

# EPA GREENHOUSE GAS REGULATIONS (2009 – Present)\*

**Background:** Since 2009, more than 100 greenhouse gas regulations have been proposed or finalized by the Environmental Protection Agency, exceeding 5,600 pages in the Federal Register. The rules and related links are provided below:

## **"ENDANGERMENT FINDING"** (See [EPA Climate Change Regulatory Initiatives](#))

1. "Endangerment and Cause or Contribute Findings for Greenhouse Gases Under Section 202(a) of the Clean Air Act," 74 Fed. Reg. 66496 (December 15, 2009) ("Endangerment Finding"); [Final Rule](#) (51 pages)

## **TRANSPORTATION SECTOR REGULATIONS** (See [Transportation and Climate Regulations and Standards](#))

2. "Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standard," 75 Fed. Reg. 25323 (May 7, 2010) (a/k/a "Tailpipe Rule"); [Final Rule](#) (405 pages)
3. "Greenhouse Gas Emissions Standards and Fuel Efficiency Standards: Medium- and Heavy-Duty Engines and Vehicle," 76 Fed. Reg. 57106 (Sept. 15, 2011) (a/k/a "Truck Rule"); [Final Rule](#) (408 pages);
4. "2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Fuel Economy Standards," 77 Fed. Reg. 62624 (Oct. 15, 2012); [Final Rule](#) (576 pages); see also "Proposed Determination on the Appropriateness of the Model Year 2022-20125 Light-Duty Vehicle Greenhouse Gas Emissions Standards Under the Midterm Evaluation," 81 Fed. Reg. 87927 (Dec. 6, 2016); [Notice of availability of a proposed order](#) (2 pages)
5. "Heavy-Duty Engine and Vehicle, and Nonroad Technical Amendments," 78 Fed. Reg. 36370 (June 17, 2013); [Direct Final Rule](#) (38 pages)
6. "Regulation of Fuels and Fuel Additives: Changes to Renewable Fuel Standard Program," 75 Fed. Reg. 14670 (March 26, 2010); [Final Rule](#) (235 pages)
7. "Renewable Fuel Standard Program: Standards for 2014, 2015, and 2016 and Biomass-Based Diesel Volume for 2017), 80 Fed. Reg. 77420 (Dec. 14, 2015); [Final Rule](#) (100 pages); see also "Regulation of Fuels and Fuel Additives: Cellulosic Waiver Credit Price and Minor Amendments to Renewable Fuel Standard Regulations," 80 Fed. Reg. 18136 (April 3, 2015), [Direct Final Rule](#) (6 pages)
8. "Renewable Fuel Standard Program: Standards of 2017 and Biomass-Based Diesel Volume for 2018," 81 Fed. Reg. 89746 (Dec.12, 2016); [Final Rule](#) (59 pages)
9. "Finding That Greenhouse Gas Emissions From Aircraft Cause or Contribute to Air Pollution that May Reasonably Be Anticipated To Endanger Public Health and Welfare and Advance Notice of Proposed Rulemaking," 81 Fed. Reg. 54422 (Aug. 15, 2016); [Final Rule](#) (55 pages)
10. "Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles-Phase 2," 81 Fed. Reg. 73478 (Oct. 25, 2016); [Final Rule](#) (797 pages)

## **POWER PLANT REGULATIONS** (See ["The Clean Power Plan"](#))

11. "Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units," 80 Fed. Reg. 64662 (Oct. 23, 2015); [Final Rule](#) (304 pages)<sup>1</sup>
12. "Standards of Performance for Greenhouse Gas Emissions From New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units," 80 Fed. Reg. 64510 (Oct. 23, 2015); [Final Rule](#) (152 pages)<sup>2</sup>; see also "Reconsideration of Standards of Performance for Greenhouse Gas Emissions from New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units," 81 Fed. Reg. 27442 (May 6, 2016); [Notice of final action denying petitions for reconsideration](#)
13. "Federal Plan Requirements for Greenhouse Gas Emissions From Electric Utility Generating Units Constructed on or Before January 8, 2014; Model Trading Rules; Amendments to Framework Regulations," 80 Fed. Reg. 64966 (Oct. 23, 2015), [Proposed Rule](#) (152 pages); see also [Draft Guidance](#) entitled "Evaluation Measurement and Verification (EM&V) Guidance for Demand-Side Energy Efficiency (EE)," August 3, 2015 (72 pages) – Note: The Model Rules rulemaking has been withdrawn. See Dec. 19, 2016 [Blog Post](#) entitled "Update on EPA's Clean Power Plan Model Rules." On Dec. 19, 2016, the agency posted a 649-page document entitled "[Draft Model Trading Rules for Greenhouse Gas Emissions from Electric Utility Generating Units Constructed on or Before January 8, 2014](#)," a 57-page document entitled "[Draft EM&V Guidance for Demand-Side Energy Efficiency](#)," a 19-page document entitled "[Draft Clean Power Plan Tracking Systems White Paper](#)," and 48-page document entitled "[Draft Technical Support Document: Leakage Requirement for State Plans Using Mass-based Emission Budget Trading Programs](#)."
14. "Clean Energy Incentive Program Design Details," 81 Fed. Reg. 42940 (June 30, 2016); [Proposed Rule](#) (44 pages)

