## Facility-Level Emission Changes: 2009-2015

Emissions at facilities included in this analysis either increased or decreased from 2009 to 2015, using the following criteria:

- Analysis includes only coal units;
- Over 75% change in emission rate;
- Over 0.2 lb/mmBtu change in absolute emission rate; and
- Over 1,000 ton change in emissions of $SO_2$ or $NO_X$.

The analysis includes data submitted to EPA as of February 26, 2016. The presentation of this data is not intended to suggest the compliance status of these facilities with currently applicable federal, state, or local environmental requirements.

Facilities with Increasing $SO_2$

| Facility | $SO_2$ Emission Increase | $SO_2$ Rate Increase |
|---|---|---|
| Dolet Hills Power Station, Louisiana | 9,473 tons (81%) | 0.48 lb/mmBtu (100%) |
| Louisa, Iowa | 3,847 tons (171%) | 0.21 lb/mmBtu (215%) |
| Killen Station, Ohio | 3,710 tons (188%) | 0.22 lb/mmBtu (257%) |
| Watson Electric Generating Plant, Mississippi | 1,529 tons (12%) | 0.64 lb/mmBtu (76%) |

Facilities with Increasing $NO_X$

| Facility | $NO_X$ Emission Increase | $NO_X$ Rate Increase |
|---|---|---|
| Harrison Power Station, West Virginia | 13,139 tons (277%) | 0.22 lb/mmBtu (220%) |
| Keystone, Pennsylvania | 10,594 tons (285%) | 0.22 lb/mmBtu (296%) |
| Pleasants Power Station, West Virginia | 8,734 tons (341%) | 0.24 lb/mmBtu (284%) |
| Homer City, Pennsylvania | 7,522 tons (72%) | 0.20 lb/mmBtu (107%) |
| Montour, Pennsylvania | 5,889 tons (109%) | 0.24 lb/mmBtu (207%) |
| St. Johns River Power, Florida | 4,262 tons (60%) | 0.23 lb/mmBtu (142%) |

Facilities with Decreasing $SO_2$

| Facility | $SO_2$ Emission Decrease | $SO_2$ Rate Decrease |
|---|---|---|
| Keystone, Pennsylvania | 88,690 tons (78%) | 1.76 lb/mmBtu (78%) |
| Monroe, Michigan | 83,653 tons (97%) | 0.90 lb/mmBtu (97%) |
| Scherer, Georgia | 67,905 tons (98%) | 0.56 lb/mmBtu (97%) |
| Morgantown, Maryland | 66,817 tons (96%) | 2.11 lb/mmBtu (94%) |
| W H Sammis, Ohio | 65,940 tons (90%) | 1.56 lb/mmBtu (90%) |
| James H Miller Jr, Alabama | 61,410 tons (99%) | 0.59 lb/mmBtu (99%) |
| J M Stuart, Ohio | 54,580 tons (85%) | 0.64 lb/mmBtu (78%) |
| Kyger Creek, Ohio | 51,550 tons (91%) | 1.47 lb/mmBtu (86%) |
| Brunner Island, LLC, Pennsylvania | 50,811 tons (86%) | 1.15 lb/mmBtu (77%) |
| Clifty Creek, Indiana | 50,032 tons (92%) | 1.26 lb/mmBtu (89%) |
| Bowen, Georgia | 46,707 tons (85%) | 0.39 lb/mmBtu (76%) |
| Fort Martin Power Station, West Virginia | 43,481 tons (91%) | 2.19 lb/mmBtu (95%) |
| John E Amos, West Virginia | 43,208 tons (89%) | 0.65 lb/mmBtu (89%) |
| Sioux, Missouri | 43,139 tons (93%) | 1.61 lb/mmBtu (92%) |
| Leland Olds, North Dakota | 42,407 tons (96%) | 1.87 lb/mmBtu (96%) |
| Chalk Point, Maryland | 39,424 tons (96%) | 1.85 lb/mmBtu (91%) |
| Cheswick, Pennsylvania | 31,056 tons (95%) | 2.22 lb/mmBtu (94%) |
| E W Brown, Kentucky | 30,865 tons (96%) | 2.52 lb/mmBtu (96%) |
| R M Schahfer Generating Station, Indiana | 30,748 tons (95%) | 0.57 lb/mmBtu (92%) |
| Brandon Shores, Maryland | 29,868 tons (91%) | 0.88 lb/mmBtu (89%) |
| Chesterfield Power Station, Virginia | 29,751 tons (92%) | 0.69 lb/mmBtu (90%) |
| Crist Electric Generating Plant, Florida | 28,265 tons (96%) | 1.42 lb/mmBtu (95%) |
| Merrimack, New Hampshire | 28,207 tons (98%) | 2.13 lb/mmBtu (93%) |
| Wateree, South Carolina | 27,423 tons (98%) | 1.70 lb/mmBtu (98%) |

