

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 **2010** exceedances due to an exceptional or natural event. For a listing of exceedances in other years, please see the Department of Health, Clean Air Branch web page.

DATE	MONITORING STATION LOCATION & ISLAND	AIR POLLUTANT	STANDARD TYPE	STANDARD LIMIT	ACTUAL	CAUSE
Dec. 31, 2010	Pearl City, Oahu	PM _{2.5}	24-hour avg.	35 µg/m ³	40 µg/m ³	New Year's fireworks
Dec. 31, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (6-7 a.m.)	volcanic emissions
Dec. 29, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.129 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 29, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.117 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 29, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.393 ppm (2-3 a.m.)	volcanic emissions
Dec. 28, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.186 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 28, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.102 ppm (9-10 p.m.)	volcanic emissions
Dec. 27, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.078 ppm (3-4 a.m.)	volcanic emissions
Dec. 26, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.111 ppm (8-9 a.m.)	volcanic emissions
Dec. 26, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.091 ppm (10-11 a.m.)	volcanic emissions
Dec. 25, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.079 ppm (8-9 a.m.)	volcanic emissions
Dec. 24, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (9-10 a.m.)	volcanic emissions
Dec. 23, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.091 ppm (10-11 a.m.)	volcanic emissions
Dec. 20, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.090 ppm (4-5 a.m.)	volcanic emissions
Dec. 18, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.157 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 18, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.098 ppm (3-4 a.m.)	volcanic emissions
Dec. 17, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 17, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.331 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 16, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.162 ppm (5-6 a.m.)	volcanic emissions
Dec. 16, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.319 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 15, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.120 ppm (6-7 a.m.)	volcanic emissions
Dec. 14, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.144 ppm (9-10 p.m.)	volcanic emissions
Dec. 14, 2010	Pahala, Hawaii	SO ₂	1-hour avg. 3-hour avg.	0.075 ppm 0.5 ppm	0.705 ppm (3-4 a.m.) 0.6 ppm (3-6 a.m.)	volcanic emissions
Dec. 13, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.084 ppm (8-9 a.m.)	volcanic emissions

Dec. 12, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.124 ppm (9-10 a.m.)	volcanic emissions
Dec. 12, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.353 ppm (1-2 a.m.)	volcanic emissions
Dec. 11, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.102 ppm (2-3 a.m.)	volcanic emissions
Dec. 11, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.147 ppm (1-2 a.m.)	volcanic emissions
Dec. 11, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.247 ppm (9-10 a.m.)	volcanic emissions
Dec. 11, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.218 ppm (7-8 a.m.)	volcanic emissions
Dec. 10, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.136 ppm (midnight-1 a.m.)	volcanic emissions
Dec. 9, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.159 ppm (6-7 p.m.)	volcanic emissions
Dec. 9, 2010	Mountain View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.229 ppm (11 p.m.-midnight)	volcanic emissions
Dec. 8, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (7-8 a.m.)	volcanic emissions
Dec. 6, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.180 ppm (6-7 a.m.)	volcanic emissions
Dec. 5, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.109 ppm (10-11 a.m.)	volcanic emissions
Dec. 5, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.439 ppm (8-9 a.m.)	volcanic emissions
Dec. 4, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.097 ppm (10-11 a.m.)	volcanic emissions
Dec. 4, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.465 ppm (8-9 a.m.)	volcanic emissions
Dec. 3, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.378 ppm (8-9 a.m.)	volcanic emissions
Dec. 3, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.469 ppm (3-4 p.m.)	volcanic emissions
Dec. 2, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.153 ppm (noon-1 p.m.)	volcanic emissions
Dec. 1, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.198 ppm (8-9 a.m.)	volcanic emissions
Dec. 1, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.081 ppm (7-8 a.m.)	volcanic emissions
Nov. 30, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.121 ppm (10-11 a.m.)	volcanic emissions
Nov. 30, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.129 ppm (8-9 a.m.)	volcanic emissions
Nov. 29, 2010	Hilo, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.183 ppm (5-6 a.m.)	volcanic emissions
Nov. 28, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (2-3 a.m.)	volcanic emissions
Nov. 27, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.142 ppm (5-6 a.m.)	volcanic emissions
Nov. 26, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (6-7 p.m.)	volcanic emissions
Nov. 25, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.113 ppm (9-10 p.m.)	volcanic emissions
Nov. 24, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.077 ppm (3-4 a.m.)	volcanic emissions
Nov. 23, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.130 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 22, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.300 ppm (8-9 a.m.)	volcanic emissions
Nov. 21, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.147 ppm (noon-1 p.m.)	volcanic emissions
Nov. 20, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.091 ppm (8-9 a.m.)	volcanic emissions

