

# **Lethal Loophole:**

**How the 'Clear Skies' Bill Allows  
Oil Refineries and Chemical Plants  
to Emit More Toxic Air Pollutants**

**Environment Colorado**

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## **Acknowledgements**

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## Executive Summary

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The Bush administration has touted its so-called “Clear Skies” bill as a way to clean up power plant emissions of smog-forming nitrogen oxides, soot-forming sulfur dioxide, and toxic mercury. In reality, this bill would allow power plants to pollute more and longer than under the current Clean Air Act. Moreover, a just-discovered provision in the bill weakens current law for other industries as well, including pulp and paper mills, oil refineries, and chemical plants, among others. These industrial units could “opt in” to the bill and “opt out” of existing requirements to reduce their emissions of dozens of toxic air pollutants that cause cancer, birth defects, and other serious health problems.

Specifically, the “Clear Skies” bill (S.131) would exempt as many as 58,000 industrial boilers, commercial and institutional boilers, and process heaters used at industrial facilities such as pulp and paper mills, oil refineries, and chemical plants from a 2004 Environmental Protection Agency (EPA) rule that requires these units to reduce their toxic emissions to the maximum extent possible by 2007. The bill also would exempt these units from other major Clean Air Act requirements, including New Source Review and visibility protections for national parks and wilderness areas. Boilers and process heaters emit a wide variety of toxic air pollutants, depending on the fuel burned, including arsenic, benzene, chromium, hydrogen chloride, and lead, among others.

EPA has performed no analyses to date on the effects of this loophole on public health or the environment. As a first step to understand its potential implications, this report uses EPA data to estimate the number of industrial facilities in Colorado that could take advantage of the loophole and their annual emissions of toxic air pollution.

This hidden provision in the “Clear Skies” bill could exempt as many as 220 industrial facilities in Colorado from the Clean Air Act’s mandate of deep reductions in toxic pollution. The industries covered by the loophole emitted almost 1.6 million pounds of toxic air pollutants into Colorado’s air in 2002. The loophole would allow these industries to continue to emit harmful chemicals into Colorado’s air, threatening the health of citizens across the state.

The “Clear Skies” bill has always been a bad deal for Americans and Coloradans who want to breathe clean air; this hidden loophole for many different industries makes it even worse.

## **Background: Reducing Toxic Pollution from Boilers and Heaters**

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Toxic air pollutants are known or suspected to cause cancer, birth defects, and other serious health problems. The Clean Air Act identifies 188 toxic air pollutants.<sup>1</sup>

In 1990, Congress amended the Clean Air Act to require each and every major industrial source of toxic air pollution to use the “maximum achievable control technology” (MACT) to reduce toxic emissions.<sup>2</sup> In 1992, the Environmental Protection Agency (EPA) identified industrial boilers, commercial and institutional boilers, and process heaters as sources of toxic air pollution, and in 2004 EPA issued MACT standards to substantially reduce toxic pollution from these sources.<sup>3</sup>

Boilers and process heaters are used at facilities such as oil refineries, chemical plants, and pulp and paper mills. These facilities use process heaters to heat raw materials and boilers to burn coal and/or other substances such as wood to create steam, which is used to produce electricity or provide heat.

Boilers and process heaters emit a wide variety of toxic air pollutants, depending on the fuel burned. EPA’s 2004 MACT rule regulates their emissions of arsenic, cadmium, chromium, hydrogen chloride, hydrogen fluoride, lead, manganese, mercury, nickel, and various organic hazardous air pollutants, including benzene, formaldehyde, and acetaldehyde.<sup>4</sup> In terms of the health effects of these pollutants, EPA states:

“Exposure to high levels of these [hazardous air pollutants] is associated with a variety of adverse health effects. These adverse health effects include chronic health disorders (e.g., irritation of the lung, skin, and mucus membranes, effects on the central nervous system, and damage to the kidneys), and acute health disorders (e.g., lung irritation and congestion, alimentary effects such as nausea and vomiting, and effects on the kidney and central nervous system).”<sup>5</sup>

EPA has classified arsenic, benzene, and chromium as “human carcinogens” and acetaldehyde, cadmium, formaldehyde, and lead as “probable human carcinogens.”<sup>6</sup>

EPA’s 2004 rule is intended to reduce emissions of these pollutants from 58,000 industrial boilers, commercial and institutional boilers, and process heaters nationwide by an estimated 58,500 tons per year. Existing industrial boilers and process heaters must comply with the rule no later than September 2007; new industrial boilers and process heaters must comply when they are brought on line. Facilities can comply with the emission limits by altering their work practices in ways that reduce emissions or by installing emissions control technologies, such as fabric filters and scrubbers.<sup>7</sup>

The rule also will reduce emissions of sulfur dioxide (SO<sub>2</sub>) and fine particulate “soot,” which contribute to serious respiratory and cardiovascular diseases and premature death, since the technologies that reduce toxic pollution also reduce SO<sub>2</sub> and soot emissions. Specifically, EPA

estimates that the rule will reduce emissions of SO<sub>2</sub> by 113,000 tons and fine particulate soot by 159,000 tons nationwide each year.<sup>8</sup>

Nationally, EPA estimates that the rule could prevent 2,270 premature deaths, 6,900 hospital visits for respiratory and cardiovascular problems, 173,500 asthma attacks, and 398,700 lost work days each year.<sup>9</sup>

