

ORAL ARGUMENT NOT YET SCHEDULED

Case No. 12-1459
(Consolidated with Nos. 12-1460, 13-1147)

**UNITED STATES COURT OF APPEALS
FOR THE DISTRICT OF COLUMBIA CIRCUIT**

NATIONAL ASSOCIATION FOR SURFACE FINISHING, *et al.*,
Petitioners,

v.

U.S. ENVIRONMENTAL PROTECTION AGENCY, *et al.*,
Respondents.

On Petitions for Review of Final Action of the
U.S. Environmental Protection Agency

**COMBINED BRIEF OF
AMERICAN LUNG ASSOCIATION, AIR ALLIANCE HOUSTON,
PLEASANTVILLE AREA SUPER NEIGHBORHOOD COUNCIL #57,
ENVIRONMENT TEXAS, AND ENVIRONMENTAL
INTEGRITY PROJECT AS *AMICI CURIAE* IN SUPPORT OF
ENVIRONMENTAL PETITIONERS**

John Suttles
Myra Blake
SOUTHERN ENVIRONMENTAL LAW CENTER
601 West Rosemary Street, Suite 220
Chapel Hill, North Carolina 27516-2356
(919) 967-1450
jsuttles@selcnc.org
mblake@selcnc.org

Counsel for American Lung Association

June 9, 2014

Patrice L. Simms
Assistant Professor
HOWARD UNIVERSITY SCHOOL OF LAW
406 Houston Hall
2900 Van Ness Street NW
Washington, DC 20008
(202) 806-8027
psimms@law.howard.edu

*Counsel for Air Alliance Houston,
Pleasantville Area Super Neighborhood
Council #57, Environment Texas, and
Environmental Integrity Project*

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**RULE 26.1 DISCLOSURE STATEMENT OF
THE AMERICAN LUNG ASSOCIATION**

Pursuant to Fed. R. App. P. 26.1 and Circuit Rule 26.1, the American Lung Association makes the following disclosures:

Non-Governmental Corporate Party to this Action: American Lung Association (“ALA”).

Parent Corporations: None.

Publicly Held Company that Owns 10% or More of Party’s Stock: None.

Party’s General Nature and Purpose: ALA is a corporation organized and existing under the laws of Maine. ALA is a national nonprofit organization dedicated to a world free of lung disease and to saving lives by preventing lung disease and promoting lung health. ALA’s Board of Directors includes pulmonologists and other health professionals.

DATED: March 26, 2014

Respectfully Submitted,

/s/ John Suttles

John Suttles

Myra Blake

Southern Environmental Law Center

601 West Rosemary Street, Suite 220

Chapel Hill, NC 27516

Telephone: (919) 967-1450

Facsimile: (919) 929-9421

jsuttles@selcnc.org

mblake@selcnc.org

Counsel for American Lung Association

CORPORATE DISCLOSURE STATEMENT
OF AMICUS CURIAE AIR ALLIANCE HOUSTON

Pursuant to FED. R. APP. P. 26.1 and Circuit Rule 26.1, Air Alliance Houston makes the following disclosures:

- Air Alliance Houston is a non-profit corporation organized and existing under the laws of the State of Texas.
- Air Alliance Houston has no parent corporations.
- No publically held company holds a 10% or greater ownership interest in Air Alliance Houston.

AAH, originally formed more than twenty-five years ago as GHASP (the Galveston-Houston Association for Smog Prevention), has a mission to reduce air pollution in the Houston region and protect public health and environmental integrity through research, education, and advocacy. AAH, as a regional advocate for Houston's environmental justice communities, educates communities about local air pollution issues and both state and federal policy, participates directly in regulatory and legislative processes, testifies at hearings, and comments on significant proposals that might affect the quality of the human environment in the Houston area.

DATED: June 9, 2014

Respectfully Submitted,

/s/ Patrice L. Simms

Associate Professor

Howard University School of Law

406 Houston Hall

2900 Van Ness St. NW

Washington, DC 20008

(202) 806-8027

psimms@law.howard.edu

Counsel for Air Alliance Houston

**CORPORATE DISCLOSURE STATEMENT OF
PLEASANTVILLE AREA SUPER NEIGHBORHOOD COUNCIL #57**

Pursuant to FED. R. APP. P. 26.1 and Circuit Rule 26.1, *amicus curiae* Pleasantville Area Super Neighborhood Council #57 makes the following disclosures:

Pleasantville Area Super Neighborhood Council # 57 is a Houston-area non-profit civic organization.

Pleasantville Area Super Neighborhood Council # 57 has no parent corporations.

No publicly held company holds a 10% or greater ownership interest in Pleasantville Area Super Neighborhood Council # 57. It is made up of representatives and stakeholders from Pleasantville Civic League, Park Advisory Council, Groveland Terrace Civic Association, community churches, small business owners, non-profit organizations, neighborhood schools and area businesses. It provides residents with opportunities meet, voice concerns and discuss issues about their community, and to participate in decision-making that may affect their health and wellbeing.

DATED: June 9, 2014

Respectfully Submitted,

/s/ Patrice L. Simms

Associate Professor
Howard University School of Law
406 Houston Hall
2900 Van Ness St. NW
Washington, DC 20008
(202) 806-8027
psimms@law.howard.edu
Counsel for Pleasantville Area Super
Neighborhood Council # 57

CORPORATE DISCLOSURE STATEMENT
OF ENVIRONMENT TEXAS

Pursuant to FED. R. APP. P. 26.1 and Circuit Rule 26.1, *amicus curiae*

Environment Texas makes the following disclosures:

Environment Texas is a statewide, non-profit citizen-based environmental advocacy organization, organized under the laws of Texas.

Environment Texas has no parent corporations.

No publicly held company holds a 10% or greater ownership interest in Environment Texas.

Environment Texas is dedicated to defending the Texas environment through independent research, advocacy and grassroots action. Environment Texas conducts research, educates the public and raises awareness of environmental issues and promotes sensible solutions. Environment Texas also advocates on behalf of the Texas environment and seeks to bring the voices of concerned citizen to the right people just when it matters most.

DATED: June 9, 2014

Respectfully Submitted,

/s/ Patrice L. Simms

Associate Professor
Howard University School of Law
406 Houston Hall
2900 Van Ness St. NW
Washington, DC 20008
(202) 806-8027

psimms@law.howard.edu
Counsel for Environment Texas

**CORPORATE DISCLOSURE STATEMENT OF
THE ENVIRONMENTAL INTEGRITY PROJECT**

Pursuant to FED. R. APP. P. 26.1 and Circuit Rule 26.1, *amicus curiae* the Environmental Integrity Project makes the following disclosures:

EIP is a non-profit corporation organized and existing under the laws of the District of Columbia.

EIP has no parent corporations.

No publicly held company holds a 10% or greater ownership interest in EIP.

EIP is a nonprofit organization dedicated to the enforcement of anti-pollution laws. EIP works to provide objective analysis of how the failure to enforce or implement environmental laws increases pollution and affects the public's health; to hold federal and state agencies, as well as individual sources of pollution, accountable for failing to enforce or comply with environmental laws; and to help individuals and communities obtain the protection of environmental laws. Additional information concerning EIP's mission, programs, regulatory initiatives, litigation, and reports can be found at www.environmentalintegrity.org.

DATED: June 9, 2014

Respectfully Submitted,

/s/ Patrice L. Simms

Associate Professor
Howard University School of Law
406 Houston Hall
2900 Van Ness St. NW
Washington, DC 20008
(202) 806-8027
psimms@law.howard.edu
Counsel for the Environmental Integrity
Project

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ORAL ARGUMENT NOT YET SCHEDULED

**UNITED STATES COURT OF APPEALS
FOR THE DISTRICT OF COLUMBIA CIRCUIT**

NATIONAL ASSOCIATION FOR
SURFACE FINISHING, *et al.*,

Petitioners,

v.

U.S. ENVIRONMENTAL
PROTECTION AGENCY, *et al.*,

Respondents.

Case No. 12-1459
(Consolidated with
Nos. 12-1460, 13-1147)

**COMBINED BRIEF OF AMERICAN LUNG ASSOCIATION, AIR
ALLIANCE HOUSTON, PLEASANTVILLE AREA SUPER
NEIGHBORHOOD COUNCIL #57, ENVIRONMENT TEXAS, AND
ENVIRONMENTAL INTEGRITY PROJECT AS AMICI CURIAE IN
SUPPORT OF ENVIRONMENTAL PETITIONERS**

**SUMMARY OF ARGUMENT AND STATEMENT AS TO IDENTITY OF
AMICI CURIAE, INTERESTS IN THE CASE, AND AUTHORITY TO FILE**

Congress enacted the hazardous air pollution provisions of Clean Air Act § 112 with one purpose in mind: to prevent cancer and other serious health harms caused by exposure to highly toxic air pollutants. In the 1970 Clean Air Act, the initial iteration of § 112 established a risk-based regime by which EPA exercised a great deal of discretion to identify hazardous air pollutants and their sources, and to establish emission limits that would protect public health with “an adequate margin

of safety.” This risk-based model was a failure. In the ensuing 20 years, EPA designated only a handful of pollutants as hazardous and established emission standards for only a few sources.

In 1990, Congress sought to remedy the flaws in § 112 by substantially overhauling the program. Congress sharply curtailed EPA’s discretion and replaced the risk-based regime with a technology-based approach that seeks to protect public health by ensuring that all new sources of hazardous air pollutants meet the same level of emission control that is achieved by the best-performing sources.¹

Despite substantial progress in reducing toxic air emissions following the 1990 amendments, nearly every U.S. citizen is exposed to unsafe levels of hazardous air pollution that increase the likelihood they will develop cancer or suffer other serious health harms during their lifetime. Much of the problem results from the low priority EPA has assigned to the hazardous air pollution program, substantial delays in meeting the Act’s explicit deadlines, and EPA’s failure to implement fully Congress’s stringent technology-based standards.

The chrome-plater standards typify the legal and practical problems with EPA’s approach to updating hazardous air pollution standards. EPA failed to

¹ In this brief, the phrases “best-performing” and “best-controlled” similar sources are used to collectively refer to the best performing source for new sources, and the average of the best performing 12% or five sources (depending on the size of the source category) for existing sources. 42 U.S.C. § 7412(d)(3).

comply with § 112(d), and ignored significant emission reductions that are being achieved in practice. As a result, people will be exposed to unlawful and needlessly high levels of hexavalent chromium, and the resulting health problems will be exacerbated by the interactive effects of chromium and other pollutants, multiple pathways of exposure, and historically high chromium emissions.

The effects of EPA's untenable approach to § 112(d)(6) are felt most intensely by subgroups such as children and disproportionately poor communities and communities of color. EPA's failure to adhere to Congress's directive to set emission standards based on the level of hazardous air pollutant control achieved by the best performers exposes these communities to higher emissions from multiples pollution sources. In effect, EPA's approach allows our most over-exposed and vulnerable communities to slip through the regulatory cracks, condemning them to a perpetual state of under-protection.

Because of the exceptional importance of this question and the need for EPA to comply with the plain language of § 112(d), *en banc* review is warranted in this case.

A notice of the written representation of the consent of the parties to each of the respective *amici's* participation as *amicus curiae* on behalf of Environmental Petitioners in Case No. 12-1460 was filed by the American Lung Association on March 26, 2014; by Air Alliance Houston on April 30, 2014; and by Pleasantville

Area Super Neighborhood Council #57, Environment Texas, and Environmental Integrity Project on June 9, 2014. On May 2, 2014, this Court issued an order revising the briefing schedule, pursuant to which briefs of *amicus curiae* (if any) are due on June 9, 2014. The identities and interests of *amici curiae* on behalf of Environmental Petitioners are outlined in their respective notices.²

ARGUMENT

I. SECTION 112 PRESCRIBES TECHNOLOGY-BASED EMISSION STANDARDS AS THE PRINCIPAL TOOL TO PROTECT PEOPLE AGAINST HAZARDOUS AIR POLLUTANTS.

The hazardous air pollution provisions of Clean Air Act § 112 are, at their core, designed to prevent cancer and other serious harms to health.³ More than 40 years after establishing a dedicated program to protect people from hazardous air pollution, Congress's health protection goals remain unfulfilled. Today, every U.S. citizen is exposed to hazardous air pollution levels that increase their chances

² Counsel for *amici* certify that no counsel for a party authored this brief in whole or in part and that no person, other than *amici*, their members, or their counsel, made a monetary contribution to the preparation or submission of this brief.

³ See S. Rep. No. 101-228 (1989), reprinted in 1990 U.S.C.C.A.N. 3385, 3513 (“The other kind of pollutants are called hazardous air pollutants [or] air toxics. They are generally cancer-causing substances, but other health and environmental problems may also be caused by toxics.”); *id.* at 3552 (stringent emission limitations are “appropriate as this program is for the control of extremely harmful air pollutants”).

of developing cancer.⁴ In addition, approximately 69 million Americans face respiratory hazards due to excess toxic air emissions.⁵

A. The Hazardous Air Pollutants Listed in Clean Air Act § 112(b) Cause Cancer and Threaten Health.

In Clean Air Act § 112, Congress listed 189 hazardous air pollutants that cause significant risk of death and serious injury and disease. The listed hazardous air pollutants include: strong carcinogens, such as hexavalent chromium (the pollutant at issue in this case), benzene, formaldehyde, and dioxins; potent neurotoxins, including mercury, lead, and manganese; dangerous heavy metals, like arsenic, cadmium, nickel, and selenium; and highly corrosive acid gases, such as hydrochloric acid, hydrofluoric acid, and sulfuric acid. *See* 42 U.S.C. § 7412(b). Emissions of these pollutants have both local and long-range impacts, as some pollutants concentrate near the emission source while others are carried throughout the country. Adverse health effects include premature death, cancer, neurological damage, birth defects, reproductive disruption, organ damage, irreversible disease, increased hospitalizations and medication requirements, and lost days from school and work.

⁴ EPA, *National Air Toxics Assessment: Summary of Results for the 2005 National Scale Assessment 4–5* [hereinafter *National Air Toxics Assessment*], available at http://www.epa.gov/ttn/atw/nata2005/05pdf/sum_results.pdf.

⁵ *Id.* at 5.

1. Carcinogens

In October 2013, the International Agency for Research on Cancer, part of the World Health Organization, classified outdoor air pollution as a carcinogen, in part because of the presence of recognized carcinogens in the ambient air.⁶ Over half of the hazardous air pollutants listed by Congress in § 112 are potent carcinogens.⁷ In 1990, Congress found twelve of the listed pollutants, including hexavalent chromium, products of incomplete combustion, 1,3-butadiene, benzene, formaldehyde, and chloroform, “accounted for over 90% of total annual cancer incidence” attributable to toxic air emissions.⁸ Organic compounds like benzene, formaldehyde, and 1,3-butadiene are known to cause cancers, including lymphatic malignancies and leukemia.⁹ Heavy metals like hexavalent chromium, arsenic,

⁶ See Dana Loomis et al., *The Carcinogenicity of Outdoor Air Pollution*, 13 *Lancet Oncology* 1243, 1262–63 (2013), available at [http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(13\)70487-X/fulltext](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(13)70487-X/fulltext).

⁷ See EPA, Office of the Inspector General, Rep. No. 10-P-0154, *Key Activities in EPA’s Integrated Urban Air Toxics Strategy Remain Unimplemented* 1 (2013), available at <http://www.epa.gov/oig/reports/2010/20100623-10-P-0154.pdf>.

⁸ H.R. Rep. No. 101-490(I), at 317 (1990).

⁹ U.S. Dep’t of Health and Human Servs., Pub. Health Serv. Nat’l Toxicology Program, *Report on Carcinogens* 60–62, 75–77, 195–205 (12th ed. 2011), available at <http://ntp.niehs.nih.gov/ntp/roc/twelfth/roc12.pdf>; Luoping Zhang et al., *Formaldehyde Exposure and Leukemia: A New Meta-analysis and Potential Mechanisms*, 681 *Mutation Res./Rev. Mutation Res.* 150 (2008), available at http://ehs.sph.berkeley.edu/krsmith/CRA/cancer/ZhangL_2008.pdf.

and nickel also are highly carcinogenic and are known to cause lung cancer.¹⁰ The dangers from these toxics often are exacerbated because they are emitted as fine aerosols and particulates that penetrate deep into the lungs and enter the bloodstream.¹¹

2. Neurotoxins

Scientific literature establishes that air emissions of neurotoxins, such as lead, manganese, and mercury, threaten human health.¹² Mercury is a prime

¹⁰ See Rachele Beveridge et al., *Lung Cancer Risk Associated with Occupational Exposure to Nickel, Chromium VI, and Cadmium in Two Population-Based Case-Control Studies in Montreal*, 53 Am. J. Ind. Med. 476 (2010), available at <http://onlinelibrary.wiley.com/doi/10.1002/ajim.20801/abstract>; Joshua Luo et al., *Association Between Six Environmental Chemicals and Lung Cancer Incidence in the United States*, 2011 J. Env. Pub. Health, Art. ID 463701 (2011), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136160/pdf/JEPH2011-463701.pdf>.

