

Facility-Level Emission Changes: 2009-2018

Emissions at facilities included in this analysis either increased or decreased from 2009 to 2018, using the following criteria:

- 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 May 9, 2019. 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
None		

Facilities with Increasing NO_x

Facility	NO _x Emission Increase	NO _x Rate Increase
New Madrid Power Plant, Missouri	11,610 tons (360%)	0.32 lb/mmBtu (345%)

Facilities with Decreasing SO₂

Facility	SO ₂ Emission Decrease	SO ₂ Rate Decrease
E C Gaston, Alabama	99,709 tons (97%)	2.29 lb/mmBtu (96%)
Homer City, Pennsylvania	96,207 tons (95%)	1.64 lb/mmBtu (90%)
Keystone, Pennsylvania	89,187 tons (79%)	1.88 lb/mmBtu (83%)
Monroe, Michigan	82,044 tons (96%)	0.88 lb/mmBtu (95%)
W H Sammis, Ohio	71,478 tons (97%)	1.66 lb/mmBtu (95%)
Scherer, Georgia	68,380 tons (98%)	0.56 lb/mmBtu (98%)
Morgantown, Maryland	68,026 tons (98%)	2.11 lb/mmBtu (95%)
James H Miller Jr, Alabama	61,392 tons (99%)	0.59 lb/mmBtu (99%)
Crystal River, Florida	56,660 tons (84%)	0.94 lb/mmBtu (82%)
Brunner Island, LLC, Pennsylvania	56,599 tons (96%)	1.27 lb/mmBtu (86%)
Kyger Creek, Ohio	51,427 tons (91%)	1.56 lb/mmBtu (91%)
Clifty Creek, Indiana	49,349 tons (91%)	1.27 lb/mmBtu (89%)
Sioux, Missouri	44,166 tons (95%)	1.68 lb/mmBtu (96%)
John E Amos, West Virginia	43,854 tons (90%)	0.66 lb/mmBtu (90%)
Fort Martin Power Station, West Virginia	42,734 tons (90%)	2.14 lb/mmBtu (93%)
Leland Olds, North Dakota	42,450 tons (96%)	1.87 lb/mmBtu (95%)
Chalk Point, Maryland	40,455 tons (98%)	1.73 lb/mmBtu (95%)
IPL - Petersburg Generating Station, Indiana	33,559 tons (84%)	0.56 lb/mmBtu (81%)
Shawville, Pennsylvania	32,971 tons (100%)	2.86 lb/mmBtu (100%)
Greene County, Alabama	31,574 tons (100%)	2.42 lb/mmBtu (100%)
Chesterfield Power Station, Virginia	31,367 tons (97%)	0.59 lb/mmBtu (93%)
E W Brown, Kentucky	31,235 tons (97%)	2.44 lb/mmBtu (97%)
R M Schahfer Generating Station, Indiana	30,970 tons (95%)	0.59 lb/mmBtu (94%)
Cheswick, Pennsylvania	29,365 tons (90%)	1.88 lb/mmBtu (80%)
Brandon Shores, Maryland	29,290 tons (89%)	0.85 lb/mmBtu (87%)
Crist Electric Generating Plant, Florida	28,671 tons (98%)	1.46 lb/mmBtu (97%)
Yates, Georgia	28,446 tons (100%)	2.03 lb/mmBtu (100%)
Merrimack, New Hampshire	28,411 tons (99%)	2.16 lb/mmBtu (95%)
Wateree, South Carolina	26,976 tons (96%)	1.68 lb/mmBtu (97%)
J H Campbell, Michigan	26,786 tons (84%)	0.50 lb/mmBtu (80%)
Sam Seymour, Texas	26,207 tons (95%)	0.43 lb/mmBtu (95%)
Dickerson, Maryland	25,565 tons (99%)	2.13 lb/mmBtu (96%)
Barry, Alabama	25,330 tons (83%)	0.43 lb/mmBtu (81%)