## **The ‘Clear Skies’ Bill: Loopholes for Many Industries**

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Senators James Inhofe and George Voinovich, the leaders of the Environment and Public Works Committee, introduced the Clear Skies Act of 2005 (S.131) in mid-January 2005.<sup>10</sup> As with previous versions, the bill would cap power plant emissions of sulfur dioxide, nitrogen oxides, and mercury but at levels weaker than required under current law. Among its most harmful provisions, the bill would delay until well after 2018 reductions in power plant sulfur dioxide and nitrogen oxide emissions called for in the Clean Air Act by the end of this decade; repeal the Clean Air Act's New Source Review program, which requires the oldest and dirtiest plants to meet modern pollution control standards; force residents of heavily-polluted areas to wait longer for clean air than under current law; and eliminate protections that would require every power plant to reduce mercury to the maximum extent (about 90 percent) by 2008.

Tucked away in S.131 is an additional loophole that would exempt non-utility industrial units from EPA rules to reduce toxic air pollution. As introduced, the loophole applied to four broad categories of industrial facilities – all with stringent MACT standards on the books.<sup>11</sup> On February 22, Senators Inhofe and Voinovich filed an amendment to their bill to limit the exemption to industrial boilers, commercial and institutional boilers, and process heaters, which is by far the largest of the four industrial categories.<sup>12</sup> The committee has not yet considered the amendment.

Industrial units that “opt in” to the bill’s trading system for sulfur dioxide, nitrogen oxides, or mercury pollution would be exempt from EPA’s rules to reduce their toxic emissions, as well as other major Clean Air Act requirements, including New Source Review and visibility protections for national parks and wilderness areas.<sup>13</sup> This means that companies could, for instance, refurbish old plants without installing up-to-date pollution control technology.

EPA has performed no analyses to date on the effects of this loophole on public health or the environment. As a first step to understand its potential implications, this report uses EPA data to estimate the number of industrial facilities in Colorado that could take advantage of the loophole and their annual emissions of toxic air pollution. We conservatively limit our analysis to industrial boilers, commercial and institutional boilers, and process heaters, though S.131, as introduced, extends the exemption to other industrial sources as well.

## More Toxic Pollution in Colorado

S.131 would exempt as many as 220 industrial facilities in Colorado from the Clean Air Act's mandate of deep reductions in toxic pollution.<sup>14</sup> Specifically, the bill would exempt industrial units at these facilities from 2004 EPA rules that require each and every industrial boiler, commercial and institutional boiler, and process heater to reduce its toxic pollution to the maximum extent possible by 2007. The industries covered by the loophole emitted almost 1.6 million pounds<sup>a</sup> of toxic air pollutants into Colorado's air in 2002 (see Table I).<sup>15</sup> The loophole would allow these industries to continue to emit harmful chemicals into Colorado's air, threatening the health of citizens across the state. See Appendix A for a detailed list of the specific facilities in Colorado that could avoid reducing their toxic releases to the state's air.<sup>16</sup>

**Table I. Facilities in Industries that Could Avoid Reducing Their Toxic Pollution Under the 'Clear Skies' Loophole for Boilers and Process Heaters, Colorado**

Industry	# of Major Facilities <sup>^</sup>	Emissions of Hazardous Air Pollutants, 2002 (lbs) <sup>°</sup>
Extractors of crude petroleum and natural gas (SIC 13)	89	*
Manufacturers of lumber and wood products (SIC 24)	1	47,880
Pulp and paper mills (SIC 26)	3	0
Chemical manufacturers (SIC 28)	3	86,044
Petroleum refineries, and manufacturers of coal products (SIC 29)	2	21,691
Manufacturers of rubber and miscellaneous plastic products (SIC 30)	4	72,024
Steel works, blast furnaces (SIC 33)	3	11,269
Electroplating, plating, polishing, anodizing and coloring (SIC 34)	8	168,770
Manufacturers of motor vehicle parts and accessories (SIC 37)	1	26,377
Electric, gas and sanitary services (SIC 49)	133	1,150,807
Health Services (SIC 80)	1	*
Educational Services (SIC 82)	3	*
<b>Total</b>	<b>220</b>	<b>1,584,862</b>

<sup>°</sup> This number may include emissions from minor and other facilities not categorized as "major" under the Clean Air Act; this number also reflects emissions of hazardous air pollutants from the entire facility, not just the boilers or process heaters that would be exempt under the "Clear Skies" loophole discussed here. We counted point source emissions of hazardous air pollutants only.

<sup>^</sup> Facilities with more than one Standard Industrial Classification (SIC) code were only counted once. As a result, the total may be less than the sum of each category.

\* These industries are not required to report to the Toxics Release Inventory.

<sup>a</sup> This number reflects emissions of hazardous air pollutants from the entire facility, not just the boilers or process heaters that would be exempt under the "Clear Skies" loophole discussed here.

## Conclusion

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The “Clear Skies” bill has always been a bad deal for Americans and Coloradans who want to breathe clean air; the bill’s hidden loophole for many different industries makes it even worse. The bill eliminates cornerstones of the Clean Air Act that have reduced air pollution from power plants, oil refineries, chemical plants, and other smokestack industries for decades, jeopardizing public health and the environment.