**PRECONSTRUCTION AND OPERATING PERMITS** (See [CAA Permitting for GHGs](#))

GHG PERMITTING REQUIREMENTS

15. "Reconsideration of Interpretation of Regulations that Determine Pollutants Covered by Clean Air Act Permitting Programs," 75 Fed. Reg. 17004 (April 2, 2010) (a/k/a "Timing Rule" or "Triggering Rule"); [Final Rule](#) (20 pages)
16. "Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule; Final Rule," 75 Fed. Reg. 31514 (June 3, 2010) (a/k/a "Tailoring Rule"); [Final Rule](#) (95 pages).<sup>3</sup> On June 2014 U.S. Supreme Court issued a decision in [Utility Air Regulatory Group v. EPA](#) finding the Tailoring Rule exceeded the agency's authority.<sup>4</sup>

<sup>1</sup> See also EPA website: [Clean Power Plan for Existing Power Plants](#). For documents relating to the proposed rule, see [Legal Memorandum and Technical Support Documents](#).

<sup>2</sup> See also EPA website: [Carbon Pollution Standards for New, Modified and Reconstructed Power Plants](#).

<sup>3</sup> The Supreme Court stated: "[We hold that EPA exceeded its statutory authority when it interpreted the Clean Air Act to require PSD and Title V permitting for stationary sources based on their greenhouse-gas emissions](#)"; see also [D.C. Circuit Court Amended Judgment](#). See also "[PSD and Title V Permitting Guidance for Greenhouse Gases](#)" (96 pages), interim guidance for [bioenergy production](#) (35 pages), and 8 "White Papers" issued in March 2011 relating to reducing GHG emissions from [electric generating units](#) (48 pages), [boilers](#) (39 pages), [pulp and paper](#) (62 pages), [cement](#) (48 pages), [iron and steel](#) (78 pages), [refineries](#) (42 pages), [nitric acid production](#) (31 pages) and [landfills](#) (28 pages). See also Guidance [Qs & As](#).

<sup>4</sup> See also EPA [Memo](#) entitled "Next Steps and Preliminary Views on the Application of Clean Air Act Permitting Programs to Greenhouse Gases Following the Supreme Court's Decision in *Utility Air Regulatory Group v. Environmental Protection Agency*" (July 24, 2014); EPA [Memo](#) entitled "No Action Assurance Regarding EPA-Issued Step 2 prevention of Significant Deterioration Permits and Related Title V Requirements Following *Utility Air Regulatory Group v. Environmental Protection Agency*" (Dec. 19, 2014).