IPL - Harding Street Station (EW Stout), Indiana	23,593 tons (100%)	1.19 lb/mmBtu (100%)
Milton R Young, North Dakota	22,948 tons (89%)	0.85 lb/mmBtu (89%)
Columbia, Wisconsin	22,066 tons (91%)	0.63 lb/mmBtu (92%)
Baldwin Energy Complex, Illinois	21,841 tons (88%)	0.33 lb/mmBtu (80%)
Coal Creek, North Dakota	21,780 tons (76%)	0.44 lb/mmBtu (76%)
Cliffside, North Carolina	21,134 tons (94%)	1.40 lb/mmBtu (96%)
La Cygne, Kansas	20,763 tons (97%)	0.43 lb/mmBtu (96%)
Mill Creek, Kentucky	20,482 tons (85%)	0.39 lb/mmBtu (82%)
Daniel Electric Generating Plant, Mississippi	19,638 tons (99%)	0.39 lb/mmBtu (99%)
Gallatin, Tennessee	17,834 tons (91%)	0.55 lb/mmBtu (90%)
Grand River Dam Authority, Oklahoma	17,370 tons (96%)	0.38 lb/mmBtu (87%)
Williams, South Carolina	16,321 tons (96%)	0.96 lb/mmBtu (96%)
Naughton, Wyoming	16,185 tons (80%)	0.63 lb/mmBtu (80%)
John S. Cooper, Kentucky	15,011 tons (99%)	2.04 lb/mmBtu (98%)
Kincaid Generating Station, Illinois	14,780 tons (87%)	0.36 lb/mmBtu (80%)
Joliet 29, Illinois	14,533 tons (100%)	0.44 lb/mmBtu (99%)
R Gallagher, Indiana	13,470 tons (92%)	2.35 lb/mmBtu (76%)
Coffeen, Illinois	13,365 tons (100%)	0.56 lb/mmBtu (100%)
Watson Electric Generating Plant, Mississippi	12,761 tons (100%)	0.84 lb/mmBtu (100%)
Ottumwa, Iowa	12,083 tons (90%)	0.51 lb/mmBtu (89%)
Gibbons Creek Steam Electric Station, Texas	11,660 tons (98%)	0.64 lb/mmBtu (92%)
Coronado Generating Station, Arizona	11,109 tons (99%)	0.36 lb/mmBtu (98%)
Allen, Tennessee	10,957 tons (92%)	0.41 lb/mmBtu (86%)
Dan E Karn, Michigan	10,924 tons (93%)	0.76 lb/mmBtu (94%)
South Oak Creek, Wisconsin	10,754 tons (99%)	0.44 lb/mmBtu (99%)
Big Stone, South Dakota	10,648 tons (91%)	0.63 lb/mmBtu (89%)
Asbury, Missouri	10,267 tons (93%)	1.32 lb/mmBtu (89%)
Waukegan, Illinois	10,218 tons (90%)	0.38 lb/mmBtu (75%)
Anclote, Florida	10,070 tons (100%)	0.94 lb/mmBtu (100%)
Kingston, Tennessee	9,933 tons (88%)	1.01 lb/mmBtu (93%)
Danskammer Generating Station, New York	9,846 tons (100%)	0.93 lb/mmBtu (99%)
J P Madgett, Wisconsin	9,154 tons (91%)	0.64 lb/mmBtu (89%)
Big Sandy, Kentucky	8,693 tons (100%)	1.36 lb/mmBtu (100%)
Boswell Energy Center, Minnesota	8,456 tons (92%)	0.27 lb/mmBtu (93%)
Michigan City Generating Station, Indiana	8,433 tons (89%)	0.78 lb/mmBtu (90%)
New Castle, Pennsylvania	7,627 tons (100%)	2.18 lb/mmBtu (100%)
Weston, Wisconsin	7,426 tons (92%)	0.27 lb/mmBtu (90%)
Edgewater (4050), Wisconsin	7,262 tons (93%)	0.64 lb/mmBtu (93%)
Bremo Power Station, Virginia	6,969 tons (100%)	1.47 lb/mmBtu (100%)
Martin Drake, Colorado	6,711 tons (98%)	0.73 lb/mmBtu (96%)
Pawnee, Colorado	6,672 tons (78%)	0.66 lb/mmBtu (87%)
McMeekin, South Carolina	6,583 tons (100%)	1.50 lb/mmBtu (100%)
Genoa, Wisconsin	5,988 tons (93%)	0.68 lb/mmBtu (93%)
Flint Creek Power Plant, Arkansas	5,957 tons (87%)	0.41 lb/mmBtu (87%)
Valley (WEPCO), Wisconsin	5,374 tons (100%)	0.78 lb/mmBtu (100%)
Deerhaven, Florida	5,278 tons (91%)	0.59 lb/mmBtu (84%)
Bailly Generating Station, Indiana	4,850 tons (99%)	0.28 lb/mmBtu (89%)
Lansing, Iowa	4,557 tons (94%)	0.60 lb/mmBtu (92%)
Urquhart, South Carolina	4,416 tons (100%)	0.40 lb/mmBtu (100%)
Apache Station, Arizona	4,041 tons (97%)	0.32 lb/mmBtu (96%)
Havana, Illinois	3,952 tons (79%)	0.37 lb/mmBtu (83%)
Gadsden, Alabama	3,918 tons (100%)	2.12 lb/mmBtu (100%)
Quindaro, Kansas	3,600 tons (100%)	0.52 lb/mmBtu (95%)
Ray D Nixon, Colorado	3,527 tons (90%)	0.37 lb/mmBtu (83%)
Joliet 9, Illinois	3,441 tons (100%)	0.45 lb/mmBtu (98%)
Clinch River, Virginia	3,001 tons (95%)	0.86 lb/mmBtu (94%)
James River, Missouri	2,543 tons (100%)	0.54 lb/mmBtu (100%)
W S Lee, South Carolina	2,307 tons (100%)	1.54 lb/mmBtu (100%)
Platte, Nebraska	2,156 tons (80%)	0.58 lb/mmBtu (79%)
Edge Moor, Delaware	2,110 tons (92%)	0.57 lb/mmBtu (86%)