Nov. 20, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.089 ppm (8-9 a.m.)	volcanic emissions
Nov. 19, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.076 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 18, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.264 ppm (8-9 a.m.)	volcanic emissions
Nov. 18, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (9-10 a.m.)	volcanic emissions
Nov. 16, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 15, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.158 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 15, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.162 ppm (8-9 p.m.)	volcanic emissions
Nov. 14, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (10-11 a.m.)	volcanic emissions
Nov. 14, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.269 ppm (midnight-1 a.m.)	volcanic emissions
Nov. 13, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.263 ppm (10-11 p.m.)	volcanic emissions
Nov. 13, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.297 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 12, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.193 ppm (7-8 a.m.)	volcanic emissions
Nov. 11, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.100 ppm (11 a.m.-noon)	volcanic emissions
Nov. 11, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (9-10 a.m.)	volcanic emissions
Nov. 10, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.085 ppm (10-11 a.m.)	volcanic emissions
Nov. 10, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.481 ppm (5-6 a.m.)	volcanic emissions
Nov. 9, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.122 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 9, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.140 ppm (11 a.m.-noon)	volcanic emissions
Nov. 8, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.128 ppm (midnight -1 a.m.)	volcanic emissions
Nov. 7, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.174 ppm (11 p.m.-midnight)	volcanic emissions
Nov. 6, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (6-7 a.m.)	volcanic emissions
Nov. 6, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.317 ppm (8-9 p.m.)	volcanic emissions
Nov. 5, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (9-10 a.m.)	volcanic emissions
Nov. 5, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.143 ppm (6-7 a.m.)	volcanic emissions
Nov. 4, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.143 ppm (9-10 p.m.)	volcanic emissions
Nov. 3, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.080 ppm (9-10 a.m.)	volcanic emissions
Nov. 2, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.093 ppm (10-11a.m.)	volcanic emissions
Nov. 2, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.167 ppm (9-10 a.m.)	volcanic emissions
Nov. 1, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (5-6 a.m.)	volcanic emissions
Oct. 31, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (6-7 a.m.)	volcanic emissions
Oct. 29, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (8-9 a.m.)	volcanic emissions
Oct. 28, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.082 ppm (9-10 p.m.)	volcanic emissions