17. "Action To Ensure Authority To Issue Permits Under the Prevention of Significant Deterioration Program to Sources of Greenhouse Gas Emissions: Finding of Substantial Inadequacy and SIP Call," 75 Fed. Reg. 77698 (December 13, 2010) (a/k/a "GHG SIP Call Rule"); [Final Rule](#) (22 pages)
18. "Action to Ensure Authority to Issue Permits Under the Prevention of Significant Deterioration Program to Sources of Greenhouse Gas Emissions: Finding of Failure To Submit State Implementation Plan Revisions Required for Greenhouse Gases," 75 Fed. Reg. 81874 (December 29, 2010) (a/k/a "Failure to Submit SIP Revisions Rule" or "Failure Finding Rule"); [Final Rule](#) (5 pages)
19. "Action to Ensure Authority to Issue Permits Under the Prevention of Significant Deterioration Program to Sources of Greenhouse Gas Emissions; Federal Implementation Plan," 75 Fed. Reg. 82246 (Dec. 30, 2010) (a/k/a "GHG FIP Rule" or "FIP Rule"); [Final Rule](#) (9 pages)
20. "Determinations Concerning Need for Error Correction, Partial Approval and Partial Disapproval, and Federal Implementation Regarding Texas Prevention of Significant Deterioration Program," 75 Fed. Reg. 82430, and Proposed Rule, 75 Fed. Reg. 82365 (Dec. 30, 2010) (a/k/a "Interim Error Correction Rule"); [Interim Final Rule](#); [Proposed Rule](#) (32 pages)
21. "Limitation of Approval of Prevention of Significant Deterioration Provisions Concerning Greenhouse Gas Emitting –Sources in State Implementation Plans," 75 Fed. Reg. 82336 (Dec. 30, 2010) ("Narrowing Rule" for PSD Permitting for GHGs); [Final Rule](#) (29 pages)
22. "Action To Ensure Authority To Implement Title V Permitting Programs Under the Greenhouse Gas Tailoring Rule," 75 Fed. Reg. 82254 (Dec. 30, 2010) (Final Title V Permitting Programs Under Tailoring Rule); [Final Rule](#) (16 pages)
23. "Determinations Concerning Need for Error Correction, Partial Approval and Partial Disapproval, and Federal Implementation Plan Regarding Texas's Prevention of Significant Deterioration Program," 76 Fed. Reg. 25178 (May 3, 2011)(a/k/a "Error Correction Rule"); [Final Rule](#) (32 pages)
24. "Deferral for CO2 Emissions from Bioenergy and Other Biogenic Sources Under the Prevention of Significant Deterioration (PSD) and Title V Programs," 76 Fed. Reg. 43490 (July 20, 2011); [Final Rule](#) (19 pages); [vacated](#) by the U.S. Court of Appeals for the District of Columbia on July 12, 2013.
25. "Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule Step 3 and GHG Plantwide Applicability Limits," 77 Fed. Reg. 41051 (July 12, 2012): [Final Rule](#) (25 pages)
26. "Prevention of Significant Deterioration Permitting for Greenhouse Gases: Providing Option for Rescission of EPA-Issued Tailoring Rule Step 2 Prevention of Significant Deterioration Permits," 80 Fed. Reg. 26183 (May 7, 2015); [Direct Final Rule](#) (7 pages)
27. "Prevention of Significant Deterioration Permitting for Greenhouse Gases: Providing Option for Rescission of EPA-Issued Tailoring Rule Step 2 Prevention of Significant Deterioration Permits," 80 Fed. Reg. 26210 (May 7, 2015); [Proposed Rule](#) (3 pages)
28. "Revisions to the Prevention of Significant Deterioration (PSD) and Title V Greenhouse Gas (GHG) Permitting Regulations and Establishment of a Significant Emissions Rate (SER) for GHG Emissions Under the PSD Program," 81 Fed. Reg. 68110 (Oct. 3, 2016); [Proposed Rule](#) (38 pages)

#### STATE IMPLEMENTATION PLANS - GHG PERMITTING REVISIONS

29. "Approval and Promulgation of Implementation Plans; **Kentucky**: Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule Revision," 75 Fed. Reg. 81868 (December 29, 2010); [Final Rule](#) (6 pages)
30. "Removal of Limitation of Approval of Prevention of Significant Deterioration Provisions: Removal of Limitation of Approval of Prevention of Significant Deterioration Provisions Concerning Greenhouse Gas

- Emitting-Sources in State Implementation Plans; **Alabama***," 76 Fed. Reg. 5272 (Jan. 31, 2011); [Final Rule](#) (3 pages)
31. "*Removal of Limitation of Approval of Prevention of Significant Deterioration Provisions Concerning Greenhouse Gas Emitting-Sources in State Implementation Plans, **Mississippi***," 76 Fed. Reg. 5274 (Jan. 31, 2011); [Final Rule](#) (3 pages)
  32. "*Approval and Promulgation of Implementation Plans: **Alaska**: Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule Revision*," 76 Fed. Reg. 7116 (Feb. 9, 2011); [Final Rule](#) (2 pages)
  33. "*Approval and Promulgations of Implementation Plans: **Kansas**; Prevention of Significant Deterioration; Greenhouse Gas (GHG) Permitting Authority and Tailoring Rule Revision; Withdrawal of Federal GHG Implementation Plan for Kansas*," 76 Fed. Reg. 9658 (Feb. 22, 2011); [Final Rule](#) (8 pages)
  34. "*Approval and Promulgation of Implementation Plans: **Nebraska**: Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule Revision*," 76 Fed. Reg. 15852 (March 22, 2011); [Final Rule](#) (4 pages)
  35. "*Revisions to the California State Implementation Plan, **Northern Sonoma County Air Pollution Control District** (NASCAPCD) and **Mendocino County Air Quality Management District** (MCAQMD)*," 76 Fed. Reg. 26192 (May 6, 2011); [Direct Final Rule](#) (3 pages)
  36. "*Approval and Promulgation of Implementation Plans: **Connecticut**; Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule Revision*," 76 Fed. Reg. 26933 (May 10, 2011); [Final Rule](#) (6 pages)
  37. "*Approval and Promulgation of Air Quality Implementation Plans: **Virginia**; Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule Revision*," 76 Fed. Reg. 27898 (May 13, 2011); [Final Rule](#) (7 pages); see also "*Approval and Promulgation of Air Quality Implementation Plans; Virginia; Prevention of Significant Deterioration; Plantwide Applicability Limits for Greenhouse Gases*," 80 Fed. Reg. 32078 (June 5, 2015); [Proposed Rule](#) (4 pages)
  38. "*Approval and Promulgation of Air Quality Implementation Plans; **New Mexico**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions*," 76 Fed. Reg. 43149 (July 20, 2011); [Final Rule](#) (5 Pages)
  39. "*Approval and Promulgation of Implementation Plans; **Georgia**: Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule and Fine Particulate Matter Revision*," 76 Fed. Reg. 55572 (Sept. 8, 2011); [Final Rule](#) (6 pages)
  40. "*Approval and Promulgation of Air Quality Implementation Plans: **Indiana**; Prevention of Significant Deterioration Greenhouse Gas Tailoring Rule*," 76 Fed. Reg. 59899 (Sept. 28, 2011); [Final Rule](#) (3 pages)
  41. "*Approval and Promulgation of Implementation Plans: **North Carolina**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revision*," 76 Fed. Reg. 64240 (Oct. 18, 2011); [Final Rule](#) (5 pages)
  42. "*Approval and Promulgation of Implementation Plans; **Iowa**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revision*," 76 Fed. Reg. 67067 (Oct. 31, 2011); [Final Rule](#) (4 pages)
  43. "*Approval and Promulgation of Implementation Plans; **Oregon**: New Source Review/Prevention of Significant Deterioration Rule Revisions and Air Quality Permit Streamlining Rule Revisions*," 76 Fed. Reg. 80747 (December 27, 2011); [Final Rule](#) (8 Pages)