Riverside (1081), Iowa	1,919 tons (100%)	0.67 lb/mmBtu (100%)
Lake Road, Missouri	1,742 tons (100%)	0.65 lb/mmBtu (100%)
Laskin Energy Center, Minnesota	1,254 tons (100%)	0.37 lb/mmBtu (100%)
S A Carlson, New York	1,003 tons (100%)	2.42 lb/mmBtu (100%)

Facilities with Decreasing NO_x

Facility	NO _x Emission Decrease	NO _x Rate Decrease
Four Corners Steam Elec Station, New Mexico	21,738 tons (82%)	0.37 lb/mmBtu (76%)
Grand River Dam Authority, Oklahoma	13,391 tons (93%)	0.26 lb/mmBtu (76%)
Big Stone, South Dakota	10,764 tons (91%)	0.63 lb/mmBtu (89%)
Hayden, Colorado	6,045 tons (90%)	0.31 lb/mmBtu (87%)
Shawville, Pennsylvania	4,466 tons (95%)	0.34 lb/mmBtu (83%)
Lansing, Iowa	2,819 tons (92%)	0.37 lb/mmBtu (89%)
Inland Empire Energy Center, California	2,533 tons (100%)	0.36 lb/mmBtu (98%)
Comanche (8059), Oklahoma	2,389 tons (98%)	0.57 lb/mmBtu (90%)
Cherokee, Colorado	1,998 tons (77%)	0.28 lb/mmBtu (88%)
McMeekin, South Carolina	1,262 tons (84%)	0.26 lb/mmBtu (75%)
New Castle, Pennsylvania	1,119 tons (87%)	0.30 lb/mmBtu (82%)