0.033	0.033
3-year average	98	-----			0.038	-----

The state of Hawaii has one ozone monitoring station that operates 12 months of the year.

This station meets the primary and secondary O₃ standards because the 3-year average of the annual fourth-highest daily maximum 8-hour average O₃ concentrations (0.038333 ppm, truncated to 0.038 ppm) is less than 0.075 ppm.

This station also meets the data completeness requirement because the average percent of days with valid ambient monitoring data is greater than 90%, and no single year has less than 75% data completeness.

The state of Hawaii is in attainment of the new 8-hour primary and secondary standards based on three years of the most recent, quality-assured and certified data.