¹¹ See Michelle Bell et al., *Hospital Admissions and Chemical Composition of Fine Particle Air Pollution*, 179 Am. J. Resp. & Crit. Care Med. 1115 (2009), available at <http://www.atsjournals.org/doi/pdf/10.1164/rccm.200808-1240OC>; see also Shaowei Wu et al., *Blood Pressure Changes and Chemical Constituents of Particulate Air Pollution: Results From the Healthy Volunteer Natural Relocation (HVNR) Study*, 121 Env'tl. Health Persp. 66 (2013), available at <http://ehp.niehs.nih.gov/wp-content/uploads/121/1/ehp.1104812.pdf>; K. Pasanen et al., *Mortality Among Population with Exposure to Industrial Air Pollution Containing Nickel and Other Toxic Metals*, 54 J. Occup. Env'tl. Med. 583 (2012), available at <http://www.ncbi.nlm.nih.gov/pubmed/22569477>; Plinio Carta et al., *Sub-clinical Neurobehavioral Abnormalities Associated with Low Level of Mercury Exposure Through Fish Consumption*, 24 Neurotoxicology 617 (2003), available at <http://www.ncbi.nlm.nih.gov/pubmed/12900074>.

¹² See, e.g., Maryse Bouchard et al., *Intellectual Impairment in School-Age Children Exposed to Manganese from Drinking Water*, 119 Env'tl. Health Persp. 138 (2010), available at <http://ehp.niehs.nih.gov/1002321>; EPA, EPA/600/R-

example. Mercury is released into the air in various forms by power plants and other industrial sources, and is ultimately converted into methylmercury.¹³ People are exposed to methylmercury from eating fish and shellfish¹⁴ in which methylmercury accumulates and concentrates.¹⁵ Virtually all fish and shellfish species are contaminated to varying degrees, and methylmercury levels commonly found in these sources can pose risks to public health.¹⁶ When people eat contaminated fish, “[m]ethylmercury is rapidly and extensively absorbed through the gastrointestinal tract.”¹⁷

Methylmercury is highly toxic to people, adversely affecting reproduction,¹⁸ the cardiovascular,¹⁹ kidneys, liver, and immune systems,²⁰ and, especially, the

10/075F, *Integrated Science Assessment for Lead (Final Report)* (2013), available at http://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=518908.

¹³ See 70 Fed. Reg. 15,994, 16,028, 16011 (March 29, 2005).

¹⁴ EPA, EPA-452/R-97-005, *Mercury Study Report to Congress: Vol. 1: Executive Summary* 2-5, 3-31 (1997), available at

<http://www.epa.gov/ttn/oarpg/t3/reports/volume1.pdf>; EPA, EPA-453/R-98-004a, *Study of Hazardous Air Pollutant Emissions from Electric Utility Steam Generating Units—Final Report to Congress: Vol. 1* ES-15 (1998) [hereinafter *Utility Study*], available at <http://www.epa.gov/ttn/atw/combust/utiltox/eurtc1.pdf>.

¹⁵ *Mercury Study Report to Congress*, *supra* note 14, at 2-5.

¹⁶ See U.S. Food and Drug Admin., *Mercury Levels in Commercial Fish and Shellfish (1990-2010)*,

<http://www.fda.gov/food/foodborneillnesscontaminants/metals/ucm115644.htm> (last updated Apr. 16, 2013).

¹⁷ *Utility Study*, *supra* note 14, at 7-16.

¹⁸ See Christine Choy et al., *Infertility, Blood Mercury Concentrations and Dietary Seafood Consumption: A Case Control Study*, 109 *Int’l J. Obstetrics & Gynecology* 1121 (2002), available at <http://onlinelibrary.wiley.com/doi/10.1111/j.1471-0528.2002.02084.x/pdf>.

brain and central nervous system.²¹ Epidemiological studies show that mercury is particularly hazardous to infants and children, causing abnormal neurological development including brain damage, birth defects, diminished intelligence and developmental delays.²² Exposure to higher doses of methylmercury during fetal development can result in low birth weight, small head circumference, severe mental retardation, cerebral palsy, deafness, blindness, and seizures.²³ Each year, approximately 316,000–637,000 children are born having mercury levels associated with cognitive delays, learning disabilities, and loss of IQ.²⁴ The resulting loss of intelligence and other neurological impairments can cause diminished productivity that lasts a lifetime, drains educational and public

¹⁹ See Eliseo Gualler et al., *Mercury, Fish Oils, and the Risk of Myocardial Infarction*, 347 *New Eng. J. Med.* 1747 (2002), available at <http://www.nejm.org/doi/pdf/10.1056/NEJMoa020157>.

²⁰ See U.S. Dep't Health and Human Servs., Agency for Toxic Substances and Disease Registry, *Toxicological Profile for Mercury* 50–53, 56 (1999), available at <http://www.atsdr.cdc.gov/toxprofiles/tp46.pdf>.

²¹ See *id.* at 58–66; Leonardo Trasande et al., *Public Health and Economic Consequences of Methyl Mercury Toxicity to the Developing Brain*, 113 *Envtl. Health Persp.* 590 (2005), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1257552>; Margaret Karagas et al., *Evidence on the Human Health Effects of Low-Level Methylmercury Exposure*, 120 *Env. Health Persp.* 799 (2012), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3385440/pdf/ehp.1104494.pdf>.

²² See *Toxicological Profile for Mercury*, *supra* note 20, at 16–18; Leonardo Trasande et al., *supra* note 21; Margaret Karagas et al., *supra* note 21.

²³ See K. Kondo, *Congenital Minamata Disease: Warnings from Japan's Experience*, 15 *J. Child Neurology* 458 (2000), available at <http://www.ncbi.nlm.nih.gov/pubmed/10921517>.

²⁴ Leonardo Trasande, et al., *supra* note 21, at 590–96.

healthcare resources, and diminishes the quality of life for affected children and their families.

3. Acid gases

Even at trace levels, emissions of highly corrosive and water-soluble acid gases can cause irritation and tissue damage to eyes, skin, and lungs. Inhalation of acids can cause irritation and constriction of asthmatic airways.²⁵ Prolonged exposure may contribute to development of chronic airway diseases including bronchitis, asthma, and reactive airway dysfunction syndrome.²⁶

²⁵ See J.M. Fine et al., *The Role of Titratable Acidity in Acid Aerosol-Induced Bronchoconstriction*, 135 Am. Rev. Respiratory Disease 826 (1987), available at <http://www.ncbi.nlm.nih.gov/pubmed/3551704>; H. Francis et al., *Defining and Investigating Occupational Asthma: A Consensus Approach*, 64 Occup. Environ. Med. 361 (2007), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2078517/pdf/361.pdf>.

²⁶ See George Leikauf, *Hazardous Air Pollutants and Asthma*, 110 Environ. Health Persp. 505 (2002), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1241200/pdf/ehp110s-000505.pdf>; M. Medina-Ramon et al., *Asthma, Chronic Bronchitis, and Exposure to Irritant Agents in Occupational Domestic Cleaning: A Nested Case-Control Study*, 62 Occup. Environ. Med. 598 (2005), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1741089/pdf/v062p00598.pdf>; M.S. Shakeri et al., *Which Agents Cause Reactive Airways Dysfunction Syndrome (RADS)? A Systematic Review*, 58 Occup. Med. 205 (2008), available at <http://occmed.oxfordjournals.org/content/58/3/205.full.pdf>; S. Quirce et al., *Cleaning Agents and Asthma*, 20 J. Investig. Allergology Clin. Immunology, 542 (2010), available at <http://www.jiacci.org/issues/vol20issue7/1.pdf>.

Hydrofluoric acid is corrosive to the human respiratory tract and can cause severe disease.²⁷ The United Kingdom's Health Protection Agency reviewed the toxicology of hydrochloric acid/hydrogen chloride in 2007 and reported that acute exposure causes respiratory irritation, while chronic or repeated lower exposures cause lung function deficits and bronchial inflammation.²⁸ A 2004 study found evidence that U.S. children exposed to acid gases suffered reduced lung development, which puts them at risk of lung disease as they age.²⁹

To protect the public from the health effects of these and other toxic pollutants, Congress enacted and later amended § 112 to require all polluters to keep pace with the most effective pollution controls achieved in practice, as described in the following section.

²⁷ See L. Tsonis et al., *Hydrofluoric Acid Inhalation Injury*, 29 J. Burn Care Res. 852, (2008), available at <http://www.ncbi.nlm.nih.gov/pubmed/18695605>; Steve Skolnik, *Acute Inhalation Exposure to Hydrogen Fluoride*, 7 J. Occup. Env'tl. Hyg. D31, (2010), available at <http://www.ncbi.nlm.nih.gov/pubmed/20383802>.

²⁸ S. Bull, U.K. Health Prot. Agency, *Hydrogen Chloride / Hydrochloric Acid Toxicological Overview 1* (2007), available at http://www.hpa.org.uk/webc/HPAwebFile/HPAweb_C/1194947386706.

²⁹ W. Gauderman et al., *The Effect of Air Pollution on Lung Development from 10 to 18 Years of Age*, 351 New Engl J. Med. 11:1057–67 (Sept. 9, 2004), available at http://momsforcleanair.net/uploads/NEJM_--_The_Effect_of_Air_Pollution_on_Lung_Development_from_10_to_18_Years_of_Age.pdf.

B. Congress Has Sought to Protect People from Exposure to Hazardous Air Pollution Since Enactment of the 1970 Clean Air Act.

Congress enacted the modern Clean Air Act in 1970 “to protect and enhance the quality of the Nation’s air resources so as to promote the public health and welfare and the productive capacity of its population.” 42 U.S.C. § 7401(b)(1). The 1970 Act distinguished between two categories of air pollutants: pollutants for which national air quality standards were to be set (such as ground-level ozone, particulate matter, sulfur dioxide, and nitrogen oxides) and hazardous air pollutants.³⁰ Of the two, Congress found hazardous air pollutants “are often associated with more serious health impacts, such as cancer, neurological disorders, and reproductive dysfunctions.”³¹ Because of the enhanced dangers hazardous air pollutants pose to people and the environment, Congress established in the 1970 Act the first national program specifically designed to eliminate or reduce harm to human health from exposure to such pollutants.

As enacted in 1970, § 112 adopted a risk-based approach that directed EPA to identify and list those air pollutants that “cause, or contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness,” and to establish for the pollutants so listed emissions standards that “provide[] an ample margin of safety to protect the public health.” Pub. L. No. 91-

³⁰ H.R. Rep. No. 101-490(I), at 315 (1989).

³¹ *Id.*

604, § 112(a)(1), (b)(1)(B), 84 Stat. 1676, 1685 (1970). This risk-based scheme did not work. EPA proved unwilling or unable to implement a program that fulfilled Congress's health-protection goals. By 1989, the Senate concluded that "[t]he law has worked poorly. In 18 years, EPA has regulated only some sources of only seven chemicals."³²

In 1990, Congress amended the Act, Pub. L. 101-549, 104 Stat. 2399 (1990), and responded to an "existing air toxics program [that] isn't working" by overhauling the hazardous air pollutant provisions of the Act to better "protect public health and the environment from routine emissions of air toxics."³³ In its Conference Report, the Senate found "[r]igorous regulation of toxic air pollutants is needed to avoid risk of serious, irreversible damage to human health," noting that "[t]he American Lung Association, the American Public Health Association and the American Academy of Pediatrics all testified that we are facing a public health crisis due to air pollution."³⁴ To avert this imminent crisis, "[t]he 1990 Amendments confined the Administrator's discretion . . . and Congress was explicit when and under what circumstances it wished to allow for such discretion." *Sierra Club v. EPA*, 551 F.3d 1019, 1028 (D.C. Cir. 2008) (internal citations omitted).

³² S. Rep. No. 101-228, *reprinted in* 1990 U.S.C.C.A.N. 3385, 3517.

³³ *Id.* at 3788–89.

³⁴ *Id.* at 3388.

Congress listed 189 hazardous air pollutants in § 112(b), 42 U.S.C. § 7412(b)(1), and ordered EPA to identify within a year all categories of sources of listed hazardous air pollutants. *Id.* § 7412(c)(1). Congress also supplanted the risk-based approach that had stymied EPA with a technology-based approach to develop emissions standards for all categories of sources according to a strict timetable.³⁵ *Id.* § 7412(d)(1)–(3), (e). Congress specified that the resulting emission controls “shall not be less stringent than the emission control that is achieved in practice by the best controlled similar source” (the “MACT floor”), and, considering available technologies, costs, non-air-quality health and environmental impacts, and energy requirements, control levels must be tightened as much as possible beyond the MACT floor. *Id.* § 7412(d)(2)–(3). The 1990 amendments to § 112 thus reflect Congress’s considered judgment that emission standards based on the level of reduction achieved by the best-performing sources is the best way to protect people and the environment from hazardous air pollution.³⁶

³⁵ See S. Rep. No. 101-228, *reprinted in* 1990 U.S.C.C.A.N. at 3541 (“Section 112(d) established a non-discretionary duty of the Administrator . . . to promulgate technology-based emissions standards for all categories and subcategories of major emitting sources of listed hazardous air pollutants.”).

³⁶ See *id.* at 3552 (“[T]he emission limitation [required by § 112(d)] must be equivalent to the most stringent degree of control achieved in practice. That is appropriate as this program is for the control of extremely harmful air pollutants[.]”).

C. Americans Are Exposed to Excess Emissions of Hazardous Air Pollutants That Can Cause Cancer and Serious Health Harms.

Despite Congress's efforts to strengthen the health-protection standards of § 112, routine emissions of toxic pollutants continue to endanger the lives and health of people across the country. By EPA's own estimates, every U.S. citizen is exposed to unsafe levels of hazardous air pollutants that increase the likelihood they will develop cancer and other serious illnesses. EPA's latest National Air Toxics Assessment "estimates that all 285 million people in the U.S. have an increased cancer risk of greater than 10 in one million" as a result of exposure to ambient levels of hazardous air pollution.³⁷ Nearly 14 million Americans are exposed to hazardous air pollution levels that increase the chance they will contract cancer to greater than 100 in a million.³⁸ Further,

The average, national, cancer risk for 2005 is 50 in a million. This means that, on average, approximately 1 in every 20,000 people have an increased likelihood of contracting cancer as a result of breathing air toxics from outdoor sources if they were exposed to 2005 emission levels over the course of their lifetime.³⁹

The statistics for children are equally startling and dire: "In 2005, nearly all children (99.9%) lived in census tracts in which [hazardous air pollutant] concentrations combined to exceed the 1-in-100,000 cancer risk benchmark.

Seven percent of children lived in census tracts in which [hazardous air pollutants]

³⁷ *National Air Toxics Assessment*, *supra* note 4, at 4.

³⁸ *Id.* at 4–5.

³⁹ *Id.* at 5.

combined to exceed the 1-in-10,000 cancer risk benchmark.”⁴⁰ Emissions of formaldehyde, benzene, acetaldehyde, carbon tetrachloride, and hexavalent chromium posed the biggest threats of childhood exposures to carcinogens.⁴¹ In addition, 56% of U.S. children live in census tracts in which concentrations of at least one hazardous air pollutant exceeded the benchmark for health effects other than cancer.⁴²

The full measure of the public health protections promised in the 1990 amendments to § 112 have been delayed or denied in large part because EPA has assigned the hazardous air pollution program a “lower priority relative to other clean air programs.”⁴³ Consequently, EPA has issued most standards years late;⁴⁴ “the agency lacks a program implementation strategy;”⁴⁵ and EPA admits that it often takes actions required under § 112 only if external stakeholders file litigation in response to the agency’s missed deadlines.⁴⁶ When EPA has developed MACT emission standards, it has often ignored the technologies and the emission-control levels achieved by the best-performing sources, which is the core directive of the

⁴⁰ EPA, *America’s Children and the Environment* 56 (3rd ed. 2013), available at http://www.epa.gov/ace/pdfs/ACE3_2013.pdf.

⁴¹ *Id.*

⁴² *Id.* at 57.

⁴³ U.S. Gov’t Accountability Office, GAO-06-669, *Clean Air Act: EPA Should Improve the Management of Its Air Toxics Program* 15 (2006), available at <http://www.gao.gov/assets/260/250607.pdf>.

⁴⁴ *Id.*

⁴⁵ *Id.*

⁴⁶ *Id.* at 5.

health-protection approach Congress established in the 1990 amendments. 42 U.S.C. § 7412(d)(1)–(3). The U.S. Government Accountability Office has observed that “[i]n terms of the stringency of the technology standards used to limit emissions of air toxics, California and New Jersey officials said that the technology standards in their states were often more stringent than EPA’s MACT standards.”⁴⁷ In just one example, “California officials said that petroleum refineries in their state use more stringent control technologies, and they noted that EPA chose not to include these technologies as part of its survey of controls already in use when it developed the MACT standard for this industry.”⁴⁸ As a result of EPA’s low prioritization of the hazardous air pollution program and the resulting delays and failure to implement the technology-based mandate of § 112(d), the health protections guaranteed in the 1990 amendments remain unfulfilled.