## Methodology

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The national emission standards for hazardous air pollutants for industrial, commercial, and institutional boilers and process heaters applies to major facilities in the following industries: SIC 13 (extractors of crude petroleum and natural gas); SIC 24 (manufacturers of lumber and wood products); SIC 26 (pulp and paper mills); SIC 28 (chemical manufacturers); SIC 29 (petroleum refineries and manufacturers of coal products); SIC 30 (manufacturers of rubber and miscellaneous plastic products); SIC 33 (steel works, blast furnaces); SIC 34 (electroplating, plating, polishing, anodizing, and coloring); SIC 37 (manufacturers of motor vehicle parts and accessories); SIC 49 (electric, gas, and sanitary services); SIC 80 (health services); and SIC 82 (educational services).<sup>17</sup> SIC stands for standard industrial classification.

To determine which and how many facilities could take advantage of the loophole for boilers and process heaters, we used EPA’s Enforcement Compliance and History Online database and looked at major facilities permitted under the Clean Air Act that fall into one of the industries listed above. Facilities with more than one SIC code were only counted once. All data is current as of February 17, 2005.

We generated data on toxic air releases for each industry from EPA’s Toxic Release Inventory, [www.epa.gov/tri](http://www.epa.gov/tri). We included point source emissions of hazardous air pollutants (HAPs) only. Some of these industries are not required to report to TRI, including SIC 13 (extractors of crude petroleum and natural gas), SIC 80 (health services), and SIC 82 (educational services). All data is current as of February 17, 2005.

**Appendix A. Colorado Facilities Belonging to Industries that Could Avoid Reducing Their Toxic Pollution Under the ‘Clear Skies’ Loophole for Boilers and Process Heaters**

Facility ID	Facility Name	City	State	Industry
812300595	DUKE ENERGY FIELD SERVICES - PLATTEVILLE	2 MI NE OF PLATTEVILLE	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700287	SG INTERESTS I, LTD - SOUTH IGNACIO CDP	4 MILES SOUTH OF IGNACIO	CO	Extractors of crude petroleum and natural gas (SIC 13)
800300007	PUBLIC SERVICE CO ALAMOSA PLT	ALAMOSA	CO	Electric, gas and sanitary services (SIC 49)
800101354	BLUE SPRUCE ENERGY CENTER LLC	AURORA	CO	Electric, gas and sanitary services (SIC 49)
800100481	MASTERCRAFT CABINET INC	AURORA	CO	Manufacturers of lumber and wood products (SIC 24)
800100025	BP AMERICA PRODUCTION CO. WATTENBERG PLT	AURORA AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
800100036	COLORADO INTERSTATE GAS CO WATKINS STA	AURORA AREA	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
800100229	ENCANA GATHERING SVC. (USA) INC. - RADAR	AURORA, 2.2 MI E OF	CO	Electric, gas and sanitary services (SIC 49)
800501291	WASTE MANAGEMENT OF COLORADO DEN ARAP	AURORA, 3.0 MI E OF	CO	Electric, gas and sanitary services (SIC 49)
803700072	EAGLE CNTY ROAD & BRIDGE DEPT	AVON, 7.0 MI NW OF	CO	Electric, gas and sanitary services (SIC 49)
800501113	ENCANA GATHERING SRV. (USA) INC. - MITCH	BENNETT, 2.9 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
800500051	ENCANA GATHERING SERVICES - DRAGOON	BENNETT, 5.1 MI SE OF	CO	Electric, gas and sanitary services (SIC 49)
806700166	WEST GAS GATHERING INC	BONDAD	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
801300046	GRAPHICS PACKAGING CORP	BOULDER	CO	Pulp and paper mills (SIC 26)
801300365	HAUSER CHEMICAL RESEARCH INC	BOULDER	CO	Chemical manufacturers (SIC 28)
801300402	PAXIS PHARMACEUTICALS	BOULDER	CO	Chemical manufacturers (SIC 28)
801300001	PUBLIC SERVICE CO - VALMONT	BOULDER	CO	Electric, gas and sanitary services (SIC 49)
801300025	ROCHE COLORADO CORP	BOULDER	CO	Chemical manufacturers (SIC 28)
801300553	UNIV OF COLO - BOULDER BUFFALO POWER	BOULDER	CO	Electric, gas and sanitary services (SIC 49); Educational Services (SIC 82)
801300019	UNIV OF COLO - BOULDER WILLIAMS VILLAGE	BOULDER	CO	Electric, gas and sanitary services (SIC 49); Educational Services (SIC 82)
800100195	CENTRAL PRODUCTS CO DBA INTERTAPE POLYMR	BRIGHTON	CO	Pulp and paper mills (SIC 26)
800100051	KERR-MCGEE ROCKY MOUNTAIN CORP.-BRIGHTON	BRIGHTON	CO	Electric, gas and sanitary services (SIC 49)
800100627	ENCANA OIL & GAS (USA) INC. - STATE C.S.	BRIGHTON, 3.0 MI E OF	CO	Electric, gas and sanitary services (SIC 49)
808700027	BRUSH COGENERATION PARTNERS/COLO POWER	BRUSH	CO	Electric, gas and sanitary services (SIC 49)
808700011	PUBLIC SERVICE CO PAWNEE PLT	BRUSH	CO	Electric, gas and sanitary services (SIC 49)
806300003	TRI STATE GENERATION BURLINGTON	BURLINGTON	CO	Electric, gas and sanitary services (SIC 49)
800900019	MURFIN DRILLING CO INC	CAMPO, 5.1 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
804300003	AQUILA, INC. - W.N. CLARK STATION	CANON CITY	CO	Electric, gas and sanitary services (SIC 49)
804500078	ROCKY MTN NATURAL GAS CO CRYSTAL RIVER	CARBONDALE, 2.5 MI W OF	CO	Electric, gas and sanitary services (SIC 49)
801700214	DUKE ENERGY FIELD SERVICES - GREAT SMOKE	CHEYENNE WELLS 8 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
801700209	DUKE ENERGY - LADDER CREEK HELIUM PLANT	CHEYENNE WELLS AREA	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
801700215	DUKE ENERGY FIELD SERVICES - W ARAPAHOE	CHEYENNE WELLS 1 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
801700018	MULL DRILLING CO ARAPAHOE NW C.S.	CHEYENNE WELLS, 10.4 MI E	CO	Extractors of crude petroleum and natural gas (SIC 13)
801700191	DUKE ENERGY FIELD SERVICES - N MAYFIELD	CHEYENNE WELLS, 6.9 MI NE	CO	Extractors of crude petroleum and natural gas (SIC 13)