Oct. 27, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.129 ppm (3-4 p.m.)	volcanic emissions
Oct. 27, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.136 ppm (9-10 a.m.)	volcanic emissions
Oct. 26, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.220 ppm (11 a.m.-noon)	volcanic emissions
Oct. 26, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.849 ppm (5-6 p.m.)	volcanic emissions
Oct. 25, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (10-11 a.m.)	volcanic emissions
Oct. 25, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.16 ppm 0.643 ppm (10-11 p.m.)	volcanic emissions
Oct. 24, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.169 ppm (8-9 p.m.)	volcanic emissions
Oct. 23, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.183 ppm (3-4 a.m.)	volcanic emissions
Oct. 22, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.137 ppm (7-8 a.m.)	volcanic emissions
Oct. 20, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (8-9 a.m.)	volcanic emissions
Oct. 19, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.210 ppm (8-9 a.m.)	volcanic emissions
Oct. 19, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.644 ppm (6-7 a.m.)	volcanic emissions
Oct. 18, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.497 ppm (4-5 a.m.)	volcanic emissions
Oct. 17, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.127 ppm (7-8 a.m.)	volcanic emissions
Oct. 16, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.161 ppm (1-2 a.m.)	volcanic emissions
Oct. 14, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.158 ppm (6-7 a.m.)	volcanic emissions
Oct. 13, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.252 ppm (8-9 p.m.)	volcanic emissions
Oct. 13, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.743 ppm (7-8 p.m.)	volcanic emissions
Oct. 12, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.138 ppm (7-8 a.m.)	volcanic emissions
Oct. 11, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.123 ppm (11 p.m.-midnight)	volcanic emissions
Oct. 10, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.103 ppm (3-4 a.m.)	volcanic emissions
Oct. 9, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.369 ppm (4-5 a.m.)	volcanic emissions
Oct. 8, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.274 ppm (3-4 a.m.)	volcanic emissions
Oct. 7, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.598 ppm (8-9 a.m.)	volcanic emissions
Oct. 6, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.119 ppm (9-10 p.m.)	volcanic emissions
Oct. 5, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.207 ppm (9-10 a.m.)	volcanic emissions
Oct. 5, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.452 ppm (1-2 a.m.)	volcanic emissions
Oct. 4, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.280 ppm (9-10 a.m.)	volcanic emissions
Oct. 4, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.243 ppm (5-6 a.m.)	volcanic emissions
Oct. 3, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.271 ppm (10-11 a.m.)	volcanic emissions
Oct. 3, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.390 ppm (10-11 p.m.)	volcanic emissions

Sep. 29, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.194 ppm (6-7 a.m.)	volcanic emissions
Sep. 29, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.184 ppm (5-6 a.m.)	volcanic emissions
Sep. 28, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (10-11a.m.)	volcanic emissions
Sep. 28, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.317 ppm (4-5 a.m.)	volcanic emissions
Sep. 27, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.309 ppm (3-4 a.m.)	volcanic emissions
Sep. 27, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.284 ppm (5-6 a.m.)	volcanic emissions
Sep. 26, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.197 ppm (8-9 a.m.)	volcanic emissions
Sep. 26, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.110 ppm (8-9 a.m.)	volcanic emissions
Sep. 25, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.159 ppm (10-11 p.m.)	volcanic emissions
Sep. 24, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.176 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 23, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.158 ppm (1-2 a.m.)	volcanic emissions
Sep. 22, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.087 ppm (8-9 a.m.)	volcanic emissions
Sep. 22, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.081 ppm (5-6 a.m.)	volcanic emissions
Sep. 21, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.254 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 21, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 1-hour avg.	0.14 ppm 0.075 ppm	0.20 ppm 0.582 ppm (7-8 a.m.)	volcanic emissions
Sep. 20, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.189 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 19, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.101 ppm (12-1 a.m.)	volcanic emissions
Sep. 18, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.472 ppm (7-8 a.m.)	volcanic emissions
Sep. 17, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.217 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 16, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.296 ppm (1-2 a.m.)	volcanic emissions
Sep. 15, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.353 ppm (7-8 a.m.)	volcanic emissions
Sep. 13, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.124 ppm (6-7 a.m.)	volcanic emissions
Sep. 13, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.196 ppm (7-8 a.m.)	volcanic emissions
Sep. 12, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.099 ppm (11 p.m.-midnight)	volcanic emissions
Sep. 11, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.088 ppm (10-11 p.m.)	volcanic emissions
Sep. 11, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.436 ppm (4-5 a.m.)	volcanic emissions
Sep. 9, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.361 ppm (2-3 a.m.)	volcanic emissions
Sep. 8, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.126 ppm (3-4 a.m.)	volcanic emissions
Sep. 7, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.205 ppm (9-10 a.m.)	volcanic emissions
Sep. 6, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.101 ppm (1-2 a.m.)	volcanic emissions
Sep. 5, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (8-9 a.m.)	volcanic emissions