II. EPA’S FAILURE TO COMPLY WITH § 112(d) ENDANGERS PUBLIC HEALTH.

The chrome-plater standards illustrate the public health problems that result from EPA’s failure to adhere to § 112(d). As described in Environmental Petitioners’ brief, EPA did not follow the non-discretionary requirements of § 112(d) when setting the chrome-plater standards. As a result of EPA’s

⁴⁷ *Id.* at 34.

⁴⁸ *Id.*

misperception that it has complete discretion when updating standards, it settled on weaker standards that result in greater emissions and serious health problems, including cancer. These health problems are further magnified by cumulative emissions and exposures, and disproportionately affect vulnerable portions of the population such as children, minorities, and low-income communities. EPA attempted to justify these excessive health hazards based on the cost of compliance, but EPA is explicitly prohibited from considering costs when updating MACT floor standards under § 112(d).⁴⁹ By failing to set standards that match reductions already achieved in practice, EPA's approach undermines the requirements and goals of the Act, and unlawfully exposes Americans to needlessly high levels of hexavalent chromium.

A. EPA's unlawful standards will unnecessarily harm people's health, even by EPA's own estimates.

Hexavalent chromium is a potent carcinogen for which Congress found there are no safe levels of exposure.⁵⁰ Under EPA's own estimates, the chrome-plater standards would allow for cancer threats 50 to 70 times higher than the level achieved in practice: approximately 1-in-14,000 for decorative chromium electroplating, 1-in-16,000 for chromic acid anodizing, and 1-in-20,000 for hard

⁴⁹ In contrast, EPA can consider costs when setting beyond-the-floor standards. 42 U.S.C. § 7412(d).

⁵⁰ In the 1990 Clean Air Act amendments, Congress recognized that for carcinogens, "no level of exposure may be considered safe." S. Rep. No. 101-228, *reprinted in* 1990 U.S.C.C.A.N. 3385, 3517.

chromium electroplating. *See* 77 Fed. Reg. 58,220, 58,226, 58,228–29 (Sept. 19, 2012). As EPA acknowledges, requiring sources across the country to match the reductions already being achieved in California “would likely reduce risks to below 1-in-1 million for all hard chromium plants.” *Id.* at 58,227. The cancer hazards allowed by the final rule are high, but they are also avoidable. Had EPA complied with the statutory mandate in § 112(d), these impacts would have been greatly curtailed. Although § 112(d) prohibits EPA from considering costs when updating the MACT floor, EPA’s rejection of more stringent reductions was based on costs.

Allowing EPA to disregard industry achievements that result in lower emissions will not only pose unnecessary threats from hexavalent chromium, it will also allow unlawfully high emissions of all hazardous pollutants going forward. As explained above, every person in the country already has a 1-in-100,000 chance of contracting cancer due to toxic air pollution, and for many people the chance is greater than 1-in-10,000. If EPA continues to violate § 112(d), this problem will persist indefinitely, and the public will never receive the benefits that Congress envisioned in the 1990 amendments.

In addition to lung, stomach, and intestinal cancer, hexavalent chromium also causes other health problems. High exposures can cause respiratory damage

and breathing problems such as asthma, coughing, and wheezing.⁵¹ Hexavalent chromium is also linked to liver and kidney failure and reproductive problems.⁵² As explained below, these problems are worsened by the cumulative effects of hexavalent chromium and exposures of many vulnerable subgroups of the population.

B. Other factors amplify the harm caused by hexavalent chromium and other hazardous air pollutants.

The public health harms caused by EPA's failure to comply with § 112(d) are exacerbated by the cumulative effects of and exposures to hexavalent chromium. These include emissions from clusters of sources, the interactive effects of hexavalent chromium and other pollutants, and real-life exposure pathways.⁵³ In addition, millions of Americans—such as children and minorities—are particularly susceptible to the problems caused by hexavalent chromium, as explained below. Given the complexities inherent in evaluating the

⁵¹ U.S. Dep't Health and Human Servs., Agency for Toxic Substances and Disease Registry, *Toxicological Profile for Chromium 4*, 52, 75–84 (2012), available at <http://www.atsdr.cdc.gov/toxprofiles/tp7.pdf>.

⁵² *Id.* at 4, 88–93, 99–101; Cal. EPA, Air Res. Board, *Proposed Amendments to the Hexavalent Chromium Airborne Toxic Control Measure for Chrome Plating and Chromic Acid Anodizing Operations* 67 (Aug. 11, 2006), available at <http://www.regulations.gov/contentStreamer?objectId=0900006480b5baa1&disposition=attachment&contentType=pdf>.

⁵³ EPA, EPA/600/R-06/013F, *Concepts, Methods and Data Sources for Cumulative Health Risk Assessment of Multiple Chemicals, Exposures and Effects: A Resource Document* at xxxii (2007), available at http://ofmpub.epa.gov/eims/eimscomm.getfile?p_download_id=474337.

full health threats to the most vulnerable individuals, as well as EPA's inaction on the risk-based requirements of the 1970 Act, Congress introduced the technology-based standards in § 112(d) to remove EPA's discretion and to simplify and accelerate the health-protection goals of the Act, as described above.⁵⁴

If EPA is allowed to update standards at its discretion—rather than follow the mandate of § 112(d)—it will have full rein to continue to set standards that fall far short of what sources are already achieving in practice. Not only will Americans be exposed to unsafe emissions of hexavalent chromium, they will also breathe excessive levels of *all* hazardous air pollutants. As a result, EPA's noncompliance with § 112(d) will move the nation farther away from fulfilling the public health improvements promised by the Act.

1. Section 112(d) is designed to protect against the cumulative effects.

Section 112(d) requires EPA to reduce cumulative effects of hazardous air pollutants by periodically updating its emission standards to match the improvements achieved in practice. Many people who are exposed to the highest levels of hexavalent chromium live near industrial areas with numerous pollution sources, which compound the effects of hexavalent chromium pollution. As the National Academy of Sciences recently emphasized, “[i]t is difficult to imagine any risk assessment in which it would not be important to understand the effects of

⁵⁴ See *supra* Section I.B.

coexposures to agents or stressors that have similar [modes of action].”⁵⁵ A recent meta-study cited by EPA found that the synergistic effects of multiple-pollutant exposures may increase risk by a factor of four, *beyond* the additive effects of the individual risk presented by each pollutant.⁵⁶ If EPA is allowed to disregard § 112 when it updates emission standards, as it did in the chrome-plater rule, people will continue to be exposed to the compounding effects of higher-than-allowable emissions from all industrial sources.

People are also exposed to the health hazards of hexavalent chromium through multiple pathways, including inhalation and ingestion of contaminated food and water.⁵⁷ Ingestion occurs after airborne chromium settles on crops, in drinking water, and in the soil.⁵⁸ Updated health assessments reveal that chromium

⁵⁵ Nat’l Acad. of Sci., *Science and Decisions: Advancing Risk Assessment* 219 (2009), available at <http://www.epa.gov/region9/science/seminars/2012/advancing-risk-assessment.pdf>.

⁵⁶ Alan Boobis et al., *Critical Analysis of Literature on Low-Dose Synergy for Use in Screening Chemical Mixtures for Risk Assessment*, 41 *Crit. Rev. Toxicol.* 369–83 (2001), available at <http://www.ncbi.nlm.nih.gov/pubmed/21309635> (cited by EPA, *A Summary of Publications on Methods and Tools for Assessing Cumulative Risk, Project Summary* (Sept. 30, 2012), http://cfpub.epa.gov/si/si_public_record_report.cfm?dirEntryId=246553&searchAl=hazardous&NoArchive=1&SIType=PR&fed_org_id=111).

⁵⁷ Nat’l Toxicology Program, *Hexavalent Chromium 1* (2007), available at <http://ntp.niehs.nih.gov/ntp/Factsheets/NTPHexaVChrmFactR5.pdf>.

⁵⁸ *Toxicological Profile for Chromium*, *supra* note 51, at 2.

“may persist for years in soils without reduction.”⁵⁹ And in California, chromium levels in drinking water have been detected at over five times the level that EPA considers acceptable.⁶⁰ Because exposure is not limited to inhalation, the effects of hexavalent chromium emissions are even worse than EPA anticipates, which intensifies the real-world health problems caused by EPA’s failure to comply with the required technology-based updates.

Assessment of the full health effects of hazardous air pollution is also complicated by the fact that historical emissions and exposures have enduring effects. As EPA’s own Science Advisory Board cautions, “[An] analysis that does not add exposures to baseline contamination to the estimates of on-going contamination may vastly underestimate the hazard quotient at the site and incorrectly conclude that the on-going releases pose risks at less than threshold levels.”⁶¹ Many of the most-exposed individuals have also likely endured equal or higher levels of chromium in the past.

⁵⁹ Cal. EPA, Office of Env’tl. Health Hazard Assessment, *Air Toxics Hot Spots Program Risk Assessment Guidelines, Technical Support Document for Exposure Assessment and Stochastic Analysis, Scientific Review Panel Draft F-27* (2012), available at http://www.oehha.org/air/hot_spots/SRP/combinedsmall.pdf.

⁶⁰ Matthew Stout et al., *Hexavalent Chromium Is Carcinogenic to F344/N Rats and B6C3F1 Mice After Chronic Oral Exposure*, 117 *Env’tl. Health Persp.* 716, 716 (2009), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2685832/pdf/ehp-117-716.pdf>.

⁶¹ EPA, Science Advisory Board, *Review of EPA’s Draft Entitled “Risk and Technology Review (RTR) Risk Assessment Methodologies: For Review by the EPA’s Science Advisory Board with Case Studies – MACT I Petroleum Refining*

Section 112(d) bypasses the uncertainties of background exposures and levels of hazardous air pollution by requiring EPA to set standards based on the best-performing sources. Because EPA did not comply with § 112(d) in setting the chrome-plater standards, people who live in areas with high background levels of chromium will suffer even greater health problems than EPA admits.

2. Hexavalent chromium is especially hazardous to children, minorities, and low-income populations.

a. *Early-life exposures to hexavalent chromium increase the damage caused by the pollutant.*

By side-stepping the emission reductions required by § 112(d), EPA's standards would further jeopardize the most vulnerable portions of the population. Studies have established that developing children and fetuses are more susceptible to adverse effects of pollution due to increased exposure and increased vulnerability.⁶² EPA's own Integrated Risk Information System links chromium exposure to fetal damage, including reductions in weight, higher incidences of stillbirth, and developmental abnormalities.⁶³ These problems are particularly alarming because almost half of the chrome plating facilities in California, for example, are located within one block of a school, day care, residence, or other

Sources and Portland Cement Manufacturing" 41 (May 2010) [hereinafter *Science Advisory Board Review*], available at

<http://permanent.access.gpo.gov/gpo47277/EPA-SAB-10-007-unsigned.pdf>.

⁶² Nat'l Acad. of Sci., *supra* note 58, at 287.

⁶³ EPA, Integrated Risk Info. Sys., *Chromium (VI)* (CASRN 18540-29-9), <http://www.epa.gov/iris/subst/0144.htm> (last upd. Aug. 9, 2012).

sensitive receptor.⁶⁴ A study by USA Today found that 3,000 of the schools examined across the nation had air that was at least 10 times as toxic as the air at a typical location in their respective districts.⁶⁵

Both the National Academy of Sciences and EPA's Science Advisory Board have urged the Agency to correct its failure to account for the increased prenatal and childhood sensitivity to carcinogens.⁶⁶ Children are not little adults, and because of their rapidly developing organs and systems, are more sensitive to lower concentrations of pollutants.⁶⁷ EPA has acknowledged that hexavalent chromium "may present a disproportionate risk to children."⁶⁸

Because children are exposed to excessively high levels of all hazardous air pollutants, the consequences of failing to comply with § 112(d) extend far beyond the current rulemaking.⁶⁹ If EPA is not required to comply with § 112(d) when it

⁶⁴ Cal. EPA, Air Res. Board, *Overview of the Airborne Toxic Control Measure for Chromium Plating 1* (2009), available at http://www.arb.ca.gov/html/fact_sheets/chrome_plating.pdf.

⁶⁵ Blake Morrison et al., *The Smokestack Effect*, USA Today (Dec. 7, 2008, 11:49 PM), <http://usatoday30.usatoday.com/news/nation/environment/school-air2.htm>.

⁶⁶ Nat'l Acad. of Sci., *supra* note 58, at 112; *Science Advisory Board Review*, *supra* note 61, at 7.

⁶⁷ EPA, EPA-HQ-OAR-2010-0600-0630, *Residual Risk Assessment for the Chromic Acid Anodizing, Decorative Chromium Electroplating, and Hard Chromium Electroplating Source Categories 11* (2002) (recognizing that the risk of pollutants with mutagenic effects should be multiplied by 10 for children under the age of two, and by three for children ages 2–15).

⁶⁸ 77 Fed. Reg. at 58,241.

⁶⁹ *America's Children and the Environment*, *supra* note 40, at 56–57.

updates pollution standards, children will continue to be exposed to excessive dangers from hexavalent chromium and all other hazardous air pollutants.

- b. EPA's departure from the plain language of the Act disproportionately harms minority and low-income communities.*

EPA's approach to § 112(d)(6) implementation exposes low-income and minority communities to disproportionately high pollution burdens, and fails to address their higher levels of exposure. EPA's approach allows our most over-exposed and vulnerable communities to slip through the seams, condemning them to a perpetual state of under-protection. Moreover, it does so based on an arbitrary dollar-per-pound threshold adopted with no mooring in the Clean Air Act. This approach cannot be reconciled with a statutory structure that contemplates, as its central feature, minimum technology-based emission limits, or with the underlying congressional intent.

Minority and poor communities suffer disproportionately from exposure to hazardous air pollutants and other environmental burdens.⁷⁰ Multiple sources of pollution are more likely to be concentrated in such communities;⁷¹ low-income

⁷⁰ See generally Cal. EPA, Office of Env'tl. Health Hazard Assessment, *Cumulative Impacts, Building a Scientific Foundation* (2010), available at <http://oehha.ca.gov/ej/pdf/CIReport123110.pdf> (citing numerous studies showing disproportionate impacts associated with exposure to toxic air emissions and other environmental hazards).

⁷¹ See *id.* at 5–18.

and minority workers have higher occupational exposures;⁷² and exposures may result in worse outcomes due to other health stressors in their daily lives.⁷³

These communities not only experience disproportionately high exposures to hazardous pollutants in general; according to EPA's own analysis, they also experience higher exposures to air toxics from the chromium electroplating industry. EPA's socio-economic analyses of the Chromium Electroplating Rules show that 131,000 people will experience cancer risks of greater than 1-in-1,000,000 from hard-chromium electroplating, and that this population is disproportionately includes minorities.⁷⁴

Other source categories for which EPA has conducted detailed demographic analyses show similar trends. For example, EPA's analysis for the secondary lead-smelting source category demonstrated that most of the 84,000 individuals subject to cancer risks of greater than 1-in-1,000,000 are minorities, individuals without a

⁷² See Linda Rae Murray, *Sick and Tired of Being Sick and Tired: Scientific Evidence, Methods, and Research Implications for Racial and Ethnic Disparities in Occupational Health*, 93 Am. J. Pub. Health 221, 222 (2003), available at <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1447720/pdf/0930221.pdf>.

⁷³ See Rachel Morello-Frosch et al., *Understanding the Cumulative Impacts of Inequalities in Environmental Health: Implications for Policy*, 30(5) Health Affairs 879, 881 nn.24–26 (2011), available at <http://content.healthaffairs.org/content/30/5/879.full.pdf>.

⁷⁴ EC/R Inc., *Risk and Technology Review—Analysis of Socio-Economic Factors for Populations Living Near Hard Chromium Electroplating Facilities* 8 tbl. 2 (2011), available at <http://earthjustice.org/sites/default/files/chromeplatinganalysis.pdf>.

high school diploma, and linguistically isolated populations.⁷⁵ EPA's analysis of impacts from the acrylic- and modacrylic-fiber source category also showed disproportionate risks for African-Americans.⁷⁶ EPA's proposed standards for petroleum refineries show that 50% of individuals who live closest to these facilities are minorities.⁷⁷

Because EPA only recently began preparing such analyses, this kind of demographic information exists for only a small handful of hazardous air pollutant rules. But there is no reason to expect that these disproportionate impacts are atypical, especially for sources located near major population centers, which also affect the largest number of people.

⁷⁵ EC/R Inc., *Risk and Technology Review, Final Analysis of Socio-Economic Factors for Populations Living Near Secondary Lead Smelting Facilities*, 10 tbl.2 (2011), available at

<http://earthjustice.org/sites/default/files/Leadsmeltersocioeconomicanalysis.pdf>.