| | | |
|---|---|---|
| Sam Seymour, Texas | 26,609 tons (97%) | 0.43 lb/mmBtu (96%) |
| Dickerson, Maryland | 25,274 tons (98%) | 2.12 lb/mmBtu (94%) |
| Brayton Point, Massachusetts | 24,067 tons (96%) | 0.66 lb/mmBtu (88%) |
| Milton R Young, North Dakota | 22,989 tons (89%) | 0.85 lb/mmBtu (89%) |
| Columbia, Wisconsin | 22,946 tons (95%) | 0.64 lb/mmBtu (93%) |
| Cliffside, North Carolina | 21,867 tons (97%) | 1.42 lb/mmBtu (98%) |
| La Cygne, Kansas | 20,685 tons (97%) | 0.43 lb/mmBtu (96%) |
| Baldwin Energy Complex, Illinois | 20,683 tons (83%) | 0.33 lb/mmBtu (81%) |
| Naughton, Wyoming | 15,593 tons (77%) | 0.61 lb/mmBtu (77%) |
| Williams, South Carolina | 15,237 tons (90%) | 0.90 lb/mmBtu (90%) |
| Kincaid Generating Station, Illinois | 14,675 tons (86%) | 0.36 lb/mmBtu (81%) |
| Coffeen, Illinois | 13,361 tons (100%) | 0.56 lb/mmBtu (100%) |
| John S. Cooper, Kentucky | 13,355 tons (88%) | 1.63 lb/mmBtu (78%) |
| Merom, Indiana | 12,051 tons (82%) | 0.29 lb/mmBtu (75%) |
| Gibbons Creek Steam Electric Station, Texas | 11,777 tons (99%) | 0.69 lb/mmBtu (98%) |
| C P Crane, Maryland | 11,152 tons (89%) | 1.61 lb/mmBtu (76%) |
| South Oak Creek, Wisconsin | 10,698 tons (98%) | 0.44 lb/mmBtu (99%) |
| Ottumwa, Iowa | 10,697 tons (80%) | 0.45 lb/mmBtu (79%) |
| Coronado Generating Station, Arizona | 10,564 tons (94%) | 0.34 lb/mmBtu (94%) |
| Dan E Karn, Michigan | 10,511 tons (93%) | 0.74 lb/mmBtu (91%) |
| Asbury, Missouri | 9,872 tons (90%) | 1.31 lb/mmBtu (89%) |
| Kingston, Tennessee | 9,788 tons (87%) | 1.02 lb/mmBtu (94%) |
| J P Madgett, Wisconsin | 9,327 tons (93%) | 0.64 lb/mmBtu (89%) |
| Indian River, Delaware | 7,556 tons (92%) | 0.89 lb/mmBtu (81%) |
| Mercer Generating Station, New Jersey | 7,287 tons (99%) | 0.90 lb/mmBtu (97%) |
| Pawnee, Colorado | 6,730 tons (79%) | 0.67 lb/mmBtu (89%) |
| Genoa, Wisconsin | 6,057 tons (94%) | 0.68 lb/mmBtu (93%) |
| Deerhaven, Florida | 5,260 tons (91%) | 0.67 lb/mmBtu (85%) |
| Bailly Generating Station, Indiana | 4,389 tons (90%) | 0.26 lb/mmBtu (82%) |
| Havana, Illinois | 4,159 tons (83%) | 0.38 lb/mmBtu (84%) |
| Gadsden, Alabama | 3,427 tons (87%) | 1.92 lb/mmBtu (90%) |
| Dallman, Illinois | 2,410 tons (75%) | 0.22 lb/mmBtu (76%) |

Facilities with Decreasing $NO_X$

| Facility | $NO_X$ Emission Decrease | $NO_X$ Rate Decrease |
|---|---|---|
| Lansing, Iowa | 2,743 tons (90%) | 0.35 lb/mmBtu (85%) |