Facility ID	Facility Name	City	State	Industry
807100094	EVERGREEN OPERATING CORP. - WET CANYON	COKEDALE, 12.7 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
807100037	EVERGREEN OPERATING CORP BURRO CANYON	COKEDALE, 2.3 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
807100077	EVERGREEN OPERATING CORP - TAMBURELLI	COKEDALE, 7.7 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
804100686	AMERTECH SPRAY FINISHING	COLORADO SPRINGS	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
804100030	COLORADO SPRINGS UTILITIES - NIXON PLT	COLORADO SPRINGS	CO	Electric, gas and sanitary services (SIC 49)
804100003	COLORADO SPRINGS UTILITIES-BIRDSALL PLT	COLORADO SPRINGS	CO	Electric, gas and sanitary services (SIC 49)
804100004	COLORADO SPRINGS UTILITIES-DRAKE PLT	COLORADO SPRINGS	CO	Electric, gas and sanitary services (SIC 49)
804100307	TUSCARORA INC	COLORADO SPRINGS	CO	Manufacturers of rubber and misc. plastic products (SIC 30)
804100157	WASTE MANAGEMENT DISPOSAL SERVICE OF CSP	COLORADO SPRINGS	CO	Electric, gas and sanitary services (SIC 49)
800100182	BFI TOWER LDFL	COMMERCE CITY	CO	Electric, gas and sanitary services (SIC 49)
800100004	COLORADO REFINING CO TOTAL PETROLEUM	COMMERCE CITY	CO	Petroleum refineries, and manufacturers of coal products (SIC 29)
800100003	SUNCOR ENERGY - DENVER REFINERY	COMMERCE CITY	CO	Petroleum refineries, and manufacturers of coal products (SIC 29)
800100097	METRO WASTEWATER RECLAMATION DIST/TRIGEN	COMMERCE CITY AREA	CO	Electric, gas and sanitary services (SIC 49)
800100001	PUBLIC SERVICE CO CHEROKEE PLT	COMMERCE CITY AREA	CO	Electric, gas and sanitary services (SIC 49)
808300024	QUESTAR E & P -CUTTHROAT A	CORTEZ	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
808300072	QUESTAR E & P-CUTTHROAT #5	CORTEZ, 18.0 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
808100076	QUESTAR GAS MANAGEMENT - E HIAWATHA C.S.	CRAIG	CO	Electric, gas and sanitary services (SIC 49)
808100018	TRI STATE GENERATION CRAIG	CRAIG	CO	Electric, gas and sanitary services (SIC 49)
808100049	QUESTAR GAS MANAGEMENT COMPANY	CRAIG, 47.8 MI NW OF	CO	Electric, gas and sanitary services (SIC 49)
807500077	TRAILBLAZER PIPELINE COMPANY	CROOK, 9.4 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300184	KERR-MCGEE FREDERICK CS	DACONO, 2.4 MI E OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
804500366	ENCANA OIL & GAS (USA), INC. - GASAWAY	DEBEQUE, 19.5 MI NW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
800500055	COLORADO INTERSTATE GAS CO LATIGO C & S	DEER TRAIL, 6.5 MI W OF	CO	Electric, gas and sanitary services (SIC 49)
802900054	DELTA MUNICIPAL LIGHT & POWER (CITY OF	DELTA	CO	Electric, gas and sanitary services (SIC 49)
803101526	BRITE LINE TECHNOLOGIES INC	DENVER	CO	Pulp and paper mills (SIC 26)
803100008	PUBLIC SERVICE CO - ARAPAHOE	DENVER	CO	Electric, gas and sanitary services (SIC 49)
803100041	PUBLIC SERVICE CO DENVER STEAM PLT	DENVER	CO	Electric, gas and sanitary services (SIC 49)
803101785	PUBLIC SERVICE CO STATE PLT	DENVER	CO	Electric, gas and sanitary services (SIC 49)
803100007	PUBLIC SERVICE CO ZUNI PLT	DENVER	CO	Electric, gas and sanitary services (SIC 49)
803100012	THE GATES RUBBER COMPANY	DENVER	CO	Manufacturers of rubber and misc. plastic products (SIC 30)
811700017	SUMMIT COUNTY LANDFILL	DILLON AREA	CO	Electric, gas and sanitary services (SIC 49)
810300170	CANYON GAS RESOURCES, INC. - RANGELY NGL	DINOSAUR, 5.3 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
803300019	TRANSCOLORADO GAS TRANSMISSION CO	DOLORES, 13.0 MI NE OF	CO	Electric, gas and sanitary services (SIC 49)
808300034	NORTHWEST PIPELINE CORP PLEASANT VIEW	DOLORES, 13.1 MI NW OF	CO	Electric, gas and sanitary services (SIC 49)
803300006	QUESTAR GAS MANAGEMENT DOVE CREEK PLT	DOVE CREEK AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700035	AMOCO PRODUCTION CO TIFFANY COMPRESSOR	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700034	BP AMERICA - FLORIDA RIVER CS	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700032	BP AMERICA - SALVADOR CS	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700054	EL PASO NATURAL GAS CO FLORIDA RIVER CS	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700081	NORTHWEST PIPELINE CORP LA PLATA B STA	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)