⁷⁶ See EC/R Inc., *Risk and Technology Review, Analysis of Socio-Economic Factors for Populations Living Near Acrylic and Modacrylic Fiber Facilities* 8 tbl.2 (2013), available at

<http://www.regulations.gov/contentStreamer?objectId=09000064814aa124&disposition=attachment&contentType=pdf> (African-Americans represent 30% of the 81,000 people who will experience risks of greater than 1-in-1 million, while they represent only 13% of the U.S. population); see also Nick Parsons, EPA, *Environmental Justice Review: Amino/Phenolic Resins, Acrylic and Modacrylic Fibers Production, and Polycarbonate Production* (2013), available at <http://www.regulations.gov/contentStreamer?objectId=09000064814aa127&disposition=attachment&contentType=pdf>.

⁷⁷ EPA, EPA-HQ-OAR-2010-0682, *Petroleum Refinery Sector Risk and Technology Review and New Source Performance Standards* 293–94 tbl.12 (proposed May 15, 2014), available at <http://www.epa.gov/ttn/atw/petrefine/20140515fr.pdf> (publication pending in the Federal Register).

Industrial polluters are more likely to locate and concentrate near low-income and minority communities. As a result, these communities are more likely to suffer disproportionate exposures from individual sources and from cumulative emissions by multiple types of sources. For instance, in addition to the 52 sources of hexavalent chromium in Houston, Texas,⁷⁸ there are 465 identified hazardous air pollution sources,⁷⁹ including sources of formaldehyde, ethyl benzene, acetaldehyde, acrolein, and butadiene.⁸⁰

Air quality in Houston is among the most hazardous in the country. According to information generated by EPA's EJView mapping tool, certain communities in eastern Houston (like Galena Park) have total cancer risks that exceed 100-in-1,000,000, and nearly the entire eastern portion of the city experiences cancer risks that exceed 75-in-1,000,000.⁸¹ This area has several

⁷⁸ Information accessible at EPA, *The 2008 National Emissions Inventory*, <http://www.epa.gov/ttnchie1/net/2008inventory.html> (last updated Dec. 2, 2013) (under Maps and Fusion Tables, select Table beside Chromium VI, then filter by city). In order to make this information more readily accessible to the court, we have generated and provided the results from this query in the form of maps and tables in an Addendum. See Addendum at 20–21.

⁷⁹ See EPA, *ECHO: Enforcement and Compliance History Online*, <http://echo.epa.gov> (last visited June 9, 2014).

⁸⁰ See Addendum at 3–8, 13–19, 22–25; *The 2008 National Emissions Inventory*, *supra* note 78. EPA's mapping tool also identifies sources of arsenic, tetrachloroethylene, and mercury.

⁸¹ See Addendum at 26–27; EPA, *EJView*, <http://epamap14.epa.gov/ejmap/entry.html> (last updated Jan. 11, 2013) [hereinafter EJView]. The EJView Environmental Report for this area also identifies 121 air pollutant sources, 131 sources listed in EPA's Toxic Release Inventory, 624

school districts with the highest air-toxics exposures in the country, including the school ranked second for most hazardous air quality.⁸²

Congress sought to prevent precisely these types of intense, cumulative harms and disproportionate impacts in the 1990 amendments to § 112. In its report on those amendments, the Senate recognized that “[w]e are routinely exposed to thousands of different air pollutants emitted every day. Exposure to this mix of pollutants can produce more adverse health effects than exposure to each of the individual pollutants. . . .The health problem is serious and it is pervasive.”⁸³ The House considered the amendments to § 112 as more of “a ‘risk equity’ measure than a ‘public health’ measure.”⁸⁴

The plain language of the revisions to § 112(d) reflects Congress’s desire to address the plight of communities that are exposed to hazardous pollutants from multiple sources and/or to multiple pollutants. EPA’s decision to ignore the plain

facilities producing or handling hazardous waste, 129 facilities discharging to waters, 24 brownfields, 3 facilities listed in the Radiation Information Database, 42 facilities subject to the Toxic Substances Control Act, and 1 Superfund site. *See id.*; Addendum at 28.

⁸² *See USA Today, The Smokestack Effect*, <http://content.usatoday.com/news/nation/environment/smokestack/school/89908> (last visited June 6, 2014).

⁸³ S. Rep. No. 101-228, *reprinted in* 1990 U.S.C.C.A.N. 3385, 3388–89; *see also id.* at 3388 (“[T]here are many pathways of exposure to hazardous pollutants and contaminants. Exposure to polluted outdoor and indoor air, contaminated water and soil can combine to produce greater risks than exposure through only one source.”).

⁸⁴ H.R. Rep. No. 101-490(I), at 318 (1990).

language of § 112(d), and to read out of the Act the clear obligation for standards adopted under that section to meet the substantive criteria of subsections 112(d)(2) and (d)(3), undermines Congressional intent and the Act's ability to protect the most vulnerable communities from multiple types and sources of hazardous air emissions.

Thus, fidelity to the plain language of § 112(d) is vital to overburdened communities. An iterative, technology-based standard-setting process that conforms to § 112(d) is the only mechanism through which relief will come. If the Court upholds EPA's current interpretation, it will leave a tear in the statutory safety net through which many over-burdened communities will fall, leaving them perpetually under-protected from hazardous exposures.

CONCLUSION

For all of the foregoing reasons, the Court should grant *en banc* review and remand EPA's Final Rule, without vacatur.

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Respectfully Submitted,

/s/ John Suttles

John Suttles

Myra Blake

Southern Environmental Law Center

601 West Rosemary Street, Suite 220

Chapel Hill, NC 27516

Telephone: (919) 967-1450

Facsimile: (919) 929-9421

jsuttles@selcnc.org

mblake@selcnc.org

Counsel for American Lung Association

/s/ Patrice L. Simms

Assistant Professor

Howard University School of Law

406 Houston Hall

2900 Van Ness St. NW

Washington, DC 20008

(202) 806-8027

psimms@law.howard.edu

*Counsel for Air Alliance Houston,
Pleasantville Area Super Neighborhood
Council #57, Environment Texas, and
Environmental Integrity Project*

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1. This brief complies with the type-volume limitation of Fed. R. App. P. 32(a)(7)(B) because: it contains 6,906 words, excluding the parts of the brief exempted by Fed. R. App. P. 32(a)(7)(B)(iii).
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/s/ John Suttles

Attorney for *Amicus Curiae* American Lung Association

Dated: June 9, 2014

**ADDENDUM TO COMBINED BRIEF OF
AMERICAN LUNG ASSOCIATION, AIR ALLIANCE HOUSTON,
PLEASANTVILLE AREA SUPER NEIGHBORHOOD COUNCIL #57,
ENVIRONMENT TEXAS, AND ENVIRONMENTAL INTEGRITY
PROJECT AS *AMICI CURIAE* IN SUPPORT OF
ENVIRONMENTAL PETITIONERS**

Data and Maps Generated Using EPA's Online 2008 National
Emissions Inventory and EJView

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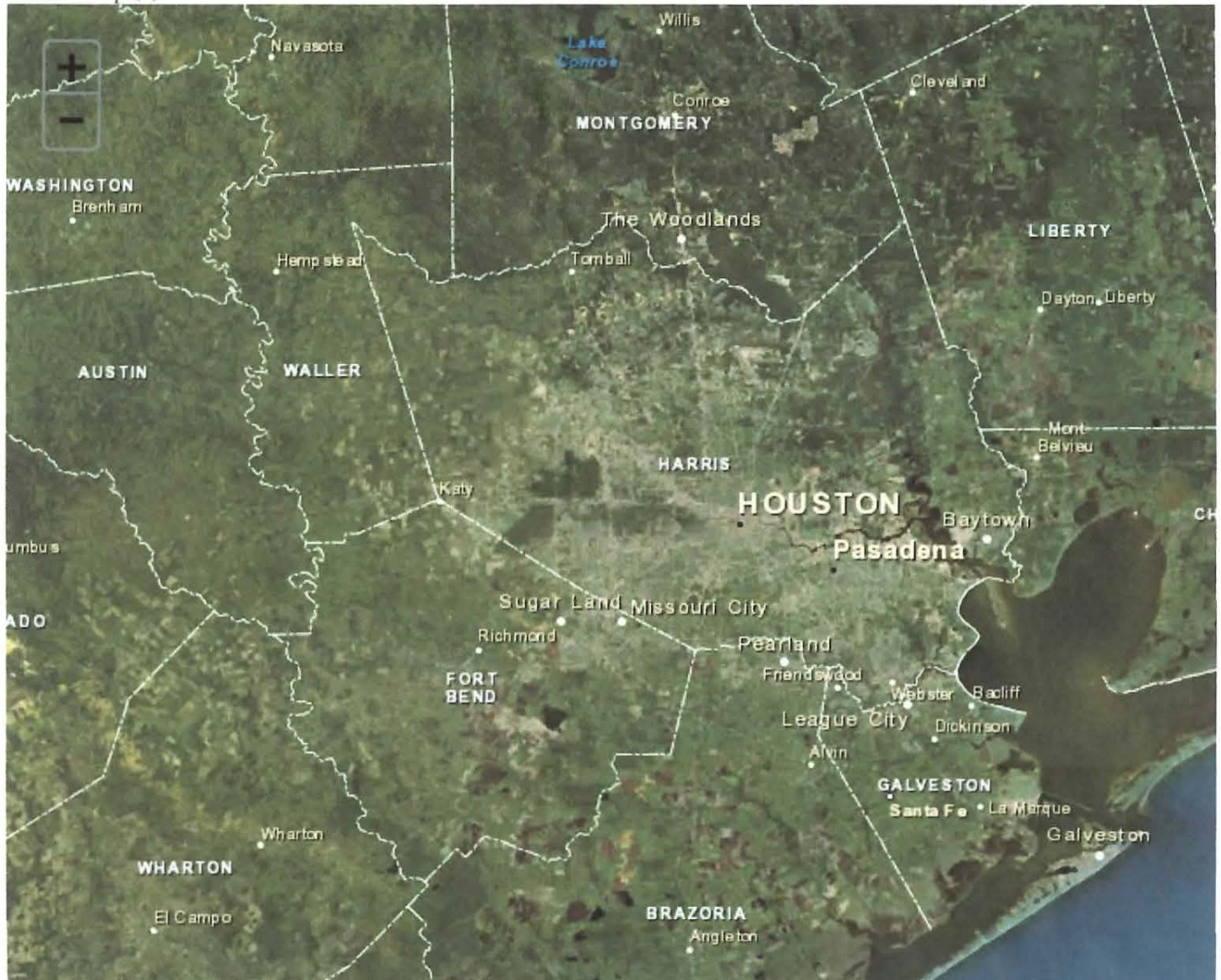
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- 418 Facilities with a Current Violation/s
- 601 Facilities with Violations in the Last Three Years
- 87 Facilities with Formal Enforcement Actions in the Last Five Years
- 465 CAA Sources
- 817 Facilities with CWA Permits
- 1,736 Facilities with RCRA IDs
- 244 Facilities with TRI Releases

Facility Summary(#)

Search Criteria(#)

City, state, and/or ZIP code: Houston, texas

Active/Operating=Yes

Date Last Updated (http://epa.gov/about_data#sources)

Last updated April 23, 2014

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9129011	8795.88 TX	Harris	William P Ho Airport			Houston		0	48811 Airport Oper		48201 Unknown	29.65	-95.27
4204511	1650.2 TX	Panola	CARTHAGE C Oil or Gas Processing			HOUSTON	77210	211111 Crude Petrol			48365 1 MI S OF CA	32.11	-94.33
9131411	1008.26 TX	Harris	David Wayne Airport			Houston		0	48811 Airport Oper		48201 Unknown	30.07	-95.55
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6600111	841.14 TX	Chambers	ENTERPRISE Chemical Plant			HOUSTON	77210	325110 Petrochemic			48071 10207 FM 19	29.85	-94.91
4942411	712.77 TX	Harris	TEXAS MEDIC Steam/Heating Facility			HOUSTON	77030	221330 Steam and A			48201 1615 BRAESV	29.7	-95.39
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4182511	394 TX	Harris	HOUSTON R Petroleum Refinery			HOUSTON	77012	324110 Petroleum Ri			48201 9701 MANCH	29.72	-95.25
9138411	243.1 TX	Fort Bend	Houston-Sou Airport			Houston		0	48811 Airport Oper		48157 Unknown	29.5	-95.47
6422211	240 TX	Harris	NORTH MILT Oil or Gas Processing			HOUSTON	77001	211111 Crude Petrol			48201 1.6 MI SOUTI	29.97	-95.46
3967811	180 TX	Fort Bend	THOMPSON Oil or Gas Processing			HOUSTON	77210	211111 Crude Petrol			48157 ON AN OIL FI	29.43	-95.56
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6672211	129.74 TX	Harris	ALMEDA LPG TERMINAL			HOUSTON	77053	486990 All Other Pip			48201 11650 ALMEI	29.64	-95.4
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9502311	95.5 MS	Chickasaw	Houston Mui Airport			Houston		38851	48811 Airport Oper		28017 Highway 15	33.89	-89.02
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14766711	8.47 TX	Harris	THE METHOI Institutional (school, hospi			HOUSTON	77030	622110 General Med			48201 INTX OF MAI	29.71	-95.39
15042511	6.6 TX	Harris	MCCORD 1 FACILITY			HOUSTON	77044	211111 Crude Petrol			48201 3.5 M NW OF	29.9	-95.16
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11109311	2.75 TX	Harris	HEARTHSTOF Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.87	-95.63
11122611	2.75 TX	Harris	NW POLICE S Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.85	-95.53
11266811	2.75 TX	Harris	GELLHORN P Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.78	-95.26
11543611	2.75 TX	Harris	HOUSTON Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.81	-95.66
11543811	2.75 TX	Harris	HARRIS COUI Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.71	-95.47
11550111	2.75 TX	Harris	BEAR CREEK Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.79	-95.63
11562211	2.75 TX	Harris	VETERANS AI Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.7	-95.38
11573111	2.75 TX	Harris	STAR HOUST Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.78	-95.44
11577311	2.75 TX	Harris	DELTA MECH Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.85	-95.4
11579411	2.75 TX	Harris	THE AMERIC Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.76	-95.39
11591711	2.75 TX	Harris	HOUSTON PC Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.65	-95.32
11595711	2.75 TX	Harris	ST LUKES EPI Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.7	-95.38
11608311	2.75 TX	Harris	GOODSON H Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	30	-95.42
11612311	2.75 TX	Harris	KHOU-TV Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.76	-95.38
11627511	2.75 TX	Harris	ALDINE Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.92	-95.35
11675911	2.75 TX	Harris	TEX-STAR Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.78	-95.41
11676011	2.75 TX	Harris	WOODCREEK Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.78	-95.6
11676311	2.75 TX	Harris	HARRIS COUI Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.83	-95.65
11718911	2.75 TX	Harris	HICKORY HO Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.92	-95.52
11745411	2.75 TX	Harris	B & S WAREF Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.72	-95.52
11749011	2.75 TX	Galveston	KEMAH WAT Airport			HOUSTON		0	48811 Airport Oper		48167 Unknown	29.54	-95.01
11765711	2.75 TX	Harris	LIFT CRANE Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.63	-95.45
11765811	2.75 TX	Harris	PEARCE INDL Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.65	-95.46
11768011	2.75 TX	Harris	PORTA-KAMI Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.79	-95.44
11773411	2.75 TX	Harris	USCG PORT S Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.72	-95.25
11784411	2.75 TX	Harris	POST OAK CE Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.72	-95.46
11801211	2.75 TX	Harris	BALL PARK Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.67	-95.61
11811711	2.75 TX	Harris	JOHNSON SP Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.56	-95.09
11815711	2.75 TX	Harris	ALLIED NORT Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.95	-95.41
11818711	2.75 TX	Harris	MARINE CON Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.7	-95.27
11825311	2.75 TX	Harris	GATEWAY HI Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.93	-95.33
11841511	2.75 TX	Harris	PAPA Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.98	-95.35
11851811	2.75 TX	Harris	TENNECO LA Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.72	-95.47
11854511	2.75 TX	Harris	POLICE HEAC Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.76	-95.37
11871511	2.75 TX	Harris	SPL Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.65	-95.42
11881211	2.75 TX	Harris	SW POLICE S Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.68	-95.45
11892511	2.75 TX	Harris	MEMORIAL C Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.78	-95.54
11897711	2.75 TX	Harris	NE POLICE S1 Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.81	-95.33
11927011	2.75 TX	Harris	PARKVIEW C Airport			HOUSTON		0	48811 Airport Oper		48201 Unknown	29.86	-95.4