44. "Approval and Promulgation of Air Quality Implementation Plans: **New Mexico**; Albuquerque/Bernalillo County; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions," 76 Fed. Reg. 81836 (Dec. 29, 2011); [Final Rule](#) (3 pages)
45. "Approval and Promulgation of Implementation Plans: **New Hampshire**: Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule," 77 Fed. Reg. 5700 (Feb. 6, 2012); [Final Rule](#) (4 pages)
46. "Approval and Promulgation of Implementation Plans: **Tennessee**: Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revision," 77 Fed. Reg. 11744 (Feb. 28, 2012); [Final Rule](#) (5 pages)
47. "Approval and Promulgation of Implementation Plans: **Tennessee**: Prevention of Significant Deterioration; Greenhouse Gases-Automatic Rescission Provisions," 77 Fed. Reg. 12484 (March 1, 2012); [Final Rule](#) (5 pages)
48. "Approval and Promulgation of State Implementation Plans: **Missouri**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule; New Source Review Reform," 77 Fed. Reg. 22500 (April 16, 2012); [Final Rule](#) (5 pages)
49. "Approval and Promulgation of Implementation Plans; **Idaho**: Infrastructure Requirements for the 1997 8-Hour Ozone National Ambient Air Quality Standard; Prevention of Significant Deterioration Greenhouse Gas Permitting Authority and Tailoring Rule," 77 Fed. Reg. 41916 (July 17, 2012); [Final Rule](#) (4 pages)
50. "Approval and Promulgation of Air Quality Implementation Plans; **Maryland**; Preconstruction Requirements-Prevention of Significant Deterioration and Nonattainment New Source Review," 77 Fed. Reg. 45949 (August 2, 2012); [Final Rule](#) (5 pages)
51. "Approval and Promulgation of Implementation Plans: **Vermont**: Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule; PM2.5 NSR Implementation Rule," 77 Fed. Reg. 60907 (Oct. 5, 2012); [Final Rule](#) (4 pages)
52. "Approval and Promulgation of Implementation Plans; **Kentucky**; Approval of Revisions to the Jefferson County Portion of the Kentucky SIP; New Source Review; Prevention of Significant Deterioration," 77 Fed. Reg. 62150 (October 12, 2012); [Final Rule](#) (7 pages)
53. "Approval and Promulgation of Air Quality Implementation Plans; **West Virginia**; Prevention of Significant Deterioration," 77 Fed. Reg. 63736 (October 17, 2012); [Final Rule](#) (8 pages)
54. "Limited Approval and Disapproval of Air Quality Implementation Plans; **Nevada**; Clark County; Stationary Source Permits," 77 Fed. Reg. 64039 (October 18, 2012); [Final Rule](#) (12 pages)
55. "Approval and Promulgation of Implementation Plans: **North Dakota**: Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule," 77 Fed. Reg. 64734 (Oct. 23, 2012); [Final Rule](#) (4 pages)
56. "Approval of Air Quality Implementation Plans: **California; South Coast Air Quality Management District**; Prevention of Significant Deterioration; Greenhouse Gases," 77 Fed. Reg. 73320 (Dec. 10, 2012); [Final Rule](#) (3 pages)
57. "Approvals and Promulgation of Air Quality Implementation Plans: **Delaware**; Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule Revision," 78 Fed. 13496 (Feb. 28, 2013); [Final Rule](#) (2 pages)
58. "Approval and Promulgation of Air Quality Implementation Plans; **Arkansas**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions," 78 Fed. 19596 (April 2, 2013); [Final Rule](#) (3 pages)