Sep. 4, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.225 ppm (2-3 a.m.)	volcanic emissions
Sep. 3, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.228 ppm (9-10 a.m.)	volcanic emissions
Sep. 3, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.380 ppm (6-7 a.m.)	volcanic emissions
Sep. 2, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.112 ppm (8-9 a.m.)	volcanic emissions
Sep. 2, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.199 ppm (midnight-1 a.m.)	volcanic emissions
Sep. 1, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.202 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 31, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.146 ppm (9-10 a.m.)	volcanic emissions
Aug. 30, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.345 ppm (2-3 a.m.)	volcanic emissions
Aug. 29, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.132 ppm (8-9 a.m.)	volcanic emissions
Aug. 27, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.150 ppm (8-9 a.m.)	volcanic emissions
Aug. 27, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.246 ppm (1-2 a.m.)	volcanic emissions
Aug. 26, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.125 ppm (6-7 a.m.)	volcanic emissions
Aug. 26, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.343 ppm (5-6 a.m.)	volcanic emissions
Aug. 25, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.095 ppm (9-10 a.m.)	volcanic emissions
Aug. 25, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.177 ppm (9-10 a.m.)	volcanic emissions
Aug. 24, 2010	Ocean View, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.154 ppm (10-11 a.m.)	volcanic emissions
Aug. 24, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.117 ppm (11 p.m.-midnight)	volcanic emissions
Aug. 23, 2010	Pahala, Hawaii	SO ₂	1-hour avg.	0.075 ppm	0.300 ppm (4-5 a.m.)	volcanic emissions
July 25, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
July 23, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.16 ppm 0.6 ppm (3-6 a.m.)	volcanic emissions
June 22, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.21 ppm	volcanic emissions
June 3, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.21 ppm 0.6 ppm (3-6 a.m.) 1.0 ppm (6-9 a.m.)	volcanic emissions
May 29, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
May 27, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.15 ppm 0.8 ppm (3-6 a.m.)	volcanic emissions
May 22, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
May 20, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
May 9, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
May 7, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
May 6, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.22 ppm 0.6 ppm (6-9 p.m.)	volcanic emissions

April 27, 2010	Ocean View, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 21, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.20 ppm 0.6 ppm (3-6 a.m.) 0.6 ppm (6-9 a.m.)	volcanic emissions
March 20, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 19, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.22 ppm	volcanic emissions
March 10, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
March 9, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.16 ppm	volcanic emissions
March 8, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 6, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
March 5, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.23 ppm 0.7 ppm (6-9 p.m.)	volcanic emissions
March 4, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.20 ppm	volcanic emissions
March 3, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
March 2, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.17 ppm	volcanic emissions
March 1, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Feb. 28, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.18 ppm	volcanic emissions
Feb. 27, 2010	Pahala, Hawaii	SO ₂	3-hour avg.	0.5 ppm	0.7 ppm (6-9 a.m.)	volcanic emissions
Feb. 25, 2010	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	volcanic emissions
Feb. 24, 2010	Hilo, Hawaii	SO ₂	3-hour avg.	0.5 ppm	0.7 ppm (6-9 a.m.)	volcanic emissions
Feb. 18, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.19 ppm	volcanic emissions
Feb. 11, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Feb. 10, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.20 ppm	volcanic emissions
Feb. 8, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.18 ppm 0.6 ppm (3-6 a.m.)	volcanic emissions
Feb. 6, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Feb. 5, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.19 ppm	volcanic emissions
Jan. 31, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.20 ppm 0.8 ppm (6-9 a.m.)	volcanic emissions
Jan. 27, 2010	Mountain View, Hawaii	PM _{2.5} SO ₂ SO ₂	24-hour avg. 24-hour avg. 3-hour avg.	35 µg/m ³ 0.14 ppm 0.5 ppm	43 µg/m ³ 0.22 ppm 1.0 ppm (6-9 a.m.)	volcanic emissions
Jan. 24, 2010	Mountain View, Hawaii	PM _{2.5} SO ₂ SO ₂	24-hour avg. 24-hour avg. 3-hour avg.	35 µg/m ³ 0.14 ppm 0.5 ppm	38 µg/m ³ 0.22 ppm 0.8 ppm (midnight-3 a.m.)	volcanic emissions