11929811	2.75 TX	Harris	CHARTER BA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.48
11934111	2.75 TX	Harris	CYPRESS FAIR Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.92	-95.58
11944511	2.75 TX	Harris	FIRST CITY FI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
11944611	2.75 TX	Harris	PIN OAK STA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.45
11944711	2.75 TX	Harris	WILSHIRE PL Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.85	-95.5
11944911	2.75 TX	Harris	PALM PETRO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.97	-95.36
11949011	2.75 TX	Harris	GENERAL PLI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.89	-95.39
11973211	2.75 TX	Harris	POLICE HELIC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.64	-95.27
11980011	2.75 TX	Harris	WEST HOUST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.59
12007511	2.75 TX	Harris	TEXAS COMM Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12018611	2.75 TX	Harris	DAILEY INC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.27
12031111	2.75 TX	Harris	KURIO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.8	-95.56
12031311	2.75 TX	Harris	STEEPLECHA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.92	-95.59
12031411	2.75 TX	Harris	LYNDON B JC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.81	-95.31
12064511	2.75 TX	Harris	METHODIST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.39
12063511	2.75 TX	Harris	LANDRY'S SE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.45
12063911	2.75 TX	Harris	DRV DOWNT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12069011	2.75 TX	Harris	LANDRY'S W Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.45
12073211	2.75 TX	Harris	CHRISTUS ST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.36
12080011	2.75 TX	Harris	KRIV FOX 26 Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.44
12090811	2.75 TX	Harris	GRACO MECI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.48
12173611	2.75 TX	Harris	ECKELS Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.83	-95.65
12174711	2.75 TX	Harris	EMERGENCY Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12190111	2.75 TX	Harris	ROWAN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.63	-95.28
12191911	2.75 TX	Fort Bend	LIFE FLIGHT/ Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.56	-95.43
12253411	2.75 TX	Harris	LEWIS ELECT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.27
12253511	2.75 TX	Harris	FIRST BANK F Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.5
12253711	2.75 TX	Harris	GWS INC COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.68	-95.4
12254111	2.75 TX	Harris	WESTCHASE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.54
12254211	2.75 TX	Harris	THE HUNTING Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.41
12254711	2.75 TX	Harris	TRANSCO TO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.46
12257011	2.75 TX	Harris	TOWN & COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.55
12257111	2.75 TX	Harris	GULF TOWEF Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12257211	2.75 TX	Harris	SHELL I C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.69	-95.4
12258211	2.75 TX	Harris	BROWN & RC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.76	-95.32
12044011	1.36 TX	Brazoria	FLYIN B Airport	HOUSTON	0	48811 Airport Oper	48039 Unknown	29.53	-95.42
12432711	1 MO	Texas	TEXAS COUN Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.31	-91.96
3688611	0.8 TX	Harris	HOCKLEY FACILITY	HOUSTON	77027	488999 All Other Sup	48201 17020 PREM	30.02	-95.86
9102911	0.6 TX	Harris	BUSH IAH	HOUSTON	77032	488111 Air Traffic Co	48201 16930 JFK BL	29.98	-95.34
3737111	0.57 TX	Harris	STATION 35 I Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 12501 VETER	29.96	-95.48
11197811	0.43 TX	Harris	SKYHAVEN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.83	-95.14
6422311	0.4 TX	Harris	FOSTER PRODUCTS CORP	HOUSTON	77011	325520 Adhesive Ma	48201 6107 INDUST	29.75	-95.31
11934811	0.16 TX	Brazoria	HOUSTON AI Airport	HOUSTON	0	48811 Airport Oper	48039 Unknown	29.51	-95.27
4924911	0.14 TX	Harris	WEST CLEAR Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48201 OFF GENOA I	29.62	-95.11
11769611	0.1 MO	Texas	FLYING E Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.34	-92.12
12051611	0.1 MO	Texas	PEGASUS RA Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.38	-92.21
12435211	0.1 MO	Texas	TAUS RIVER I Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.42	-91.95
11766111	5.08E-02 AK	Matanuska-S	MORVRO LAI Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.6	-149.78
11625911	4.88E-02 AK	Matanuska-S	REIDS LANDII Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.61	-149.85
11643711	4.28E-02 AK	Matanuska-S	BLACK SPRUC Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.65	-149.83
4926211	4.25E-02 TX	Harris	ANHEUSER B Breweries/Distilleries/Win	HOUSTON	77013	312120 Breweries	48201 775 GELLHOI	29.77	-95.27
4019611	3.31E-02 TX	Harris	NASA LBJ SPACE CENTER	HOUSTON	77095	927110 Space Resear	48201 2101 NASA R	29.55	-95.09
16039211	2.17E-02 TX	Harris	ST. LUKES HC Airport	HOUSTON	0	48811 Airport Oper	48201 UNKNOWN	29.99	-95.56
6166011	1.66E-02 MN	Houston	Houston WW Wastewater Treatment Fa	Houston	55943	22132 Sewage Trea	27055 300 N Sherid	43.76	-91.56
4058511	1.38E-02 TX	Harris	GREENS BAYI Chemical Plant	HOUSTON	77001	325180	48201 2239 HADEN	29.76	-95.17
5823211	1.22E-02 ME	Cumberland	SOUTH PORT Petroleum Storage Facility	HOUSTON	04106-3522	424710 Petroleum B	23005 170 LINCOLN	43.63	-70.28
12010711	1.06E-02 TX	Fort Bend	HAPPY LAND Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.5	-95.9
18980511	1.17E-03 MS	Chickasaw	SHENANDOA Airport	HOUSTON	0	48811 Airport Oper	28017 Unknown	33.8	-89.02
11060111	1.17E-03 AK	Matanuska-S	SATTERBERG Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.65	-149.9
11094911	1.17E-03 MS	Chickasaw	KIMMEL LAN Airport	HOUSTON	0	48811 Airport Oper	28017 Unknown	33.83	-88.92
11623211	1.17E-03 AK	Matanuska-S	GUS LANDIN Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.6	-149.77
12431411	1.17E-03 MO	Texas	PINEY BEND Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.43	-91.94
16033411	1.17E-03 TX	Val Verde	4M RANCH A Airport	HOUSTON	0	48811 Airport Oper	48465 UNKNOWN	30.02	-101.57
6695511	2.40E-04 TX	Harris	NHR FACILITY	HOUSTON	77086	333132 Oil and Gas F	48201 12221 HOU	29.9	-95.49

SIGN IN

2011 facility total acrolein



Environmental Protection Agency, 2011 National Emissions Inventory v1 - Edited on S

File Edit Tools Help **Table** Cards 1 **Map** +

Filter City IN ('HOUSTON', 'Houston') Not saving **145 rows**



20 km Map Report a map error

EIS_Identifier\Acrolein (lbs) State	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Adre	Latitude	Longitude
103-011	Winston	Grayson Lum Lumber/Sawmill			Houston	35572	321113	Sawmills		1133 505 County F	34.27	-87.31
10980511	Chickasaw	SHENANDOA Airport			HOUSTON	0	48811	Airport Oper		28017 Unknown	33.8	-89.02
10989211	Harris	METRO HELI- Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.61	-95.35
10996211	Harris	CONOCO Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.61
10999611	Harris	CHANNEL TV Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.69	-95.52
11000111	Matanuska-S	SATTERBERG Airport			HOUSTON	0	48811	Airport Oper		2170 Unknown	61.65	-149.9
11053511	Harris	KTRK TV STA' Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.42
11084911	Chickasaw	KIMMEL LAN Airport			HOUSTON	0	48811	Airport Oper		28017 Unknown	33.83	-88.92
11107611	Harris	JOHN S DUNI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.39
11109311	Harris	HEARTHSTO Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.87	-95.63
11122611	Harris	NW POLICE S Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.53
11197811	Harris	SKYHAVEN Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.83	-95.14
11266811	Harris	GELLHORN P Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.26
11543611	Harris	HOUSTON Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.66
11543811	Harris	HARRIS COUI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.47
11550111	Harris	BEAR CREEK Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.79	-95.63
11562211	Harris	VETERANS AI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.38
11573111	Harris	STAR HOUST Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.44
11577311	Harris	DELTA MECH Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.4
11579411	Harris	THE AMERIC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.39
11597711	Harris	HOUSTON PC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.32
11595711	Harris	ST LUKES EPI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.38
11608311	Harris	GOODSON H Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	30	-95.42
11612311	Harris	KHOU-TV Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.38
14623211	Matanuska-S	GUS LANDIN' Airport			HOUSTON	0	48811	Airport Oper		2170 Unknown	61.6	-149.77
14625911	Matanuska-S	REIDS LANDII Airport			HOUSTON	0	48811	Airport Oper		2170 Unknown	61.61	-149.85
11627511	Harris	ALDINE Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.35
11643711	Matanuska-S	BLACK SPRUI Airport			HOUSTON	0	48811	Airport Oper		2170 Unknown	61.65	-149.83
11675911	Harris	TEX-STAR Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.41
11676011	Harris	WOODCREEK Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.6
11676311	Harris	HARRIS COUI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.83	-95.65
11709611	Texas	FLYING E Airport			HOUSTON	0	48811	Airport Oper		29215 Unknown	37.34	-92.12
11718911	Harris	HICKORY HO Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.52
11746411	Harris	B & S WAREF Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.52
11749011	Galveston	KEMAH WAT Airport			HOUSTON	0	48811	Airport Oper		48167 Unknown	29.54	-95.01
11765711	Harris	LIFT CRANE Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.63	-95.45
11765811	Harris	PEARCE INDL Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.46
11766111	Matanuska-S	MORVRO LAI Airport			HOUSTON	0	48811	Airport Oper		2170 Unknown	61.6	-149.78
11768011	Harris	PORTA-KAMI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.79	-95.44
11778411	Harris	USCG PORT S Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.25
11784411	Harris	POST OAK CE Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.46
11801211	Harris	BALL PARK Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.67	-95.61
11811711	Harris	JOHNSON SP Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.56	-95.09
11815711	Harris	ALLIED NORT Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.95	-95.41
11818711	Harris	MARINE CON Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.27
11826311	Harris	GATEWAY HI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.93	-95.33
11841511	Harris	PAPA Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.98	-95.35
11851811	Harris	TENNECO LA Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.47
11854511	Harris	POLICE HEAC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.37
11871511	Harris	SPL Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.42
11881211	Harris	SW POLICE S Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.68	-95.45
11892511	Harris	MEMORIAL C Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.54
11897711	Harris	NE POLICE S1 Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.33
11927011	Harris	PARKVIEW C Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.86	-95.4
11929811	Harris	CHARTER BA Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.74	-95.48
11934111	Harris	CYPRESS FAII Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.58
11934811	Brazoria	HOUSTON AI Airport			HOUSTON	0	48811	Airport Oper		48039 Unknown	29.51	-95.27
11944511	Harris	FIRST CITY FI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
11944611	Harris	PIN OAK STA Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.45
11944711	Harris	WILSHIRE PL Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.5
11944911	Harris	PALM PETRO Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.97	-95.36
11949011	Harris	GENERAL PLI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.89	-95.39
11973211	Harris	POLICE HELIC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.64	-95.27
11980011	Harris	WEST HOUST Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.59
12007511	Harris	TEXAS COMM Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
12010711	Fort Bend	HAPPY LAND Airport			HOUSTON	0	48811	Airport Oper		48157 Unknown	29.5	-95.9
12018611	Harris	DAILEY INC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.27
12031111	Harris	KURIO Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.8	-95.56
12031311	Harris	STEEPLECHA: Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.59
12031411	Harris	LYNDON B JC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.31
12044011	Brazoria	FLYIN B Airport			HOUSTON	0	48811	Airport Oper		48039 Unknown	29.53	-95.42
12051611	Texas	PEGASUS RA Airport			HOUSTON	0	48811	Airport Oper		29215 Unknown	37.38	-92.21
12064511	Harris	METHODIST Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.39
12068511	Harris	LANDRYS SE/ Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.45
12068911	Harris	DRV DOWNT Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
12069011	Harris	LANDRYS W/ Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.45
12079211	Harris	CHRISTUS ST Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.74	-95.36
12080011	Harris	KRIV FOX 26 Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.44
12090811	Harris	GRACO MECI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.48
12153211	Harris	DAN JONES I Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	30.04	-95.66
12173611	Harris	ECKELS Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.83	-95.65
12174711	Harris	EMERGENCY Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
12185411	Fort Bend	WESTHEIMEI Airport			HOUSTON	0	48811	Airport Oper		48157 Unknown	29.69	-95.79

12190111	1.55 TX	Harris	ROWAN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.63	-95.28
12191911	1.55 TX	Fort Bend	LIFE FLIGHT/ Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.56	-95.43
12225911	21.54 TX	Waller	HOUSTON E Airport	HOUSTON	0	48811 Airport Oper	48473 Unknown	29.8	-95.89
12253411	1.55 TX	Harris	LEWIS ELECT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.27
12253511	1.55 TX	Harris	FIRST BANK F Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.5
12253711	1.55 TX	Harris	GWS INC COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.68	-95.4
12254111	1.55 TX	Harris	WESTCHASE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.54
12254211	1.55 TX	Harris	THE HUNTIN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.41
12254711	1.55 TX	Harris	TRANSCO TO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.46
12257011	1.55 TX	Harris	TOWN & COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.55
12257111	1.55 TX	Harris	GULF TOWEF Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12257211	1.55 TX	Harris	SHELL I C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.69	-95.4
12258211	1.55 TX	Harris	BROWN & Rt Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.76	-95.32
12356211	90.94 TX	Harris	WEISER AIR I Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.93	-95.63
12434411	1.14E-04 MO	Texas	PINEY BEND Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.43	-91.94
12432711	0.57 MO	Texas	TEXAS COUN Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.31	-91.96
12435211	9.80E-03 MO	Texas	TAUS RIVER I Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.42	-91.95
14766711	1.35 TX	Harris	THE METHOD Institutional (school, hospi	HOUSTON	77030	622110 General Med	48201 INTX OF MAI	29.71	-95.39
15042511	6.2 TX	Harris	MCCORD 1 FACILITY	HOUSTON	77044	211111 Crude Petrol	48201 3.5 M NW OF	29.9	-95.16
15043011	11.82 TX	Harris	TAYLOR HEIRS TANK BATTERY	HOUSTON	77045	211111 Crude Petrol	48201 NEAR ALMEC	29.64	-95.4
16033411	1.14E-04 TX	Val Verde	4M RANCH A Airport	HOUSTON	0	48811 Airport Oper	48465 UNKNOWN	30.02	-101.57
16039211	2.10E-03 TX	Harris	ST. LUKES HC Airport	HOUSTON	0	48811 Airport Oper	48201 UNKNOWN	29.99	-95.56
3689111	3.25 TX	Harris	RICE UNIVER Steam/Heating Facility	HOUSTON	77005	447110 Gasoline Stat	48201 6100 S MAIN	29.71	-95.4
3736811	4.55 TX	Harris	WESTHOLLO Chemical Plant	HOUSTON	77082	325110 Petrochemic	48201 3333 HWY 6	29.72	-95.63
3737111	0.35 TX	Harris	STATION 35 I Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 12501 VETER	29.96	-95.48
3967811	160 TX	Fort Bend	THOMPSON Oil or Gas Processing	HOUSTON	77210	211111 Crude Petrol	48157 ON AN OIL FI	29.43	-95.56
4019611	1.04E-02 TX	Harris	NASA LBJ SPACE CENTER	HOUSTON	77095	927110 Space Resear	48201 2101 NASA R	29.55	-95.09
4055311	4 TX	Harris	QUALITY ELE Foundries, Iron and Steel	HOUSTON	77001	331513 Steel Foundr	48201 252 MCCART	29.78	-95.28
4057511	152 TX	Harris	CHANNELVIE Electricity Generation via (	HOUSTON	77049	221122 Electric Powe	48201 8580 SHELDC	29.83	-95.12
4058511	4.32E-03 TX	Harris	GREENS BAY Chemical Plant	HOUSTON	77001	325180	48201 2239 HADEN	29.76	-95.17
4168811	103.28 TX	Harris	MCCARTY RD LANDFILL GAS RECOVERY	HOUSTON	77078	221210 Natural Gas I	48201 9416 LEY RD	29.83	-95.24
4182511	32 TX	Harris	HOUSTON R Petroleum Refinery	HOUSTON	77012	324110 Petroleum R	48201 9701 MANCH	29.72	-95.25
4204511	1014.4 TX	Panola	CARTHAGE C Oil or Gas Processing	HOUSTON	77210	211111 Crude Petrol	48365 1 MI S OF CA	32.11	-94.33
4206311	7.8 TX	Refugio	COMPRESSO Compressor station	HOUSTON	77253	486210 Pipeline Tran	48391 8 M N OF REI	28.34	-97.14
4777911	12.4 TX	Harris	GREENS BAY Electricity Generation via (	HOUSTON	77049	221122 Electric Powe	48201 12070 OLD B	29.82	-95.22
4924911	0.13 TX	Harris	WEST CLEAR Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48201 OFF GENOA I	29.62	-95.11
4925211	0.4 TX	Harris	69TH ST WW Wastewater Treatment Fa	HOUSTON	77026	221320 Sewage Trea	48201 2525 SSGT M	29.75	-95.31
4925611	44.13 TX	Harris	CYPRESS COI Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 15528 HUFFF	29.98	-95.65
4926211	2.61E-02 TX	Harris	ANHEUSER B Breweries/Distilleries/Win	HOUSTON	77013	312120 Breweries	48201 775 GELLHOI	29.77	-95.27
4926511	83.4 TX	Harris	TH WHARTO Electricity Generation via (	HOUSTON	77052	221122 Electric Powe	48201 16301 TOMB	29.94	-95.53
4931111	140 TX	Liberty	RAYWOOD EAST FACILITY	HOUSTON	77060	211111 Crude Petrol	48291 1.3 MILES & 1	30.02	-94.69
4931211	40 TX	Liberty	KIRBY LUMBER TANK BATTERY	HOUSTON	77236	211111 Crude Petrol	48291 3 MI SE OF C	30.25	-95.11
4942411	107.85 TX	Harris	TEXAS MEDI Steam/Heating Facility	HOUSTON	77030	221330 Steam and A	48201 1615 BRAESV	29.7	-95.39
5616911	40 TX	Brazoria	MCFARLAND Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48039 FROM THE IN	29.15	-95.78
5823211	1.06E-02 ME	Cumberland	SOUTH PORT Petroleum Storage Facility	HOUSTON	04106-3522	424710 Petroleum Bi	23005 170 LINCOLN	43.63	-70.28
6166011	2.06E-02 MN	Houston	Houston WA Wastewater Treatment Fa	Houston	55943	22132 Sewage Trea	27055 300 N Sherid	43.76	-91.56
6422211	240 TX	Harris	NORTH MILT Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48201 1.6 MI SOUTI	29.97	-95.46
6510011	8.6 TX	Harris	CHANNEL EN Electricity Generation via (	HOUSTON	77017	221122 Electric Powe	48201 451 LIGHT CC	29.71	-95.23
6600111	166.52 TX	Chambers	ENTERPRISE Chemical Plant	HOUSTON	77210	325110 Petrochemic	48071 10207 FM 19	29.85	-94.91
6672211	108.04 TX	Harris	ALMEDA LPG TERMINAL	HOUSTON	77053	486990 All Other Pip	48201 11650 ALMEI	29.64	-95.4
6695511	7.51E-05 TX	Harris	NHR FACILITY	HOUSTON	77086	333132 Oil and Gas F	48201 12221 N HOU	29.9	-95.49
9102911	0.6 TX	Harris	BUSH IAH	HOUSTON	77032	488111 Air Traffic Co	48201 16930 JFK BL	29.98	-95.34
9128811	259.81 TX	Harris	West Housto Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.81	-95.67
9128911	5836.25 TX	Harris	George Bush Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.98	-95.34
9129011	4914.44 TX	Harris	William P Ho Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.65	-95.27
9131311	7750.36 TX	Harris	Ellington Fiel Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.59	-95.16
9131411	541.13 TX	Harris	David Wayne Airport	Houston	0	48811 Airport Oper	48201 Unknown	30.07	-95.55
9138311	236.67 TX	Fort Bend	Sugar Land R Airport	Houston	0	48811 Airport Oper	48157 Unknown	29.62	-95.65
9138411	129.98 TX	Fort Bend	Houston-Sou Airport	Houston	0	48811 Airport Oper	48157 Unknown	29.5	-95.47
9181511	291.72 TX	Brazoria	Clover Field Airport	Houston	0	48811 Airport Oper	48039 Unknown	29.52	-95.24
9409511	10.12 MO	Texas	Houston Mei Airport	Houston	0	48811 Airport Oper	29215 Unknown	37.33	-91.97
9502311	51.89 MS	Chickasaw	Houston Mui Airport	Houston	38851	48811 Airport Oper	28017 Highway 15	33.89	-89.02

