



STATE OF HAWAII
DEPARTMENT OF HEALTH
P.O. Box 3378
HONOLULU, HAWAII 96801-3378

In reply, please refer to:
File:
22-343E CAB

August 11, 2022

Ms. Martha Guzman
Regional Administrator
U.S. Environmental Protection Agency,
Region 9 (Mail Code ORA-1)
75 Hawthorne Street
San Francisco, California 94105

Dear Ms. Guzman:

SUBJECT: Hawaii's Regional Haze State Implementation Plan (RH-SIP) for the Second Planning Period (2018-2028)

In accordance with 40 Code of Federal Regulations (CFR) §51.103 and Appendix V to 40 CFR Part 51, the Hawaii State Department of Health (HDOH) hereby adopts and submits Hawaii's RH-SIP for the second implementation period to the U.S. Environmental Protection Agency (EPA) for review and approval. This RH-SIP for the second planning period, as required by 40 CFR §51.308(f), addresses regional haze requirements for Hawaii. Upon approval, this RH-SIP will serve as a comprehensive revision to Hawaii's 2017 regional haze progress report which was previously approved as a SIP revision to Hawaii's 2012 regional haze federal implementation plan (RH-FIP).

A total combined sulfur dioxide (SO₂) emissions cap of 3,550 tons per year (TPY) was specified in the first regional haze planning period for three (3) electric power plants in Hilo on Hawaii Island to ensure reasonable progress for improving visibility. Shipman Generating Station has since shut down and therefore the SO₂ emissions cap is incorporated into permits for only the Kanoelehua-Hill and Puna Generating Stations.

The RH-SIP in this second planning period establishes new 2028 reasonable progress goals (RPGs) and a long-term strategy, including enforceable emissions limits to reduce emissions of pollutants that impair visibility; namely SO₂, nitrogen oxides (NO_x), and particulate matter (PM). Air permits for the Kahului, Kanoelehua-Hill, and Puna Generating Stations were amended to adopt enforceable regional haze control measures by 2028 as part of the long-term strategy of the RH-SIP. The total combined PTE of SO₂, NO_x, and PM for these facilities before and after implementing controls are as follows:

<u>Pollutant</u>	<u>Total Combined PTE Before Controls (TPY)</u>	<u>Total Combined PTE After Controls (TPY)</u>
SO ₂	11,973	806
NO _x	6,053	2,809
PM	2,726	210

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The four-factor analyses to evaluate controls for the Maalaea Generating Station and Mauna Loa Macadamia Nut Corporation Plant on the island of Hawaii are still being worked on. As discussed with EPA, Region 9, and the National Park Service, potential control measures for these facilities will be addressed in a SIP revision.

This submittal of Hawaii's RH-SIP for the second planning period is being provided electronically via EPA's State Planning Electronic Collaboration System (SPeCS) for SIPs. HDOH will also post the SIP revision on our website (<https://health.hawaii.gov/cab/regional-haze>).

Federal Land Manager consultation is provided in Appendix P of the RH-SIP submission. Chapter 9 includes actions taken to fulfill procedural requirements including public notices to provide an opportunity for the public to comment and request a public hearing on the proposed RH-SIP and permit amendments that incorporate regional haze control measures. The thirty (30) day public comment period for Hawaii's proposed RH-SIP and associated permit amendments ended on July 24, 2022, and July 30, 2022, respectively. The public notice announcement stated that a virtual public hearing would be held at 9:00 a.m. Hawaii Standard Time on August 2, 2022, to help minimize the spread of COVID-19. However, no requests for a hearing were received by the closing date of the comment periods and no hearing was held. Responses to comments received during the thirty (30) day public comment periods and legal authority to adopt the proposed RH-SIP are included in Appendices X and Y, respectively.

I thank you and your staff for working with HDOH in developing this RH-SIP. If there are any questions, please contact Ms. Marianne Rossio of the Clean Air Branch at (808) 586-4200.

Sincerely,



ELIZABETH A. CHAR, M.D.
Director of Health

DH/MM/MR:rkb

c: Elizabeth Adams, Director, Air and Radiation Division, U.S. EPA, Region 9
Anita Lee, Ph.D., Manager, Air Planning Office (AIR-2), Air and Radiation Division