Facility ID	Facility Name	City	State	Industry
806700006	WILLIAMS FIELD SERVICES IGNACIO B PLT	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700064	WILLIAMS FIELD SVCS PLA 9 STA	DURANGO	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700262	BP AMERICA - TREATING SITE 9	DURANGO, 11.4 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700256	BP AMERICA - TREATING SITE 6	DURANGO, 12.9 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700261	BP AMERICA - TREATING SITE 7	DURANGO, 13.4 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700109	TRANSWESTERN PIPELINE CO - LA PLATA 'A'	DURANGO, 14 MI SE OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300035	DUKE ENERGY FIELD SERVICES - EATON	EATON AREA	CO	Electric, gas and sanitary services (SIC 49)
812300246	REPUBLIC SERV. OF COLO FRT RANGE LAND.	ERIE	CO	Electric, gas and sanitary services (SIC 49)
812300079	DENVER REGIONAL LANDFILL	ERIE AREA	CO	Electric, gas and sanitary services (SIC 49)
812303816	ENCANA - TOWNSEND BATTERY	FIRESTONE AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
806900011	COLORADO STATE UNIV CSU FACILITY SVCS	FORT COLLINS	CO	Electric, gas and sanitary services (SIC 49); Educational Services (SIC 82)
806900381	LARIMER COUNTY LANDFILL	FORT COLLINS AREA	CO	Electric, gas and sanitary services (SIC 49)
812300015	DUKE ENERGY FIELD SERVICES - SPINDLE	FORT LUPTON	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300319	ENCANA GATERHERING SERVICES (USA) INC.	FORT LUPTON	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300059	KERR-MCGEE ROCKY MOUNTAIN CORP. -HAMBERT	FORT LUPTON	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300089	NICHOLS ALUMINUM - GOLDEN	FORT LUPTON	CO	Steel works, blast furnaces (SIC 33)
812300014	PUBLIC SERVICE CO FT LUPTON STATION	FORT LUPTON	CO	Electric, gas and sanitary services (SIC 49)
812300250	THERMO COGEN PARTNERSHIP FT LUPTON	FORT LUPTON	CO	Electric, gas and sanitary services (SIC 49)
812300185	KERR-MCGEE ROCKY MOUNTAIN CORP. - DOUGAN	FORT LUPTON, 2.1 MI SE OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300057	KERR-MCGEE FT LUPTON COMPRESSOR STATION	FORT LUPTON, 2.9 MI NE OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
808700003	COLORADO INTERSTATE GAS CO FORT MORGAN	FORT MORGAN	CO	Electric, gas and sanitary services (SIC 49)
808700030	PUBLIC SERVICE CO ROUNDUP STATION	FORT MORGAN	CO	Electric, gas and sanitary services (SIC 49)
804100091	COLORADO SPRINGS UTILITIES-HANNA RANCH	FOUNTAIN	CO	Electric, gas and sanitary services (SIC 49)
804100331	FOUNTAIN LANDFILL	FOUNTAIN	CO	Electric, gas and sanitary services (SIC 49)
804100325	WESTERN LDFL SVCS INC	FOUNTAIN	CO	Electric, gas and sanitary services (SIC 49)
804100897	FOUNTAIN VALLEY POWER, L.L.C.	FOUNTAIN AREA	CO	Electric, gas and sanitary services (SIC 49)
807700023	JOHNS MANVILLE, MESA INSULATION	FRUITA	CO	Manufacturers of rubber and misc. plastic products (SIC 30)
804500109	CANYON GAS RESOURCES - S CANYON FACILITY	FRUITA, 19.7 MI NW OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300098	AKA ENERGY GROUP - GILCREST GAS	GILCREST AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300090	DUKE ENERGY FIELD SERVICES -MEWBOURN	GILCREST, 2.3 MI SE OF	CO	Electric, gas and sanitary services (SIC 49)
805900010	BALL METAL BEVERAGE CONTAINER CORP	GOLDEN	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
805900113	BFI WASTE SYSTEMS OF NORTH AMERICA INC	GOLDEN	CO	Electric, gas and sanitary services (SIC 49)
805900066	COORS CERAMICS COMPANY STRUCTURAL DIV	GOLDEN	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
805900864	PLAINS END, LLC	GOLDEN	CO	Electric, gas and sanitary services (SIC 49)
805900820	TRIGEN - COLORADO ENERGY CORPORATION	GOLDEN	CO	Electric, gas and sanitary services (SIC 49)
805900003	U.S. DEPT OF ENERGY - RFETS	GOLDEN	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34); Electric, gas and sanitary services (SIC 49)