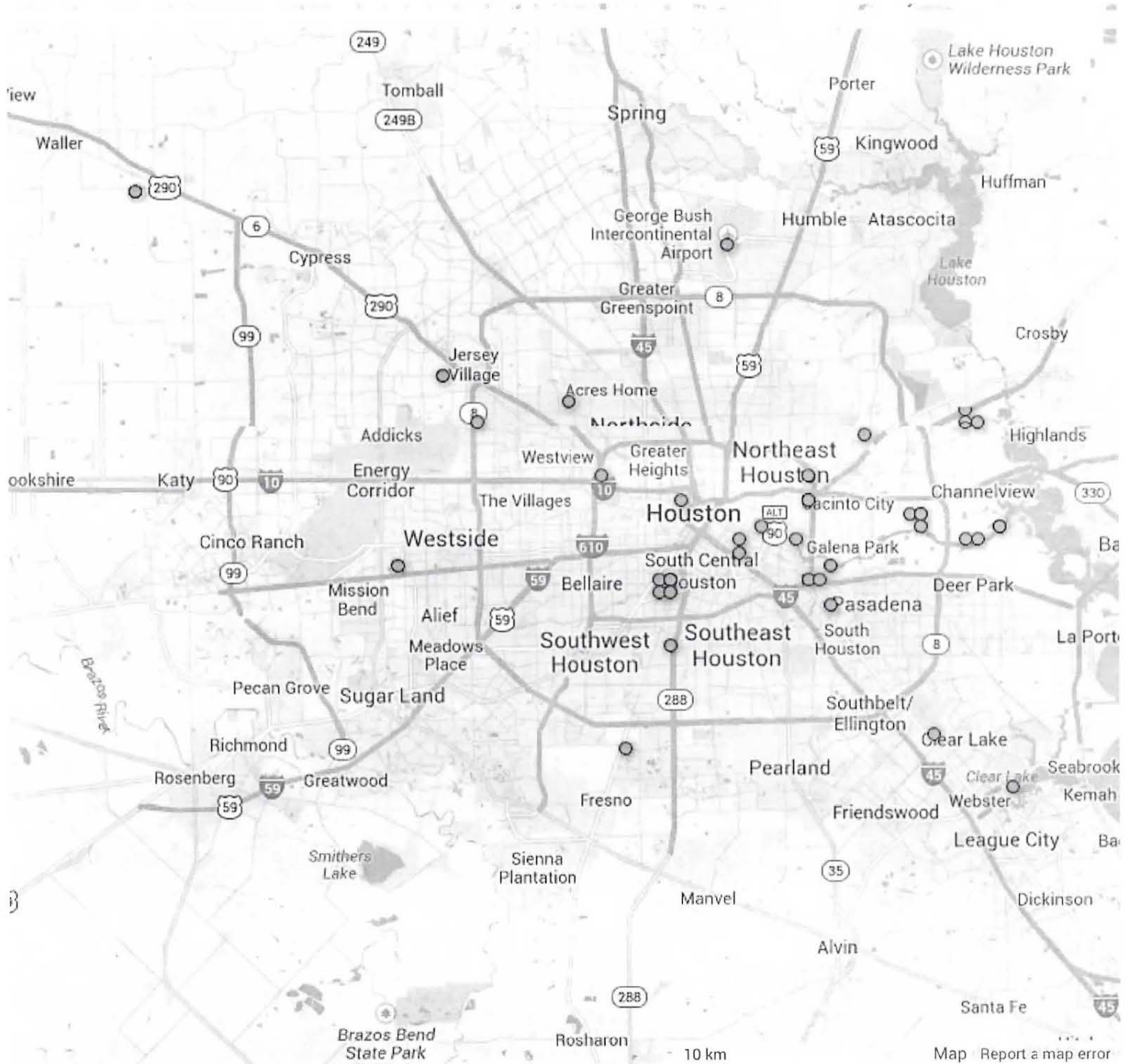
2011 facility total arsenic

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EIS_Identifier	Arsenic (lbs)	State	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Adre	Latitude	Longitude
4778711	271.4	TX	Harris	HOUSTON PL	Chemical Plant		HOUSTON	77012	325180			48201 8615 MANC	29.71	-95.27
4182511	16	TX	Harris	HOUSTON RE	Petroleum Refinery		HOUSTON	77012	324110	Petroleum R		48201 9701 MANC	29.72	-95.25
4168611	3.29	TX	Harris	HOUSTON PL	Chemical Plant		HOUSTON	77017	325110	Petrochemi		48201 8600 PARK P	29.69	-95.25
6642011	1.67	TX	Harris	HOUSTON PL	Food Products Processing		HOUSTON	77003	311920	Coffee and T		48201 3900 HARRIS	29.74	-95.33
4777911	0.58	TX	Harris	GREENS BAY	Electricity Generation via (		HOUSTON	77049	221122	Electric Powe		48201 12070 OLD B	29.82	-95.22
4057511	0.49	TX	Harris	CHANNELVIE	Electricity Generation via (		HOUSTON	77049	221122	Electric Powe		48201 8580 SHELD	29.83	-95.12
4926211	0.42	TX	Harris	ANHEUSER B	Breweries/Distilleries/Win		HOUSTON	77013	312120	Breweries		48201 775 GELLHO	29.77	-95.27
4780011	0.38	PA	Washington	ALLEGHENY I	Steel Mill		HOUSTON	15342	331110			42125 ROUTE 519	40.25	-80.2
4942411	0.32	TX	Harris	TEXAS MEDIK	Steam/Heating Facility		HOUSTON	77030	221330	Steam and A		48201 1615 BRAESV	29.7	-95.39
6600111	0.27	TX	Chambers	ENTERPRISE	Chemical Plant		HOUSTON	77210	325110	Petrochemi		48071 10207 FM 19	29.85	-94.91
4777811	0.17	TX	Harris	V & M STAR	SHELDON RD		HOUSTON	77530	332996	Fabricated Pl		48201 8603 SHELD	29.83	-95.13
14766711	0.12	TX	Harris	THE METHOI	Institutional (school, hospi		HOUSTON	77030	622110	General Med		48201 INTX OF MAI	29.71	-95.39
4925411	0.11	TX	Harris	HOUSTON FUEL OIL	TERMINAL		HOUSTON	77530	493110	General War		48201 16642 JACIN'	29.75	-95.1
4924711	0.1	TX	Harris	MERISOL GRI	Chemical Plant		HOUSTON	77015	325110	Petrochemi		48201 1914 HADEN	29.76	-95.17
9102911	9.92E-02	TX	Harris	BUSH IAH			HOUSTON	77032	488111	Air Traffic Co		48201 16930 JFK BL	29.98	-95.34
4019611	9.53E-02	TX	Harris	NASA LBJ	SPACE CENTER		HOUSTON	77095	927110	Space Resear		48201 2101 NASA R	29.55	-95.09
13409911	8.32E-02	TX	Harris	TUBULAR PROCESSING SERVICES	DIVIS		HOUSTON	77049	331221	Rolled Steel !		48201 9393 SHELD	29.84	-95.13
4853011	8.25E-02	TX	Fort Bend	HOUSTON PLANT			HOUSTON	77001	325613	Surface Activ		48157 15200 ALME	29.58	-95.43
3736811	7.13E-02	TX	Harris	WESTHOLLO	Chemical Plant		HOUSTON	77082	325110	Petrochemi		48201 3333 HWY 6	29.72	-95.63
15042211	5.36E-02	TX	Harris	FORGED PRODUCTS			HOUSTON	77001	332111	Iron and Stee		48201 6505 N HOU	29.86	-95.48
6671811	4.80E-02	TX	Harris	BAYLOR COLI	Institutional (school, hospi		HOUSTON	77030	611310	Colleges, Uni		48201 1200 MOURS	29.71	-95.39
3689311	3.09E-02	TX	Harris	JACOB STERN	Food Products Processing		HOUSTON	77261	311613	Rendering ar		48201 1906 75TH S'	29.74	-95.28
6436411	2.96E-02	TX	Harris	OWENS CORNING			HOUSTON	77001	324122	Asphalt Shing		48201 8360 MARKE	29.77	-95.27
4058511	2.56E-02	TX	Harris	GREENS BAY	Chemical Plant		HOUSTON	77001	325180			48201 2239 HADEN	29.76	-95.17
6642711	2.14E-02	TX	Harris	ARKEMA INC	Chemical Plant		HOUSTON	77001	325110	Petrochemi		48201 2231 HADEN	29.75	-95.17
14747811	2.13E-02	TX	Harris	HOLMES PLANT			HOUSTON	77051	325211	Plastics Mate		48201 2434 HOLME	29.66	-95.39
3689111	1.74E-02	TX	Harris	RICE UNIVER	Steam/Heating Facility		HOUSTON	77005	447110	Gasoline Stat		48201 6100 S MAIN	29.71	-95.4
4057311	1.72E-02	TX	Harris	TEXAS MEDIK	Steam/Heating Facility		HOUSTON	77030	221330	Steam and A		48201 6935 S MAIN	29.7	-95.4
4778111	1.70E-02	TX	Harris	OIL TANKING	HOUSTON TERMINAL		HOUSTON	77001	493110	General War		48201 15602 JACIN'	29.74	-95.12
13381011	1.52E-02	TX	Harris	OIL TANKING			HOUSTON	77015	486210	Pipeline Tran		48201 15602 JACIN'	29.74	-95.13
4862911	1.28E-02	TX	Harris	HOUSTON PLANT			HOUSTON	77001	325998	All Other Mis		48201 101 CONCRE'	29.71	-95.26
4056111	1.27E-02	TX	Harris	REICHHOLD I	Plastic, Resin, or Rubber P		HOUSTON	77001	325211	Plastics Mate		48201 1503 HADEN	29.76	-95.18
7907311	9.92E-03	TX	Harris	BRITTMOORE	FACILITY		HOUSTON	77041	333912	Air and Gas C		48201 4444 BRITTM	29.83	-95.56
9100811	7.12E-03	TX	Harris	TEXAS TILE	MANUFACTURING		HOUSTON	77007	326199	All Other Pla		48201 1705 N OLIVJ	29.77	-95.38
3688611	6.47E-03	TX	Harris	HOCKLEY	FACILITY		HOUSTON	77027	488999	All Other Sup		48201 17020 PREM	30.02	-95.86
4925211	6.40E-03	TX	Harris	69TH ST WW	Wastewater Treatment Fa		HOUSTON	77026	221320	Sewage Trea		48201 2525 SSGT M	29.75	-95.31
4941811	4.32E-03	TX	Harris	SOUTHLINE I	Fabricated Metal Products		HOUSTON	77001	332439	Other Metal		48201 3777 W 12TH	29.79	-95.45
4167911	1.20E-03	TX	Harris	NASA ELLINGTON	FIELD		HOUSTON	77095	488111	Air Traffic Co		48201 2101 NASA P	29.59	-95.16
6642811	9.60E-04	TX	Harris	LEELAND BAI	Bakeries		HOUSTON	77023	311812	Commercial I		48201 4104 LEELAN	29.73	-95.33
4019511	5.60E-04	TX	Harris	PRECOAT	METALS		HOUSTON	77015	339910			48201 16402 JACIN'	29.75	-95.1
14743711	2.08E-04	TX	Harris	GE II	HOUSTON SERVICE CENTER		HOUSTON	77029	444120	Paint and W		48201 8800 WALLIS	29.79	-95.27
5823211	1.11E-04	ME	Cumberland	SOUTH PORT	Petroleum Storage Facility		HOUSTON	04106-3522	424710	Petroleum B		23005 170 LINCOLN	43.63	-70.28
6614811	4.80E-05	TX	Harris	NCI BUILDING	SYSTEMS L P		HOUSTON	77001	332311	Prefabricate		48201 7301 FAIRVIE	29.88	-95.59

2011 facility total mercury (Hg)