pages); see also "Approval and Promulgation of Implementation Plans; Arkansas; Prevention of Significant Deterioration; Greenhouse Gas Plantwide Applicability Limit Permitting Revisions," 80 Fed. Reg. 38625 (July 7, 2015); [Final Rule](#) (4 pages)

59. "Approval and Promulgation of Implementation Plans: **North Carolina**; Deferral of Carbon Dioxide (CO<sub>2</sub>) Emissions from Prevention of Significant Deterioration (PSD) Requirements for Greenhouse Gases (GHG)," 78 Fed. Reg. 235; [Proposed Rule](#) (4 pages)
60. "Approval and Promulgation of Air Quality Implementation Plans; **Wisconsin**; Prevention of Significant Deterioration Greenhouse Gas Tailoring and Biomass Deferral Rule;" 78 Fed. Reg. 30208 (May 22, 2013); [Final Rule](#) (2 pages)
61. "Approval and Promulgation of Air Quality Implementation Plans; **Rhode Island**; Prevention of Significant Deterioration Greenhouse Gas Permitting Authority and Tailoring," 78 Fed. Reg. 63383 (October 24, 2013); [Final Rule](#) (6 pages)
62. "Approval and Promulgation of Air Quality Implementation Plans; **Wyoming**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions; Rescission of Federal Implementation Plan," 78 Fed. Reg. 69998 (November 22, 2013); [Final Rule](#) (4 pages)
63. "Approval and Promulgation of Air Quality Implementation Plans; **New Mexico**; Prevention of Significant Deterioration: Greenhouse Gas Plantwide Applicability Limit Permitting Revisions," 78 Fed. Reg. 75253 (December 11, 2013); [Final Rule](#) (2 pages)
64. "Approval and Promulgation of State Implementation Plans: **Utah**; Prevention of Significant Deterioration; Greenhouse Gas Permitting Authority and Tailoring Rule," 79 Fed. Reg. 7070 (Feb. 6, 2014); [Final Rule](#) (4 pages)
65. "Approval and Promulgation of Air Quality Implementation Plans; **South Dakota**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions," 79 Fed. Reg. 8130 (Feb. 11, 2014); [Proposed Rule](#) (4 pages)
66. "Approval and Promulgation of Air Quality Implementation Plans; **Texas**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Revisions," 79 Fed. Reg. 66626 (Nov. 10, 2014), [Final Rule](#) (16 pages); see also "Approval and Promulgation of Air Quality Implementation Plans; Withdrawal of Federal Implementation Plan; Texas; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions," 79 Fed. Reg. 66641 (Nov. 10, 2014); [Final Rule](#) (11 pages)
67. "Approval and Promulgation of Air Quality Implementation Plans; **Colorado**; Prevention of Significant Deterioration; Greenhouse Gas Tailoring Rule Revisions," 79 Fed. Reg. 2144 (January 13, 2014); [Final Rule](#) (3 pages)
68. "Approval and Promulgation of Air Quality Implementation Plans; **Virginia**; Prevention of Significant Deterioration; Plantwide Applicability Limits for Greenhouse Gases," 80 Fed. Reg. 72903 (Nov. 23, 2015), [Final Rule](#) (4 pages)
69. "Approval of **Missouri's** Air Quality Implementation Plans and Operating Permits Program: Greenhouse Gas Tailoring Rule and Non-Substantive Definition and Language Changes," 81 Fed. Reg. 67954 (Oct. 3, 2016); [Proposed Rule](#) (1 page) and "Approval of **Missouri's** Air Quality Implementation Plans and Operating Permits Program: Greenhouse Gas Tailoring Rule and Non-Substantive Definition and Language Changes," 81 Fed. Reg. 67915 (Oct. 3, 2016); [Direct Final Rule](#) (3 pages)
70. "Approval of **Iowa's** State Implementation Plan (SIP); Definition of Greenhouse Gas and Prevention of Significant Deterioration (PSD) Plantwide Applicability Limits (PALs) Revisions, 81 Fed. Reg. 39604 (June 17, 2016); [Proposed Rule](#) (2 pages); and "Approval of **Iowa's** State Implementation Plan (SIP);