Facility ID	Facility Name	City	State	Industry
807700128	ABC INDUSTRIES INC (WAS PEABODY ABC)	GRAND JUNCTION	CO	Manufacturers of rubber and misc. plastic products (SIC 30)
807700320	PLATING SPECIALITIES	GRAND JUNCTION	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
807700353	PUBLIC SERVICE CO. OF CO. - ORCHARD MESA	GRAND JUNCTION, 3.3 MI E	CO	Electric, gas and sanitary services (SIC 49)
812300051	COLORADO INTERSTATE GAS CO CHEYENNE STN	GREELEY	CO	Electric, gas and sanitary services (SIC 49)
812300051	COLORADO INTERSTATE GAS CO CHEYENNE STN	GREELEY	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300099	DUKE ENERGY FIELD SERVICES - GREELEY	GREELEY	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300141	PUBLIC SERVICE CO YOSEMITE STATION	GREELEY	CO	Electric, gas and sanitary services (SIC 49)
812300078	SOUTHERN STAR CENTRAL GAS PIPELINE CHEYE	GREELEY	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300126	THERMO POWER & ELEC INC	GREELEY	CO	Electric, gas and sanitary services (SIC 49)
812300107	DUKE ENERGY FIELD SERVICES - LUCERNE	GREELEY AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300488	PLATTE RIVER STEEL CO INC	GREELEY AREA	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
810700001	PUBLIC SERVICE CO HAYDEN PLT	HAYDEN AREA	CO	Electric, gas and sanitary services (SIC 49)
809900086	ARKANSAS RIVER POWER AUTHORITY - NORTH	HOLLY	CO	Electric, gas and sanitary services (SIC 49)
812300048	KERR-MCGEE ROCKY MOUNTAIN CORP. - HUDSON	HUDSON, 2.2 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
806700259	BP AMERICA - TREATING SITE 4	IGNACIO, 10.7 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700260	BP AMERICA - TREATING SITE 1	IGNACIO, 6.5 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700158	PUBLIC SERVICE CO TIFFANY STATION	IGNACIO, 7.7 MI SE OF	CO	Electric, gas and sanitary services (SIC 49)
806700258	BP AMERICA - TREATING SITE 2	IGNACIO, 9.3 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300448	WASTE SERVICES - BUFFALO RIDGE LANDFILL	KEENESBURG, 5.0 MI N OF	CO	Electric, gas and sanitary services (SIC 49)
812300277	DUKE ENERGY FIELD SERVICES - ENTERPRISE	KEENESBURG, 5.2 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300049	DUKE ENERGY FIELD SERVICES - ROGGEN	KEENESBURG, 6.2 MI E OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812300243	DUKE ENERGY FIELD SERVICES - MARLA	KERSEY, 7.2 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
801700001	COLORADO INTERSTATE GAS CO KIT CARSON	KIT CARSON, 6.6 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
801700008	ANADARKO E&P CO. LP - MT. PEARL GAS PLAN	KIT CARSON, 7.8 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
801700005	MULL DRILLING CO INC SORRENTO FIELD	KIT CARSON, 8.7 MI NW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
801700011	WILLIFORD ENERGY CO	KIT CARSON_7 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
808900003	LA JUNTA MUNI UTILITIES	LA JUNTA	CO	Electric, gas and sanitary services (SIC 49)
808900007	PHILLIPS PIPE LINE CO	LA JUNTA	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700179	WILLIAMS FIELD SVCS BUENA SUERTA	LA PLATA CNTY	CO	Electric, gas and sanitary services (SIC 49)
806700361	BP AMERICA - DRY CREEK CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700358	BP AMERICA - FOUR QUEENS CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700357	BP AMERICA - MIERA CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700336	BP AMERICA - TREATING SITE 6B	LA PLATA COUNTY	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700359	BP AMERICA - TREATING SITE 7B	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700360	BP AMERICA - WOLF POINT CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700363	CONOCOPHILLIPS - ARGENT CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700354	RED CEDAR GATHERING - ANIMAS CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700333	RED CEDAR GATHERING - ANTLER GAS PLANT	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)