Jan. 22, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.22 ppm 0.6 ppm (3-6 a.m.) 0.6 ppm (6-9 a.m.)	volcanic emissions
Jan. 20, 2010	Pahala, Hawaii	PM _{2.5} SO ₂ SO ₂ SO ₂ SO ₂	24-hour avg. 24-hour avg. 3-hour avg. 3-hour avg. 3-hour avg.	35 µg/m ³ 0.14 ppm 0.5 ppm 0.5 ppm 0.5 ppm	47 µg/m ³ 0.52 ppm 0.9 ppm (midnight-3 a.m.) 1.0 ppm (3-6 a.m.) 0.9 ppm (6-9 a.m.) 0.7 ppm (9 a.m.-noon)	volcanic emissions
Jan. 19, 2010	Pahala, Hawaii	SO ₂	24-hour avg.	0.14 ppm	0.15 ppm	volcanic emissions
Jan. 18, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.24 ppm 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 17, 2010	Mountain View, Hawaii	PM _{2.5} SO ₂ SO ₂	24-hour avg. 24-hour avg. 3-hour avg.	35 µg/m ³ 0.14 ppm 0.5 ppm	38 µg/m ³ 0.16 ppm 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 17, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.23 ppm 0.7 ppm (midnight-3 a.m.)	volcanic emissions
Jan. 16, 2010	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	37 µg/m ³	volcanic emissions and wild brushfires
Jan. 15, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm 0.5 ppm	0.40 ppm 0.7 ppm (3-6 a.m.) 0.8 ppm (6-9 a.m.) 0.9 ppm (9 a.m.-noon)	volcanic emissions
Jan. 14, 2010	Pahala, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	volcanic emissions
Jan. 10, 2010	Pahala, Hawaii	SO ₂	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.26 ppm 1.0 ppm (3-6 a.m.) 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 9, 2010	Hilo, Hawaii	SO ₂	24-hour avg. 3-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm 0.5 ppm	0.21 ppm 0.7 ppm (3-6 a.m.) 0.7 ppm (6-9 a.m.)	volcanic emissions
Jan. 9, 2010	Mountain View, Hawaii	SO ₂	24-hour avg. 3-hour avg.	0.14 ppm 0.5 ppm	0.21 ppm 0.8 ppm (3-6 a.m.)	volcanic emissions
Jan. 9, 2010	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	38 µg/m ³	volcanic emissions and wild brushfires
Jan. 8, 2010	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	63 µg/m ³	volcanic emissions and wild brushfires
Jan. 7, 2010	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	39 µg/m ³	volcanic emissions and wild brushfires
Jan. 4, 2010	Mountain View, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	volcanic emissions
Jan. 2, 2010	Kona, Hawaii	PM _{2.5}	24-hour avg.	35 µg/m ³	37 µg/m ³	volcanic emissions and wild brushfires
Jan. 1, 2010	Honolulu, Oahu	PM _{2.5}	24-hour avg.	35 µg/m ³	62 µg/m ³	New Year's fireworks
Jan. 1, 2010	Pearl City, Oahu	PM _{2.5}	24-hour avg.	35 µg/m ³	45 µg/m ³	New Year's fireworks

Jan. 1, 2010	Sand Island, Oahu	PM _{2.5}	24-hour avg.	35 µg/m ³	36 µg/m ³	New Year's fireworks
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ppm = unit of the standard is in parts per million

µg/m³ = unit of the standard is in micrograms per cubic meter of air