*Definition of Greenhouse Gas and Prevention of Significant Deterioration (PSD) Plantwide Applicability Limits (PALs) Revisions*, 81 Fed. Reg. 39585 (June 17, 2016); [Direct Final Rule](#) (3 pages)

71. "Approval and Promulgation of Implementation Plans; **Louisiana**; Permitting of Greenhouse Gases," 81 Fed. Reg. 46606 (July 18, 2016); [Final Rule](#) (3 pages)
72. "Approval and Promulgation of Implementation Plans; **Arkansas; New Mexico; Oklahoma**; Disapproval of Greenhouse Gas Biomass Deferral, Step 2 and Minor Source Permitting Requirements, 81 Fed. Reg. 32239 (May 23, 2016); [Final Rule](#) (3 pages)

#### **GREENHOUSE GAS REPORTING RULES (See [GHG Reporting Program](#))**

73. "Mandatory Reporting of Greenhouse Gases; Final Rule," 74 Fed. Reg. 56260 (October 30, 2009); [Final Rule](#) (260 pages)
74. "Mandatory Reporting of Greenhouse Gases: Minor Harmonizing Changes to the General Provisions" 75 Fed. Reg. 12451 (March 16, 2010); [Direct Final Rule](#) (7 pages)
75. "Mandatory Reporting of Greenhouse Gases From Magnesium Production, Underground Coal Mines, Industrial Wastewater Treatment, and Industrial Waste Landfills; Final Rule," 75 Fed. Reg. 39736-39777 (July 12, 2010); [Final Rule](#) (42 pages)
76. "Mandatory Reporting of Greenhouse Gases," 75 Fed. Reg. 57669-57686 (Sept. 22, 2010); [Final Rule](#) (18 pages)
77. "Mandatory Reporting of Greenhouse Gases," 75 Fed. Reg. 66434-66479 (Oct. 28, 2010); [Final Rule](#) (46 pages)
78. "Mandatory Reporting of Greenhouse Gases: Petroleum and Natural Gas Systems," 75 Fed. Reg. 74458-74515 (Nov. 30, 2010); [Final Rule](#) (58 pages)
79. "Mandatory Reporting of Greenhouse Gases: Additional Sources of Fluorinated GHGs," 75 Fed. Reg. 74774-74861 (Dec. 1, 2010); [Final Rule](#) (88 pages)
80. "Mandatory Reporting of Greenhouse Gases: Injection and Geologic Sequestration of Carbon Dioxide," 75 Fed. Reg. 75060-75089 (Dec. 1, 2010); [Final Rule](#) (30 pages)
81. "Mandatory Reporting of Greenhouse Gases," 75 Fed. Reg. 79092-79171 (Dec. 17, 2010) [Final Rule](#) (80 pages)
82. "Interim Final Regulation Deferring the Reporting Date for Certain Data Elements Required Under the Mandatory Reporting of Greenhouse Gases Rule," 75 Fed. Reg. 81338-81347 (Dec. 27, 2010); [Interim Final Rule](#) (10 pages)
83. "Final Regulation Extending the Reporting Deadline for Year 2010 Data Elements Required Under the Mandatory Reporting of Greenhouse Gases Rule," 76 Fed. Reg. 14812-14818 (March 18, 2011); [Final Rule](#) (7 pages)
84. "Mandatory Reporting of Greenhouse Gases: Petroleum and Natural Gas Systems," 76 Fed. Reg. 22825-22827 (April 25, 2011); [Final Rule](#) (3 pages)
85. "Confidentiality Determinations for Data Required Under the Mandatory Greenhouse Gas Reporting Rule and Amendments to special Rules Governing Certain Information Obtained Under the Clean Air Act," 76 Fed. Reg. 30782-30818 (May 26, 2011); [Final Rule](#) (37 pages)
86. "Mandatory Reporting of Greenhouse Gases: Additional Sources of Fluorinated GHGs: Extension of Best Available Monitoring Provisions for Electronics Manufacturing," 76 Fed. Reg. 36339-36342 (June 22, 2011); [Final Rule](#) (4 pages)