Facility ID	Facility Name	City	State	Industry
806700332	RED CEDAR GATHERING - ARKANSAS LOOP	LA PLATA COUNTY	CO	Extractors of crude petroleum and natural gas (SIC 13)
806700347	RED CEDAR GATHERING - CAPOTE CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700334	RED CEDAR GATHERING - COYOTE GULCH GAS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700348	RED CEDAR GATHERING - DIAMONDBACK CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700350	RED CEDAR GATHERING - HOMESTEAD CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700355	RED CEDAR GATHERING - LA POSTA CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700353	RED CEDAR GATHERING - OUTLAW CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700351	RED CEDAR GATHERING - PUMP CANYON CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700352	RED CEDAR GATHERING - SIDEWINDER CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700362	RED WILLOW - COYOTE GULCH CS	LA PLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
809900006	LAMAR UTILITIES BOARD	LAMAR	CO	Electric, gas and sanitary services (SIC 49)
809900025	NEOPLAN USA CORP	LAMAR	CO	Manufacturers of motor vehicle parts and accessories (SIC 37)
809900003	COLORADO INTERSTATE GAS CO SPRINGFIELD	LAMAR, 21.5 MI S OF	CO	Electric, gas and sanitary services (SIC 49)
806700337	BP AMERICA - TREATING SITE 4A	LAPLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700338	BP AMERICA - TREATING SITE 8	LAPLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
806700335	BP AMERICA - TREATING SITE 9B	LAPLATA COUNTY	CO	Electric, gas and sanitary services (SIC 49)
801100005	LAS ANIMAS MUNI P&L	LAS ANIMAS	CO	Electric, gas and sanitary services (SIC 49)
807300036	TRI-STATE GENERATION & TRANS - LIMON	LIMON, 3.2 MI S OF	CO	Electric, gas and sanitary services (SIC 49)
808700051	YOUNG GAS STORAGE CO LTD	LOG LANE VILLAGE	CO	Electric, gas and sanitary services (SIC 49)
812303808	ENCANA - PARKER BATTERY:	MEAD AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300048	PUBLIC SERVICE CO WHITE RIVER DOME STA	MEEKER, 14.8 MI W OF	CO	Electric, gas and sanitary services (SIC 49)
810300055	COLORADO INTERSTATE GAS CO GREASEWOOD	MEEKER, 16.7 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300004	CANYON GAS RESOURCES - GREASEWOOD	MEEKER, 17.0 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
810300128	WEST TEXAS - PICEANCE CREEK GP	MEEKER, 17.0 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300037	ROCKY MTN NATURAL GAS CO PICEANCE	MEEKER, 17.9 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300010	CHEVRON USA - WILSON CREEK GAS PLT	MEEKER, 8.9 MI N OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
808500950	MONTROSE COUNTY LANDFILL	MONTROSE AREA	CO	Electric, gas and sanitary services (SIC 49)
808500001	TRI STATE GENERATION NUCLA	NUCLA, 2.6 MI E OF	CO	Electric, gas and sanitary services (SIC 49)
807700002	PUBLIC SERVICE CO CAMEO PLT	PALISADE, 2.6 MI NE OF	CO	Electric, gas and sanitary services (SIC 49)
804500365	WILLIAMS PROD. RMT CORP. - PARACHUTE	PARACHUTE, 3.4 MI NW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
809700018	ROCKY MTN NATURAL GAS CO WOLF CREEK	PITKIN COUNTY	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300023	PUBLIC SERVICE CO FORT SAINT VRAIN PLT	PLATTEVILLE, 2.4 MI NW OF	CO	Electric, gas and sanitary services (SIC 49)
812302515	ENCANA ENERGY RESOURCES - DEVORE 3	PLATTEVILLE, 3.4 MI SE OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
812300552	KERR-MCGEE - PLATTEVILLE CS	PLATTEVILLE, 4.7 MI E OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810100008	AQUILA, INC. - PUEBLO POWER PLANT	PUEBLO	CO	Electric, gas and sanitary services (SIC 49)
810100078	BROADACRE LANDFILL INC	PUEBLO	CO	Electric, gas and sanitary services (SIC 49)
810100048	CF&I STEEL L P DBA ROCKY MTN STEEL MILLS	PUEBLO	CO	Steel works, blast furnaces (SIC 33)
810100006	COLO MENTAL HEALTH INSTITUTE AT PUEBLO	PUEBLO	CO	Health Services (SIC 80)
810100003	PUBLIC SERVICE CO COMANCHE PLT	PUEBLO	CO	Electric, gas and sanitary services (SIC 49)
810100396	AQUILA, INC. - AIRPORT INDUSTRIAL SITE	PUEBLO AREA	CO	Electric, gas and sanitary services (SIC 49)