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EIS_Identifier	Mercury (lbs State	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Adre	Latitude	Longitude
4925211	70 TX	Harris	69TH ST WW Wastewater Treatment Fa			HOUSTON	77026	221320	Sewage Trea		48201 2525 SSGT M	29.75	-95.31
4981411	9.6 TX	Harris	LONGHORN (Glass Plant			HOUSTON	77029	327213	Glass Contair		48201 4202 FIDELIT	29.76	-95.25
4778711	7 TX	Harris	HOUSTON PI Chemical Plant			HOUSTON	77012	325180			48201 8615 MANCH	29.71	-95.27
4182511	6 TX	Harris	HOUSTON RI Petroleum Refinery			HOUSTON	77012	324110	Petroleum Ri		48201 9701 MANCH	29.72	-95.25
6510011	0.6 TX	Harris	CHANNEL EN Electricity Generation via (			HOUSTON	77017	221122	Electric Powe		48201 451 LIGHT CC	29.71	-95.23
4055311	0.44 TX	Harris	QUALITY ELE Foundries, Iron and Steel			HOUSTON	77001	331513	Steel Foundr		48201 252 MCCART	29.78	-95.28
6600111	1.88E-02 TX	Chambers	ENTERPRISE Chemical Plant			HOUSTON	77210	325110	Petrochemic		48071 10207 FM 19	29.85	-94.91
4853011	4.45E-03 TX	Fort Bend	HOUSTON PLANT			HOUSTON	77001	325613	Surface Activ		48157 15200 ALMEI	29.58	-95.43
4167311	2.16E-03 TX	Harris	CONTINENTAL HOBBY MAINTENANCE B			HOUSTON	77087	488111	Air Traffic Co		48201 8451 TRAVEL	29.64	-95.28
9103311	1.21E-03 TX	Harris	PAINT BOOTH			HOUSTON	77052	335313	Switchgear a		48201 TELGE RD & I	29.93	-95.64
4168611	5.30E-04 TX	Harris	HOUSTON PI Chemical Plant			HOUSTON	77017	325110	Petrochemic		48201 8600 PARK P	29.69	-95.25
4019311	2.47E-04 TX	Harris	CHANNELVIEW FACILITY			HOUSTON	77030	332312	Fabricated St		48201 16504 DE ZA	29.76	-95.1
6641611	1.56E-04 TX	Harris	SMITH INTERNATIONAL INC			HOUSTON	77205	333132	Oil and Gas F		48201 16740 HARD'	29.96	-95.38
6435711	1.48E-04 TX	Harris	BROCHSTEINS			HOUSTON	77025	337211	Wood Office		48201 11530 MAIN	29.66	-95.44
5823211	1.44E-04 ME	Cumberland	SOUTH PORT Petroleum Storage Facility			HOUSTON	04106-3522	424710	Petroleum Bi		23005 170 LINCOLN	43.63	-70.28
4019611	9.72E-05 TX	Harris	NASA LBJ SPACE CENTER			HOUSTON	77095	927110	Space Resear		48201 2101 NASA R	29.55	-95.09
4941211	9.27E-05 TX	Harris	HOUSTON CHEMICAL PLANT			HOUSTON	77017	325212	Synthetic Rul		48201 2000 GOODY	29.7	-95.25
14747811	8.56E-05 TX	Harris	HOLMES PLANT			HOUSTON	77051	325211	Plastics Mate		48201 2434 HOLME	29.66	-95.39
4167911	1.71E-05 TX	Harris	NASA ELLINGTON FIELD			HOUSTON	77095	488111	Air Traffic Co		48201 2101 NASA P	29.59	-95.16
4924711	1.37E-05 TX	Harris	MERISOL GRI Chemical Plant			HOUSTON	77015	325110	Petrochemic		48201 1914 HADEN	29.76	-95.17
13403311	1.14E-05 TX	Harris	CONTINENTAL AIRLINES IAH AIRPORT			HOUSTON	77032	488111	Air Traffic Co		48201 GEORGE BUS	29.98	-95.33
4055111	1.10E-05 TX	Harris	REICHOLD I Plastic, Resin, or Rubber P			HOUSTON	77001	325211	Plastics Mate		48201 1503 HADEN	29.76	-95.18
4762811	9.31E-06 TX	Harris	HOUSTON RI Petroleum Refinery			HOUSTON	77017	324110	Petroleum Ri		48201 2 MI E OF TH	29.71	-95.23
4055411	1.90E-06 TX	Harris	CEDAR BAYO Chemical Plant			HOUSTON	77029	325110	Petrochemic		48201 9500 IH 10 E	29.82	-94.92
6533911	1.33E-06 TX	Harris	CYPRESS PLANT			HOUSTON	77095	332111	Iron and Stee		48201 10825 TELGE	29.92	-95.65
4777911	9.50E-07 TX	Harris	GREENS BAY Electricity Generation via (HOUSTON	77049	221122	Electric Powe		48201 12070 OLD B	29.82	-95.22

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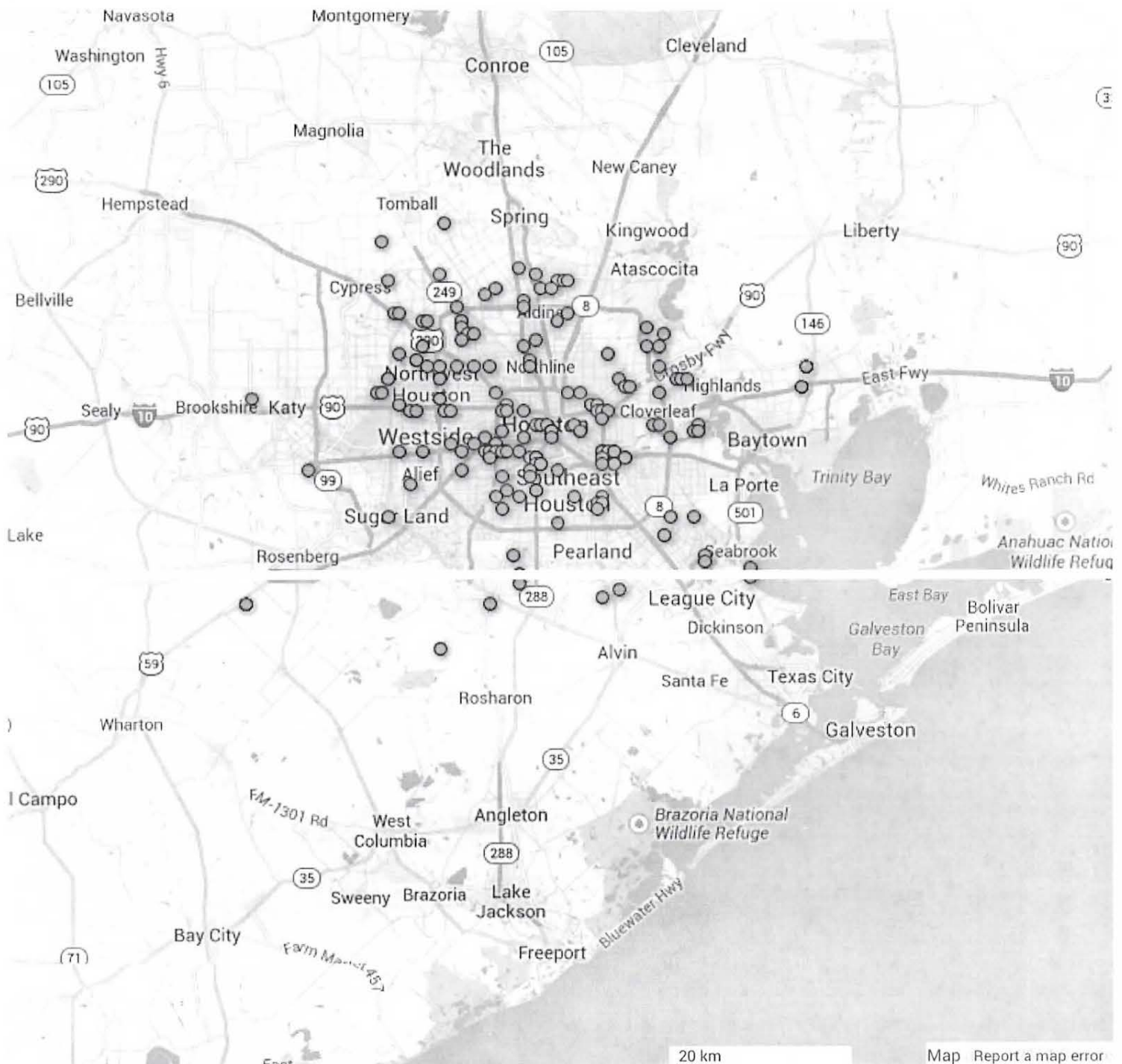
2011 facility total ethyl benzene



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EIS_Identifier	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Adre	Latitude	Longitude
10580511	Chickasaw	SHENANDOA	Airport		HOUSTON	0	48811	Airport Oper		28017 Unknown	33.8	-89.02
10589211	Harris	METRO HELI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.61	-95.35
10996211	Harris	CONOCO	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.61
10999611	Harris	CHANNEL TV	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.69	-95.52
11009111	Matanuska-S	SATTERBERG	Airport		HOUSTON	0	48811	Airport Oper		2170 Unknown	61.65	-149.9
11053511	Harris	KTRK TV STA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.42
11094911	Chickasaw	KIMMEL LAN	Airport		HOUSTON	0	48811	Airport Oper		28017 Unknown	33.83	-88.92
11107611	Harris	JOHN S DUNI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.39
11109311	Harris	HEARTHSTO	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.87	-95.63
11122611	Harris	NW POLICE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.53
11197811	Harris	SKYHAVEN	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.83	-95.14
11256811	Harris	GELLHORN P	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.25
11543611	Harris	HOUSTON	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.65
11543811	Harris	HARRIS COU	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.47
11550111	Harris	BEAR CREEK	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.79	-95.63
11562211	Harris	VETERANS A	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.38
11573111	Harris	STAR HOUST	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.44
11577311	Harris	DELTA MECH	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.4
11579411	Harris	THE AMERIC	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.39
11591711	Harris	HOUSTON PC	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.32
11595711	Harris	ST LUKES E	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.38
11608311	Harris	GOODSON H	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	30	-95.42
11612311	Harris	KHOU-TV	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.38
11629211	Matanuska-S	GUS LANDIN	Airport		HOUSTON	0	48811	Airport Oper		2170 Unknown	61.6	-149.77
11625911	Matanuska-S	REIDS LAND	Airport		HOUSTON	0	48811	Airport Oper		2170 Unknown	61.61	-149.85
11627511	Harris	ALDINE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.35
11643711	Matanuska-S	BLACK SPRU	Airport		HOUSTON	0	48811	Airport Oper		2170 Unknown	61.65	-149.83
11675911	Harris	TEX-STAR	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.41
11676011	Harris	WOODCREEK	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.6
11676311	Harris	HARRIS COU	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.83	-95.65
11709611	Texas	FLYING E	Airport		HOUSTON	0	48811	Airport Oper		29215 Unknown	37.34	-92.12
11718911	Harris	HICKORY HO	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.52
11746411	Harris	B & S WARE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.52
11749011	Galveston	KEMAH WAT	Airport		HOUSTON	0	48811	Airport Oper		48167 Unknown	29.54	-95.01
11765711	Harris	LIFT CRANE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.63	-95.45
11765811	Harris	PEARCE INDL	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.46
11766111	Matanuska-S	MORVRO LA	Airport		HOUSTON	0	48811	Airport Oper		2170 Unknown	61.6	-149.76
11768011	Harris	PORTA-KAMI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.79	-95.44
11778411	Harris	USCG PORT	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.25
11784411	Harris	POST OAK CE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.46
11801211	Harris	BALL PARK	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.67	-95.61
11811711	Harris	JOHNSON SP	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.56	-95.05
11815711	Harris	ALLIED NORT	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.95	-95.41
11818711	Harris	MARINE CON	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.27
11826311	Harris	GATEWAY HI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.93	-95.33
11841511	Harris	PAPA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.98	-95.35
11851811	Harris	TENNECO LA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.47
11854511	Harris	POLICE HEAT	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.37
11871511	Harris	SPL	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.42
11881211	Harris	SW POLICE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.68	-95.45
11892511	Harris	MEMORIAL C	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.54
11897711	Harris	NE POLICE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.33
11927011	Harris	PARKVIEW C	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.86	-95.4
11929811	Harris	CHARTER BA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.74	-95.48
11934111	Harris	CYPRESS FAI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.58
11934811	Brazoria	HOUSTON AI	Airport		HOUSTON	0	48811	Airport Oper		48039 Unknown	29.51	-95.27
11944511	Harris	FIRST CITY	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
11944611	Harris	PIN OAK STA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.45
11944711	Harris	WILSHIRE PL	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.5
11944911	Harris	PALM PETRO	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.97	-95.36
11949011	Harris	GENERAL PLI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.89	-95.39
11973211	Harris	POLICE HELI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.64	-95.27
11980011	Harris	WEST HOUST	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.59
12007511	Harris	TEXAS COMA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
12010711	Fort Bend	HAPPY LAND	Airport		HOUSTON	0	48811	Airport Oper		48157 Unknown	29.5	-95.9
12018611	Harris	DAILEY INC	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.27
12031111	Harris	KURIO	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.8	-95.56
12031311	Harris	STEEPLECHA	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.92	-95.59
12031411	Harris	LYNDON B JC	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.31
12044011	Brazoria	FLYIN B	Airport		HOUSTON	0	48811	Airport Oper		48039 Unknown	29.53	-95.42
12051611	Texas	PEGASUS RA	Airport		HOUSTON	0	48811	Airport Oper		29215 Unknown	37.38	-92.21
12064511	Harris	METHODIST	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.39
12068511	Harris	LANDRYS SE	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.45
12068911	Harris	DRV DOWNT	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
12069011	Harris	LANDRYS W	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.45
12079211	Harris	CHRISTUS ST	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.74	-95.36
12080011	Harris	KRIV FOX 26	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.44
12090811	Harris	GRACO MECI	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.48
12153211	Harris	DAN JONES I	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	30.04	-95.66
12173611	Harris	ECKELS	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.83	-95.65
12174711	Harris	EMERGENCY	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.75	-95.36
12185411	Fort Bend	WESTHEIMEI	Airport		HOUSTON	0	48811	Airport Oper		48157 Unknown	29.69	-95.79
12190111	Harris	ROWAN	Airport		HOUSTON	0	48811	Airport Oper		48201 Unknown	29.63	-95.28