87. "Change to the Reporting Date for Certain Data Elements Required Under the Mandatory Reporting of Greenhouse Gases Rule," 76 Fed. Reg. 53057-53071(Aug. 25, 2011); [Final Rule](#) (15 pages)
88. "Mandatory Reporting of Greenhouse Gases: Petroleum and Natural Gas Systems: Revisions to Best Available Monitoring Method Provisions," 76 Fed. Reg. 59533-59541 (Sept. 27, 2011); [Final Rule](#) (9 pages)
89. "Mandatory Reporting of Greenhouse Gases: Changes to Provisions for Electronics Manufacturing To Provide Flexibility," 76 Fed. Reg. 59542-59551 (Sept. 27, 2011); [Final Rule](#) (10 pages)
90. "Special Rules Governing Certain Information Obtained Under the Clean Air Act: Technical Correction," 76 Fed. Reg. 64010 -64015 (Oct. 17, 2011); [Direct Final Rule](#) (6 pages)
91. "Mandatory Reporting of Greenhouse Gases," 76 Fed. Reg. 73886-73910 (Nov. 29, 2011); [Final Rule](#) (25 pages)
92. "Mandatory Reporting of Greenhouse Gases: Technical Revisions to the Petroleum and Natural Gas Systems Category of the Greenhouse Gas Reporting Rule," 76 Fed. Reg. 80554-80595 (Dec. 23, 2011); [Final Rule](#) (42 pages)
93. "Greenhouse Gas Reporting Program: Electronics Manufacturing: Revisions to Heat Transfer Fluid Provisions," 77 Fed. Reg. 10373-10381 (Feb. 22, 2012); [Final Rule](#) (9 pages)
94. "Mandatory Reporting of Greenhouse Gases Rule: Confidentiality Determinations and Best Available Monitoring Methods Provisions," 77 Fed. Reg. 10434-10450 (Feb. 22, 2012); [Proposed Rule](#) (17 pages)
95. "Final Confidentiality Determinations for Regulations Under the Mandatory Reporting of Greenhouse Gases Rule," 77 Fed. Reg. 48072-48089 (Aug. 13, 2012); [Final Rule](#) (18 pages)
96. "2012 Technical Corrections, Clarifying and Other Amendments to the Greenhouse Gas Reporting Rule, and Proposed Confidentiality Determinations for Certain Data Elements of the Fluorinated Gas Source Category," 77 Fed. Reg. 51477-51495 (Aug. 24, 2012); [Final Rule](#) (19 pages)
97. "Greenhouse Gas Reporting Rule: Revision to Best Available Monitoring Method Request Submission Deadline for Petroleum and Natural Gas Systems Source Category," 78 Fed. Reg. 25392 (May 1, 2013); [Final Rule](#) (5 pages)
98. "Greenhouse Gas Reporting Program: Final Amendments and Confidentiality Determinations for Electronics Manufacturing," 78 Fed. Reg. 68161 (November 13, 2013); [Final Rule](#) (78 pages)
99. "2013 Revisions to the Greenhouse Gas Reporting and Final Confidentiality Determinations: New or Substantially Revised Data Elements," 78 Fed. Reg. 71903 (November 29, 2013); [Final Rule](#) (79 pages)
100. "2013 Revisions to the Greenhouse Gas Reporting and Final Confidentiality Determinations: New or Substantially Revised Data Elements," 79 Fed. Reg. 3507 (January 22, 2014) [Final Rule](#) (2 pages)
101. "Greenhouse Gas Reporting Program: Final Amendments and Confidentiality Determinations for Subpart I," 79 Fed. Reg. 25682 (May 6, 2014) [Final Rule](#) (1 page)
102. "Revisions to Reporting and Recordkeeping Requirements, and Confidentiality Determinations Under the Greenhouse Gas Reporting Program," 79 Fed. Reg. 63750 (October 24, 2014); [Final Rule](#) (51 pages)
103. "Greenhouse Gas Reporting Rule: 2014 Revisions and Confidentiality Determinations for Petroleum and Natural Gas Systems," 79 Fed. Reg. 70352 (Nov. 25, 2014); [Final Rule](#) (75 pages)

104. “Greenhouse Gas Reporting Rule: 2015 Revisions and Confidentiality Determinations for Petroleum and Natural Gas Systems,” 80 Fed. Reg. 64262; [Final Rule](#) (38 pages)
105. “Greenhouse Gas Reporting Program: Addition of Global Warming Potentials to the General Provisions and Amendments and Confidentiality Determinations for Fluorinated Gas Production,” 79 Fed. Reg. 73750 (Dec. 11, 2014); [Final Rule](#) (48 pages)
106. “Greenhouse Gas Reporting Rule: Leak Detection Methodology Revisions and Confidentiality Determinations for Petroleum and Natural Gas Systems,” 81 Fed. Reg. 86490 (Jan. 29, 2016); [Final Rule](#) (30 pages)
107. “2015 Revisions and Confidentiality Determinations for Data Elements Under the Greenhouse Gas Reporting Rule,” 81 Fed. Reg. 89188 (Dec. 9, 2016); [Final Rule](#) (87 pages); [Final Rule](#)