Facility ID	Facility Name	City	State	Industry
810300021	NORTHWEST PIPELINE CORP RANGELY STA	RANGELY AREA	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
810300066	QUESTAR GAS MANAGEMENT CO-RABBIT MTN STA	RANGELY, 15.6 MI SW OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300016	ENCANA OIL & GAS (USA), INC- E DRAGON TR	RANGELY, 16.6 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
810300036	ENCANA OIL & GAS (USA), INC-DRAGON TRAIL	RANGELY, 16.7 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300032	ENCANA OIL & GAS (USA), INC-W DOUGLAS CR	RANGELY, 17.9 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
810300020	CANYON GAS RESOURCES-FOUNDATION CREEK	RANGELY, 27.4 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
810300034	CHEVRON USA PRODUCTION CO RANGELY FIELD	RANGELY, 3.0 MI W OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
810300018	CANYON GAS RESOURCES - N. DOUGLAS CREEK	RANGELY, 8.2 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
804500121	PUBLIC SERVICE CO BAXTER STATION	RIFLE	CO	Electric, gas and sanitary services (SIC 49)
804500057	TRI-STATE GENERATION & TRANS.-RIFLE STAT	RIFLE	CO	Electric, gas and sanitary services (SIC 49)
804500077	CANYON GAS RESOURCES - RIFLE C.S.	RIFLE AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
804500545	ENCANA - J24	RIFLE AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
804500370	ENCANA GATHERING - MAMM CREEK CONDITIONI	RIFLE AREA	CO	Extractors of crude petroleum and natural gas (SIC 13)
804500557	ENCANA - B31	RIFLE, 2.1 MI SE OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
804500367	ENCANA OIL & GAS - HUNTER MESA	RIFLE, 3.3 MI SE OF	CO	Extractors of crude petroleum and natural gas (SIC 13)
808900004	AQUILA, INC. - ROCKY FORD STATION	ROCKY FORD	CO	Electric, gas and sanitary services (SIC 49)
804100045	IR SECURITY AND SAFETY	SECURITY	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
812300209	WASTE MGMT DISPOSAL SERVICES OF CO, INC.	SEVERANCE AREA	CO	Electric, gas and sanitary services (SIC 49)
804900006	CLIMAX MOLYBDENUM AMAX HENDERSON MILL	SILVERTHORNE, 11.3 MI N OF	CO	Steel works, blast furnaces (SIC 33)
806700308	SG INTERESTS, INC - ARGENTA CDP	SOUTHERN UTE RESERVATION	CO	Extractors of crude petroleum and natural gas (SIC 13)
800900002	SPRINGFIELD MUNICIPAL UTILITIES	SPRINGFIELD	CO	Electric, gas and sanitary services (SIC 49)
807500017	BLACK HILLS EXPLORATION & PROD-SPRINGDAL	STERLING	CO	Electric, gas and sanitary services (SIC 49)
807500029	STERLING ENERGY CO. - YENTER C.S. & G.P.	STERLING	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
807100005	TRINIDAD MUNI P&L	TRINIDAD	CO	Electric, gas and sanitary services (SIC 49)
800900007	COLORADO INTERSTATE GAS CO VILAS C S	VILAS, 3.4 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
800900001	COLORADO INTERSTATE GAS CO FLANK STA	WALSH, 19.7 MI S OF	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812100007	CIG (NIOBRARA)/HIGH PLAINS (AKRON) C.S.	WASHINGTON COUNTY	CO	Extractors of crude petroleum and natural gas (SIC 13)
806900053	PLATTE RIVER POWER AUTHORITY - RAWHIDE	WELLINGTON, 10.1 MI N OF	CO	Electric, gas and sanitary services (SIC 49)
812300134	METAL CONTAINER CORP	WINDSOR	CO	Electroplating, plating, polishing, anodizing and coloring (SIC 34)
812500012	BITTER CREEK PIPELINES - BEECHER ISLAND	YUMA	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)
812500027	BITTER CREEK PIPELINES - BUCKBOARD C.S.	YUMA	CO	Electric, gas and sanitary services (SIC 49)
812500017	SOUTHERN STAR CENTRAL GAS PIPELINE YUMA	YUMA	CO	Extractors of crude petroleum and natural gas (SIC 13); Electric, gas and sanitary services (SIC 49)

Source: U.S. EPA, Enforcement Compliance and History Online, [www.epa.gov/echo](http://www.epa.gov/echo), February 17, 2005.

## End Notes

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<sup>1</sup> Clean Air Act § 112(b)(1).

<sup>2</sup> Clean Air Act § 112(d).

<sup>3</sup> 69 Fed. Reg. 55217, 13 September 2004.

<sup>4</sup> 69 Fed. Reg. 55217, 13 September 2004, 55218.

<sup>5</sup> 69 Fed. Reg. 55217, 13 September 2004, 55220.

<sup>6</sup> 69 Fed. Reg. 55217, 13 September 2004, 55220-55221.

<sup>7</sup> 69 Fed. Reg. 55217, 13 September 2004.

<sup>8</sup> EPA, "Regulatory Impact Analysis for the Industrial Boilers and Process Heaters NESHAP," February 2004, 9-2, downloaded from [www.epa.gov/ttn/atw/boiler/boilerpg.html](http://www.epa.gov/ttn/atw/boiler/boilerpg.html), 20 February 2005.

<sup>9</sup> EPA, "Regulatory Impact Analysis for the Industrial Boilers and Process Heaters NESHAP," February 2004, 10-45, downloaded from [www.epa.gov/ttn/atw/boiler/boilerpg.html](http://www.epa.gov/ttn/atw/boiler/boilerpg.html), 20 February 2005.

<sup>10</sup> Environment & Public Works Committee, "Inhofe, Voinovich Introduce Clear Skies Legislation" (press release), 24 January 2005.

<sup>11</sup> S.131 § 407(j)(1)(B).

<sup>12</sup> S.131, Inhofe-Voinovich-Bond Proposed Substitute Amendment (#1).

<sup>13</sup> S.131 § 402(32); § 407(j); § 407(k)(1); and § 407(k)(2).

<sup>14</sup> 69 Fed. Reg. 55217, "National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters; Final Rule," September 13, 2004. This rule applies to any industry using a boiler or process heater, including facilities in the following industries: SIC 13 (extractors of crude petroleum and natural gas); SIC 24 (manufacturers of lumber and wood products); SIC 26 (pulp and paper mills); SIC 28 (chemical manufacturers); SIC 29 (petroleum refineries and manufacturers of coal products); SIC 30 (manufacturers of rubber and miscellaneous plastic products); SIC 33 (steel works, blast furnaces); SIC 34 (electroplating, plating, polishing, anodizing, and coloring); SIC 37 (manufacturers of motor vehicle parts and accessories); SIC 49 (electric, gas, and sanitary services); SIC 80 (health services); and SIC 82 (educational services).

<sup>15</sup> U.S. EPA, Toxic Release Inventory, accessed at [www.epa.gov/tri](http://www.epa.gov/tri) on 17 February 2005.

<sup>16</sup> We generated this list using EPA's Enforcement Compliance and History Online database, [www.epa.gov/echo](http://www.epa.gov/echo). We searched for major facilities with air permits within each of the SIC codes noted above.

<sup>17</sup> 69 Fed. Reg. 55217, 13 September 2004.