

## List of Exceedances of the National Ambient Air Quality Standards

The Hawai'i State Department of Health is required to notify the public whenever the National Ambient Air Quality Standards (NAAQS) are exceeded. The list below shows the most recent exceedances due to an exceptional or natural event (*preliminary data only – subject to change*). For a listing of previous exceedances through 2022, please see the Department of Health, Clean Air Branch web page at <http://health.hawaii.gov/cab/notification-of-exceedance-of-a-national-ambient-air-quality-standard/>.

DATE	MONITORING STATION LOCATION & ISLAND	AIR POLLUTANT	STANDARD TYPE	STANDARD LIMIT	CONCENTRATION (HOUR)	CAUSE
Sep. 15, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	100 ppb (10-11 p.m.)	volcanic emissions
Sep. 13, 2023	Naalehu, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	338 ppb (3-4 a.m.)	volcanic emissions
Sep. 13, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	85 ppb (1-2 a.m.)	volcanic emissions
Sep. 13, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	255 ppb (2-3 a.m.)	volcanic emissions
Sep. 12, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	93 ppb (4-5 a.m.)	volcanic emissions
Sep. 12, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	173 ppb (11 p.m.-midnight)	volcanic emissions
Sep. 11, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	1083 ppb (3-4 a.m.)	volcanic emissions
Sep. 11, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	78 ppb (6-7 a.m.)	volcanic emissions
Sep. 10, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	109 ppb (9-10 p.m.)	volcanic emissions
Jun. 18, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	428 ppb (7-8 a.m.)	volcanic emissions
Jun. 12, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	80 ppb (10-11 p.m.)	volcanic emissions
Jun. 11, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	176 ppb (5-6 a.m.)	volcanic emissions
Jun. 9, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	198 ppb (2-3 a.m.)	volcanic emissions
Jun. 7, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	149 ppb (11 a.m.-noon)	volcanic emissions
Feb. 12, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	126 ppb (10-11 a.m.)	volcanic emissions
Feb. 11, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	87 ppb (9-10 p.m.)	volcanic emissions
Feb. 10, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	93 ppb (3-4 p.m.)	volcanic emissions
Feb. 6, 2023	Naalehu, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	78 ppb (10-11 p.m.)	volcanic emissions
Feb. 5, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	105 ppb (midnight-1 a.m.)	volcanic emissions
Jan. 29, 2023	Naalehu, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	86 ppb (5-6 a.m.)	volcanic emissions
Jan. 29, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	85 ppb (5-6 a.m.)	volcanic emissions
Jan. 28, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	80 ppb (noon-1 p.m.)	volcanic emissions
Jan. 27, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	371 ppb (3-4 a.m.)	volcanic emissions
Jan. 27, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	142 ppb (5-6 a.m.)	volcanic emissions
Jan. 23, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	97 ppb (8-9 a.m.)	volcanic emissions
Jan. 22, 2023	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	109 ppb (1-2 a.m.)	volcanic emissions
Jan. 21, 2023	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	144 ppb (7-8 a.m.)	volcanic emissions

Jan. 21, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	92 ppb (2-3 a.m.)	volcanic emissions
Jan. 20, 2023	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	104 ppb (5-6 a.m.)	volcanic emissions
Jan. 19, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	161 ppb (5-6 a.m.)	volcanic emissions
Jan. 18, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	135 ppb (5-6 a.m.)	volcanic emissions
Jan. 15, 2023	Naalehu, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	95 ppb (4-5 a.m.)	volcanic emissions
Jan. 15, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	176 ppb (4-5 a.m.)	volcanic emissions
Jan. 14, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	78 ppb (2-3 a.m.)	volcanic emissions
Jan. 14, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	293 ppb (8-9 a.m.)	volcanic emissions
Jan. 13, 2023	Naalehu, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	178 ppb (2-3 a.m.)	volcanic emissions
Jan. 13, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	288 ppb (2-3 a.m.)	volcanic emissions
Jan. 12, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	120 ppb (9-10 a.m.)	volcanic emissions
Jan. 12, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	109 ppb (9-10 a.m.)	volcanic emissions
Jan. 11, 2023	Naalehu, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	131 ppb (5-6 a.m.)	volcanic emissions
Jan. 11, 2023	Ocean View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	213 ppb (7-8 a.m.)	volcanic emissions
Jan. 11, 2023	Pahala, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	236 ppb (4-5 a.m.)	volcanic emissions
Jan. 10, 2023	Hilo, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	92 ppb (6-7 a.m.)	volcanic emissions
Jan. 10, 2023	Keaau, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	85 ppb (8-9 a.m.)	volcanic emissions
Jan. 10, 2023	Mountain View, Hawaii	SO <sub>2</sub>	1-hour avg.	75 ppb	132 ppb (8-9 a.m.)	volcanic emissions
Jan. 1, 2023	Kahului, Maui	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	57 µg/m <sup>3</sup>	volcanic emissions
Jan. 1, 2023	Sand Island, Oahu	PM <sub>2.5</sub>	24-hour avg.	35 µg/m <sup>3</sup>	42 µg/m <sup>3</sup>	volcanic emissions

ppb = unit of the standard is in parts per billion

ppm = unit of the standard is in parts per million

µg/m<sup>3</sup> = unit of the standard is in micrograms per cubic meter of air