**FEDERAL AIR STANDARDS FOR THE OIL & GAS SECTOR (See [Oil and Natural Gas Air Pollution Standards](#))\*\***

108. “Oil and Natural Gas Sector: New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants Reviews,” 77 Fed. Reg. 49490 (Aug. 16, 2012); [Final Rule](#) (112 pages)<sup>5</sup>
109. “Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Sources,” 81 Fed. Reg. 35824 (June 3, 2016); [Final Rule](#) (120 pages); see also “Source Determination for Certain Emission Units in the Oil and Natural Gas Sector,” 81 Fed. Reg. 35622 (June 3, 2016); [Final Rule](#) (13 pages); “Federal Implementation Plan for True Minor Sources in Indian Country in the Oil and Natural Gas Production and Natural Gas Processing Segments of the Oil and Gas Sector; Amendments to the Federal Minor New Source Review Program in Indian Country To Address Requirements for True Minor Sources in the Oil and Natural Gas Sector,” 81 Fed. Reg. 35944 (June 3, 2016), [Final Rule](#) (39 pages); see also [Proposed Information Collection Request for Oil and Gas Facilities](#) (June 3, 2016)

**CARBON CAPTURE AND SEQUESTRATION REGULATIONS (See [CO2 Capture and Sequestration](#))\*\*\***

110. “Federal Requirements Under the Underground Injection Control (UIC) Program for Carbon Dioxide (CO2) Geologic Sequestration (GS) Wells,” 75 Fed. Reg. 77230 (Dec. 10, 2010), [Final Rule](#) (75 pages)
111. “Announcement of Federal Underground Injection Control (UIC) Program for Carbon Dioxide (CO2) Geologic Sequestration (GS) Wells,” 76 Fed. Reg. 56982 (Sept. 15, 2011); [Final Rule](#) (2 pages)
112. “Hazardous Waste Management System: Conditional Exclusion for Carbon Dioxide (CO2) Streams in Geologic Sequestration Activities,” 79 Fed. Reg. 350 (January 3, 2014); [Final Rule](#) (15 pages)

**REFRIGERATION AND INSULATION SECTORS (See [Significant New Alternatives Policy Program](#))**

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<sup>5</sup> See also White House [Climate Action Plan Strategy to Reduce Methane Emissions](#) and [Fact Sheet](#); EPA [White Papers on Methane and VOC Emissions](#) released April 15, 2014 covering [Compressors](#) (51 pages), [Emissions from completions and ongoing production of hydraulically fractured oil wells](#) (82 pages), [Leaks](#) (63 pages), [Liquids Unloading Processes](#) (33 pages), [Pneumatic Devices](#) (65 pages).

113. "Protection of Stratospheric Ozone: Listing of Substitutes for Refrigeration and Air Conditioning and Revision of the Venting Prohibition for Certain Refrigerant Substitutes," 80 Fed. Reg. 19454 (April 10, 2015); [Final Rule](#) (49 pages)
114. "Protection of Stratospheric Ozone: Change of Listing Status for Certain Substitutes Under the Significant New Alternatives Policy Program," 80 Fed. Reg. 42870 (July 20, 2015); [Final Rule](#) (91 pages)
115. "Protection of Stratospheric Ozone: Update to the Refrigerant Management Requirements Under the Clean Air Act," 81 Fed. Reg. 82272 (Nov. 18, 2016); [Final Rule](#) (124 pages)
116. "Protection of Stratospheric Ozone: Proposed New Listings of Substitutes; Changes of Listing Status; and Reinterpretation of Unacceptability for Closed Cell Foam Products under the Significant New Alternatives Policy Program; and Revision of Clean Air Act Section 608's Venting Prohibition for Propane," 81 Fed. Reg. 86778 (Dec. 1, 2016); [Final Rule](#); (118 pages)

#### **MUNICIPAL LANDFILLS**

117. "Standards of Performance for Municipal Solid Waste Landfills," 81 Fed. Reg. 59332 (Aug. 29, 2016); [Final Rule](#) (54 pages)
118. "Emission guidelines and Compliance Times for Municipal Solid Waste Landfills," 81 Fed. Reg. 59276 (Aug. 29, 2016); [Final Rule](#) (56 pages)

\*List compiled based on information provided on the Federal Register website

(<https://www.federalregister.gov/articles/current>) and EPA

(<http://energycommerce.house.gov/sites/republicans.energycommerce.house.gov/files/letters/20130515EPAResponse.pdf>).

\*\*These standards specifically regulate volatile organic compound (VOC) emissions and air toxics but have been identified in the State Department's [2014 Climate Action Report](#) as a Federal climate change related measure based on methane reductions that are a co-benefit of the VOC control.

\*\*\*These regulations have been issued pursuant to the Safe Drinking Water Act and Resource Conservation and Recovery Act.