

Facility-Level Emission Changes: 2009-2014

Emissions at facilities included in this analysis either increased or decreased from 2009 to 2014, 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 SO₂ or NO_x.

The analysis includes data submitted to EPA as of March 9, 2015. 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 SO₂

Facility	SO ₂ Emission Increase	SO ₂ Rate Increase
Watson Electric Generating Plant, Mississippi	57,900 tons (454%)	2.41 lb/mmBtu (288%)
Killen Station, Ohio	11,123 tons (564%)	0.54 lb/mmBtu (623%)
St. Johns River Power, Florida	9,421 tons (104%)	0.28 lb/mmBtu (136%)
Eastlake, Ohio	9,387 tons (74%)	2.19 lb/mmBtu (118%)
Louisa, Iowa	6,533 tons (290%)	0.26 lb/mmBtu (266%)
Dolet Hills Power Station, Louisiana	2,456 tons (21%)	0.47 lb/mmBtu (96%)

Facilities with Increasing NO_x

Facility	NO _x Emission Increase	NO _x Rate Increase
New Madrid Power Plant, Missouri	17,663 tons (548%)	0.44 lb/mmBtu (479%)
Harrison Power Station, West Virginia	17,027 tons (359%)	0.26 lb/mmBtu (261%)
Keystone, Pennsylvania	13,291 tons (357%)	0.23 lb/mmBtu (307%)
Thomas Hill Energy Center, Missouri	11,634 tons (285%)	0.28 lb/mmBtu (271%)
Pleasants Power Station, West Virginia	10,384 tons (405%)	0.23 lb/mmBtu (275%)
W H Zimmer Generating Station, Ohio	7,649 tons (210%)	0.22 lb/mmBtu (199%)
Montour, Pennsylvania	7,010 tons (130%)	0.27 lb/mmBtu (230%)
Elmer Smith, Kentucky	4,339 tons (144%)	0.38 lb/mmBtu (180%)
Killen Station, Ohio	4,227 tons (147%)	0.22 lb/mmBtu (168%)
Asbury, Missouri	2,447 tons (308%)	0.38 lb/mmBtu (358%)

Facilities with Decreasing SO₂

Facility	SO ₂ Emission Decrease	SO ₂ Rate Decrease
Keystone, Pennsylvania	84,999 tons (75%)	1.76 lb/mmBtu (78%)
Monroe, Michigan	79,612 tons (93%)	0.85 lb/mmBtu (91%)
Morgantown, Maryland	66,671 tons (96%)	2.15 lb/mmBtu (96%)
Scherer, Georgia	64,347 tons (93%)	0.52 lb/mmBtu (92%)
W H Sammis, Ohio	63,352 tons (86%)	1.56 lb/mmBtu (90%)
James H Miller Jr, Alabama	61,309 tons (99%)	0.59 lb/mmBtu (98%)
J M Stuart, Ohio	53,149 tons (83%)	0.62 lb/mmBtu (76%)
Clifty Creek, Indiana	50,745 tons (93%)	1.30 lb/mmBtu (92%)
Brunner Island, Pennsylvania	49,240 tons (83%)	1.16 lb/mmBtu (78%)
Bowen, Georgia	47,607 tons (87%)	0.43 lb/mmBtu (83%)
Sioux, Missouri	44,958 tons (97%)	1.69 lb/mmBtu (97%)
Fort Martin Power Station, West Virginia	43,070 tons (90%)	2.17 lb/mmBtu (94%)
Leland Olds, North Dakota	42,717 tons (97%)	1.89 lb/mmBtu (96%)
John E Amos, West Virginia	42,396 tons (87%)	0.63 lb/mmBtu (87%)
Chalk Point, Maryland	37,048 tons (91%)	1.77 lb/mmBtu (87%)
E W Brown, Kentucky	30,346 tons (94%)	2.51 lb/mmBtu (95%)
Chesterfield Power Station, Virginia	30,125 tons (93%)	0.70 lb/mmBtu (91%)
Brandon Shores, Maryland	29,675 tons (90%)	0.87 lb/mmBtu (88%)

Cheswick, Pennsylvania	28,301 tons (86%)	2.08 lb/mmBtu (88%)
Merrimack, New Hampshire	27,799 tons (96%)	2.10 lb/mmBtu (92%)
Sam Seymour, Texas	26,748 tons (97%)	0.44 lb/mmBtu (97%)
Crist Electric Generating Plant, Florida	26,297 tons (90%)	1.35 lb/mmBtu (90%)
Dickerson, Maryland	25,048 tons (98%)	2.15 lb/mmBtu (96%)
Brayton Point, Massachusetts	23,792 tons (95%)	0.65 lb/mmBtu (86%)
Milton R Young, North Dakota	23,654 tons (92%)	0.87 lb/mmBtu (91%)
Wateree, South Carolina	21,445 tons (77%)	1.39 lb/mmBtu (80%)
Cliffside, North Carolina	21,241 tons (94%)	1.41 lb/mmBtu (97%)
Baldwin Energy Complex, Illinois	20,434 tons (82%)	0.34 lb/mmBtu (82%)
Williams, South Carolina	14,986 tons (89%)	0.89 lb/mmBtu (89%)
Kincaid Station, Illinois	14,223 tons (83%)	0.36 lb/mmBtu (81%)
Coffeen, Illinois	13,366 tons (99%)	0.56 lb/mmBtu (99%)
Gibbons Creek Steam Electric Station, Texas	11,222 tons (94%)	0.65 lb/mmBtu (93%)
R Gallagher, Indiana	11,094 tons (76%)	2.34 lb/mmBtu (75%)
South Oak Creek, Wisconsin	10,802 tons (99%)	0.45 lb/mmBtu (99%)
Coronado Generating Station, Arizona	10,338 tons (92%)	0.34 lb/mmBtu (92%)
Danskammer Generating Station, New York	9,712 tons (99%)	0.87 lb/mmBtu (91%)
Kingston, Tennessee	9,529 tons (85%)	1.02 lb/mmBtu (95%)
Indian River, Delaware	7,453 tons (91%)	0.92 lb/mmBtu (84%)
Mercer Generating Station, New Jersey	7,203 tons (98%)	0.89 lb/mmBtu (95%)
Genoa, Wisconsin	6,039 tons (94%)	0.68 lb/mmBtu (93%)
Havana, Illinois	3,950 tons (79%)	0.38 lb/mmBtu (85%)

Facilities with Decreasing NO_x

<u>Facility</u>	<u>NO_x Emission Decrease</u>	<u>NO_x Rate Decrease</u>
No facilities		