12191911	0.25 TX	Fort Bend	LIFE FLIGHT/ Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.56	-95.43
12225911	10.63 TX	Waller	HOUSTON E) Airport	HOUSTON	0	48811 Airport Oper	48473 Unknown	29.8	-95.89
12253411	0.25 TX	Harris	LEWIS ELECT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.27
12253511	0.25 TX	Harris	FIRST BANK F Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.5
12253711	0.25 TX	Harris	GWS INC COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.68	-95.4
12254111	0.25 TX	Harris	WESTCHASE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.54
12254211	0.25 TX	Harris	THE HUNTIN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.41
12254711	0.25 TX	Harris	TRANSCO TO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.46
12257011	0.25 TX	Harris	TOWN & COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.55
12257111	0.25 TX	Harris	GULF TOWEF Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12257211	0.25 TX	Harris	SHELL I C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.69	-95.4
12258211	0.25 TX	Harris	BROWN & RC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.76	-95.52
12356211	44.88 TX	Harris	WEISER AIR F Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.93	-95.63
12431411	2.79E-03 MO	Texas	PINEY BEND Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.43	-91.54
12432711	9.14E-02 MO	Texas	TEXAS COUN Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.31	-91.96
12435211	0.24 MO	Texas	TAUS RIVER F Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.42	-91.95
13381111	2432 TX	Harris	KING FABRICATION	HOUSTON	77073	33232 Fabricated St	48201 19300 W HAI	29.99	-95.39
13381211	440 TX	Harris	HOUSTON FACILITY	HOUSTON	77041	335313 Switchgear a	48201 NEAR BELT W	29.85	-95.56
13381311	397.2 TX	Harris	SERMATECH POWER SOLUTIONS	HOUSTON	77041	339910	48201 JERSEY VILLA	29.88	-95.50
13385411	10/0 TX	Harris	SEC ENERGY PRODUCTS AND SERVICES	HOUSTON	77001	333243	48201 9523 FAIRBA	29.91	-95.52
13403311	25.2 TX	Harris	CONTINENTAL AIRLINES IAH AIRPORT	HOUSTON	77032	488111 Air Traffic Co	48201 GEORGE BUS	29.98	-95.33
14747811	221.4 TX	Harris	HOLMES PLANT	HOUSTON	77051	325211 Plastics Mate	48201 2434 HOLME	29.66	-95.39
14766711	6.77 TX	Harris	THE METHOD Institutional (school, hospi	HOUSTON	77030	622110 General Med	48201 INTX OF MAI	29.71	-95.39
15042511	43.2 TX	Harris	MCCORD 1 FACILITY	HOUSTON	77044	211111 Crude Petrol-	48201 3.5 M NW OF	29.9	-95.16
15050211	106.6 TX	Harris	MCCORD PRODUCTION FACILITY 2	HOUSTON	77044	211111 Crude Petrol-	48201 FROM SHELDC	29.91	-95.19
15408211	937 TX	Harris	HYDRIL PREMIUM CONNECTIONS	HOUSTON	77029	332996 Fabricated Pi	48201 302 MCCART	29.78	-95.28
15626311	89.4 TX	Harris	HOUSTON SHIP CHANNEL FACILITY	HOUSTON	77015	211111 Crude Petrol-	48201 12.5 M E OF	29.74	-95.15
15626511	68 TX	Harris	OSAGE 1 FACILITY	HOUSTON	77004	211111 Crude Petrol-	48201 FROM INTX C	29.88	-95.17
16033411	2.79E-03 TX	Val Verde	4M RANCH A Airport	HOUSTON	0	48811 Airport Oper	48465 UNKNOWN	30.02	-101.57
16039211	5.14E-02 TX	Harris	ST. LUKES HC Airport	HOUSTON	0	48811 Airport Oper	48201 UNKNOWN	29.99	-95.56
16317211	198.8 TX	Harris	SL 108750 1 PRODUCTION FACILITY	HOUSTON	77044	211111 Crude Petrol-	48201 LOCATED API	29.88	-95.19
3688311	65 TX	Harris	INDUSTRIAL METAL FINISHING	HOUSTON	77021	332813 Electroplatin	48201 4200 PERRY !	29.69	-95.35
3689111	16.27 TX	Harris	RICE UNIVER Steam/Heating Facility	HOUSTON	77005	447110 Gasoline Stat	48201 6100 S MAIN	29.71	-95.4
3689211	490 TX	Harris	WHISPERING Landfill	HOUSTON	77016	562212 Solid Waste I	48201 8101 E LITTL	29.87	-95.26
3736811	36.2 TX	Harris	WESTHOLLO Chemical Plant	HOUSTON	77082	325110 Petrochemic	48201 3333 HWY 6	29.72	-95.63
3737111	2.69E-03 TX	Harris	STATION 35 I Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 12501 VETER	29.96	-95.48
3967811	582.2 TX	Fort Bend	THOMPSON Oil or Gas Processing	HOUSTON	77210	211111 Crude Petrol-	48157 ON AN OIL FI	29.43	-95.56
4018811	815.8 TX	Harris	INTERNATIONAL PAINT	HOUSTON	77088	325510 Paint and Co	48201 6001 ANTOIN	29.85	-95.47
4019311	2225 TX	Harris	CHANNELVIEW FACILITY	HOUSTON	77030	332312 Fabricated St	48201 16504 DE ZA	29.76	-95.1
4019511	733 TX	Harris	PRECOAT METALS HOUSTON	HOUSTON	77015	339910	48201 16402 JACIN'	29.75	-95.1
4019611	38 TX	Harris	NASA LBJ SPACE CENTER	HOUSTON	77095	927110 Space Resear	48201 2101 NASA R	29.55	-95.09
4034311	545 TX	Harris	PORT FACILITY Oil or Gas Processing	HOUSTON	77001	424710 Petroleum Bi	48201 9317 E AVEN	29.72	-95.26
4055711	318 TX	Harris	MCCARTY RC Landfill	HOUSTON	77001	562212 Solid Waste I	48201 5757A OATE'	29.82	-95.23
4055811	2650.8 TX	Harris	SWS HOLDIN Ship/Boat Manufacturing	HOUSTON	77001	336611 Ship Building	48201 201 BROADV	29.72	-95.27
4056111	1010.2 TX	Harris	REICHHOLD I Plastic, Resin, or Rubber P	HOUSTON	77001	325211 Plastics Mate	48201 1503 HADEN	29.76	-95.18
4056411	3699.2 TX	Harris	CEDAR BAYO Chemical Plant	HOUSTON	77029	325110 Petrochemic	48201 9500 IH 10 E	29.82	-94.92
4057511	748 TX	Harris	CHANNELVIE Electricity Generation via	HOUSTON	77049	221122 Electric Powe	48201 8580 SHELDC	29.83	-95.12
4057811	1378 TX	Harris	CUSTOM BLAST SERVICES	HOUSTON	77034	339910	48201 2550 GENOA	29.62	-95.15
4058211	169.4 TX	Harris	TUBSCOPE HWY 90 COATING FACILITY	HOUSTON	77044	339910	48201 8600 PINELA	29.85	-95.17
4058311	24.2 TX	Harris	FAUNA STAT Oil or Gas Processing	HOUSTON	77049	486910 Pipeline Tran	48201 6404 UVALDI	29.81	-95.17
4073211	1924 TX	Harris	QUALITY PRODUCT FINISHING	HOUSTON	77064	339910	48201 9610 FAIRBA	29.92	-95.52
4167011	712.6 TX	Harris	CB & I CONSTRUCTORS INC	HOUSTON	77064	332313 Plate Work M	48201 8900 FAIRBA	29.9	-95.51
4167111	139.6 TX	Harris	HOUSTON PLANT & FORKLIFT	HOUSTON	77043	332999 All Other Mis	48201 2011 W SAM	29.8	-95.56
4167311	6.4 TX	Harris	CONTINENTAL HOBBY MAINTENANCE B	HOUSTON	77087	488111 Air Traffic Co	48201 8451 TRAVEL	29.64	-95.28
4167911	11.4 TX	Harris	NASA ELLINGTON FIELD	HOUSTON	77095	488111 Air Traffic Co	48201 2101 NASA P	29.59	-95.16
4168811	2.53E-02 TX	Harris	MCCARTY RD LANDFILL GAS RECOVERY	HOUSTON	77078	221210 Natural Gas I	48201 9416 LEY RD	29.83	-95.24
4182511	2452 TX	Harris	HOUSTON RI Petroleum Refinery	HOUSTON	77012	324110 Petroleum Ri	48201 9701 MANCF	29.72	-95.25
4204511	11.97 TX	Panola	CARTHAGE C Oil or Gas Processing	HOUSTON	77210	211111 Crude Petrol-	48365 1 MI S OF CA	32.11	-94.33
4206311	1 TX	Refugio	COMPRESSO Compressor station	HOUSTON	77253	486210 Pipeline Tran	48391 8 M N OF RE	28.34	-97.14
4762811	1870.2 TX	Harris	HOUSTON RI Petroleum Refinery	HOUSTON	77017	324110 Petroleum Ri	48201 2 MI E OF TH	29.71	-95.23
4777811	281.6 TX	Harris	V & M STAR SHELDON RD	HOUSTON	77530	332996 Fabricated Pi	48201 8603 SHELDC	29.83	-95.13
4777911	62.2 TX	Harris	GREENS BAY Electricity Generation via	HOUSTON	77049	221122 Electric Powe	48201 12070 OLD B	29.82	-95.22
4846711	1187.4 TX	Harris	HOUSTON PLANT	HOUSTON	77001	335312 Motor and G	48201 HOUSTON PL	29.86	-95.6
4861111	30.2 TX	Harris	EXXONMOBI Petroleum Storage Facility	HOUSTON	77002	424710 Petroleum Bi	48201 10617 ALMEI	29.66	-95.39
4924711	2.4 TX	Harris	MERISOL GRI Chemical Plant	HOUSTON	77015	325110 Petrochemic	48201 1914 HADEN	29.76	-95.17
4924911	114.6 TX	Harris	WEST CLEAR Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol-	48201 OFF GENOA I	29.62	-95.11
4925611	0.38 TX	Harris	CYPRESS COI Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 15528 HUFFP	29.98	-95.65
4926211	2.02E-04 TX	Harris	ANHEUSER B Breweries/Distilleries/Win	HOUSTON	77013	312120 Breweries	48201 775 GELLHO	29.77	-95.27
4926511	429 TX	Harris	TH WHARTO Electricity Generation via	HOUSTON	77052	221122 Electric Powe	48201 16301 TOMB	29.94	-95.53
4926711	38.8 TX	Harris	NORTH HOU Petroleum Storage Facility	HOUSTON	77001	424710 Petroleum Bi	48201 8700 NORTH	29.88	-95.41
4926911	15.8 TX	Harris	RKI INC	HOUSTON	77001	336211 Motor Vehicl	48201 2301 CENTR/	29.81	-95.46
4941211	700 TX	Harris	HOUSTON CHEMICAL PLANT	HOUSTON	77017	325212 Synthetic Rul	48201 2000 GOODY	29.7	-95.25
4941711	5400.2 TX	Harris	MAUSER CORP	HOUSTON	77028	332439 Other Metal	48201 4004 HOMES	29.79	-95.29
4942411	560.06 TX	Harris	TEXAS MEDI Steam/Heating Facility	HOUSTON	77030	221330 Steam and A	48201 1615 BRAESV	29.7	-95.39
5823211	96.38 ME	Cumberland	SOUTH PORT Petroleum Storage Facility	HOUSTON	04106-3522	424710 Petroleum Bi	23005 170 LINCOLN	43.63	-70.28
6166011	0.41 MN	Houston	Houston WM Wastewater Treatment Fa	Houston	55943	22132 Sewage Trea	27055 300 N Sherid	43.76	-91.56
6166311	27.33 MN	Houston	Houston Cou Landfill	Houston	55943	562212 Solid Waste I	27055 about 1 mi E	43.77	-91.49
6421411	40.2 TX	Harris	GE AERO ENERGY HOUSTON FACILITY	HOUSTON	77015	333611 Turbine and	48201 16415 JACIN'	29.75	-95.11
6422211	2.2 TX	Harris	NORTH MILT Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol-	48201 1.6 MI SOUTI	29.97	-95.46
6422311	0.4 TX	Harris	FOSTER PRODUCTS CORP	HOUSTON	77011	325520 Adhesive Ma	48201 6107 INDUST	29.75	-95.31
6435711	3149.4 TX	Harris	BROCHSTEINS	HOUSTON	77025	337211 Wood Office	48201 11530 MAIN	29.66	-95.44
6510011	42.6 TX	Harris	CHANNEL EN Electricity Generation via	HOUSTON	77017	221122 Electric Powe	48201 451 LIGHT CC	29.71	-95.23
6534911	78.4 TX	Harris	EAST HOUSTON TANK FARM	HOUSTON	77029	486110 Pipeline Tran	48201 7901 WALLIS	29.79	-95.28
6600111	485.4 TX	Chambers	ENTERPRISE Chemical Plant	HOUSTON	77210	325110 Petrochemic	48071 10207 FM 19	29.85	-94.91

6515811	1261.2 TX	Harris	VARCO SHAFFER FACILITY	HOUSTON	77041	333132 Oil and Gas F	48201 12950 W LIT	29.86	-95.6
6516411	3104.8 TX	Harris	SOUTHWEST Ship/Boat Manufacturing	HOUSTON	77012	336611 Ship Building	48201 8502 CYPRES	29.72	-95.27
6672111	297.6 TX	Harris	TEXAS ARAI Fabricated Metal Products	HOUSTON	77064	332996 Fabricated Pi	48201 8204 FAIRBA	29.89	-95.52
6680611	170 TX	Harris	Pilot Chemical Co	Houston	77086	325194	48201 11623 N. Ho	29.9	-95.5
7720611	380 TX	Harris	D & R METAL FINISHING	HOUSTON	77040	339910	48201 6448 CUNNII	29.85	-95.58
7840111	275.6 MS	Chickasaw	Waste Mana Landfill	Houston	38851	562212 Solid Waste I	28017 1649 Highwa	33.95	-88.99
7907311	880 TX	Harris	BRITTMOORE FACILITY	HOUSTON	77041	333912 Air and Gas C	48201 4444 BRITTM	29.83	-95.56
7907411	17 TX	Harris	HOUSTON TE Oil or Gas Processing	HOUSTON	77001	424710 Petroleum Bi	48201 12325 N FW)	29.94	-95.41
7908311	3763.8 TX	Harris	CUSTOM PIPE COATING HOUSTON	HOUSTON	77001	339910	48201 7177 CAVALC	29.79	-95.29
9097211	13.6 TX	Harris	NORTH HOUSTON TERMINAL	HOUSTON	77073	493110 General War	48201 AT THE CORN	29.97	-95.38
9103311	920 TX	Harris	PAINT BOOTH	HOUSTON	77052	335313 Switchgear a	48201 TELGE RD & I	29.93	-95.64
9128811	122.35 TX	Harris	West Housto Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.81	-95.67
9128911	1206.52 TX	Harris	George Bush Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.98	-95.34
9129011	719.96 TX	Harris	William P Ho Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.65	-95.27
9131311	652.87 TX	Harris	Ellington Fiel Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.59	-95.16
9131411	221.42 TX	Harris	David Wayne Airport	Houston	0	48811 Airport Oper	48201 Unknown	30.07	-95.55
9138311	106.03 TX	Fort Bend	Sugar Land R Airport	Houston	0	48811 Airport Oper	48157 Unknown	29.62	-95.65
9138411	55.81 TX	Fort Bend	Houston-Sou Airport	Houston	0	48811 Airport Oper	48157 Unknown	29.5	-95.47
9181511	140.7 TX	Brazoria	Clover Field Airport	Houston	0	48811 Airport Oper	48039 Unknown	29.52	-95.24
9409511	4.52 MQ	Texas	Houston Mei Airport	Houston	0	48811 Airport Oper	29215 Unknown	37.33	-91.97
9502311	17.9 MS	Chickasaw	Houston Mui Airport	Houston	38851	48811 Airport Oper	28017 Highway 15	33.89	-89.02

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2011 facility total 1,3-butadiene

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EIS_Identifier	1,3-Butadiene State	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Adre	Latitude	Longitude
10980511	1.86E-02 MS	Chickasaw	SHENANDO A	Airport		HOUSTON		0	48811	Airport Oper	28017 Unknown	33.8	-89.02
10989211	1.16 TX	Harris	METRO HELI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.61	-95.35
10996211	1.16 TX	Harris	CONOCO	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.61
10999611	1.16 TX	Harris	CHANNEL TV	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.69	-95.52
11000111	1.86E-03 AK	Matanuska-S	SATTERBERG	Airport		HOUSTON		0	48811	Airport Oper	2170 Unknown	61.65	-149.9
11053511	1.16 TX	Harris	KTRK TV STA	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.42
11094911	1.86E-03 MS	Chickasaw	KIMMEL LAN	Airport		HOUSTON		0	48811	Airport Oper	28017 Unknown	33.83	-88.92
11107611	11.89 TX	Harris	JOHN S DUNI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.71	-95.39
11109311	1.16 TX	Harris	HEARTHSTO	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.87	-95.63
11122611	1.16 TX	Harris	NW POLICE S	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.85	-95.53
11197811	0.68 TX	Harris	SKYHAVEN	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.83	-95.14
11266811	1.16 TX	Harris	GELLHORN P	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.26
11543611	1.16 TX	Harris	HOUSTON	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.81	-95.66
11543811	1.16 TX	Harris	HARRIS COU	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.71	-95.47
11550111	1.16 TX	Harris	BEAR CREEK	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.79	-95.63
11562211	1.16 TX	Harris	VETERANS A	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.7	-95.38
11573111	1.16 TX	Harris	STAR HOUST	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.44
11577311	1.16 TX	Harris	DELTA MECH	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.85	-95.4
11579411	1.16 TX	Harris	THE AMERIC	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.76	-95.39
11591711	1.16 TX	Harris	HOUSTON PC	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.65	-95.32
11595711	1.16 TX	Harris	ST LUKES E	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.7	-95.38
11608311	1.16 TX	Harris	GOODSON H	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	30	-95.42
11612311	1.16 TX	Harris	KHOU-TV	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.76	-95.38
11623211	1.86E-03 AK	Matanuska-S	GUS LANDIN	Airport		HOUSTON		0	48811	Airport Oper	2170 Unknown	61.6	-149.77
11625911	7.71E-02 AK	Matanuska-S	REIDS LANDI	Airport		HOUSTON		0	48811	Airport Oper	2170 Unknown	61.61	-149.85
11627511	1.16 TX	Harris	ALDINE	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.92	-95.35
11643711	6.76E-02 AK	Matanuska-S	BLACK SPRU	Airport		HOUSTON		0	48811	Airport Oper	2170 Unknown	61.65	-149.83
11675911	1.16 TX	Harris	TEX-STAR	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.41
11676011	1.16 TX	Harris	WOODCREE	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.6
11676311	1.16 TX	Harris	HARRIS COU	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.83	-95.65
11709611	0.16 MO	Texas	FLYING E	Airport		HOUSTON		0	48811	Airport Oper	29215 Unknown	37.34	-92.12
11718911	1.16 TX	Harris	HICKORY HO	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.92	-95.52
11746411	1.16 TX	Harris	B & S WARE	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.52
11749011	1.16 TX	Galveston	KEMAH WAT	Airport		HOUSTON		0	48811	Airport Oper	48167 Unknown	29.54	-95.01
11765711	1.16 TX	Harris	LIFT CRANE	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.63	-95.45
11765811	1.16 TX	Harris	PEARCE INDL	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.65	-95.46
11766111	8.02E-02 AK	Matanuska-S	MORVRO LAI	Airport		HOUSTON		0	48811	Airport Oper	2170 Unknown	61.6	-149.78
11768011	1.16 TX	Harris	PORTA-KAMI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.79	-95.44
11778411	1.16 TX	Harris	USCG PORT S	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.25
11784411	1.16 TX	Harris	POST OAK C	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.46
11801211	1.16 TX	Harris	BALL PARK	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.67	-95.61
11811711	1.16 TX	Harris	JOHNSON SP	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.56	-95.09
11815711	1.16 TX	Harris	ALLIED NORT	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.95	-95.41
11818711	1.16 TX	Harris	MARINE COM	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.7	-95.27
11826311	1.16 TX	Harris	GATEWAY HI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.93	-95.33
11841511	1.16 TX	Harris	PAPA	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.98	-95.35
11851811	1.16 TX	Harris	TENNECO LA	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.47
11854511	1.16 TX	Harris	POLICE HEAC	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.76	-95.37
11871511	1.16 TX	Harris	SPL	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.65	-95.42
11881211	1.16 TX	Harris	SW POLICE S	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.68	-95.45
11892511	1.16 TX	Harris	MEMORIAL C	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.54
11897711	1.16 TX	Harris	NE POLICE S	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.81	-95.33
11927011	1.16 TX	Harris	PARKVIEW C	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.86	-95.4
11929811	1.16 TX	Harris	CHARTER BA	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.74	-95.48
11934111	1.16 TX	Harris	CYPRESS FAI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.92	-95.58
11934811	0.25 TX	Brazoria	HOUSTON AI	Airport		HOUSTON		0	48811	Airport Oper	48039 Unknown	29.51	-95.27
11944511	1.16 TX	Harris	FIRST CITY	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.75	-95.36
11944611	1.16 TX	Harris	PIN OAK STA	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.45
11944711	1.16 TX	Harris	WILSHIRE PL	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.85	-95.5
11944911	1.16 TX	Harris	PALM PETRO	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.97	-95.36
11949011	1.16 TX	Harris	GENERAL PLI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.89	-95.39
11973211	1.16 TX	Harris	POLICE HELI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.64	-95.27
11980011	1.16 TX	Harris	WEST HOUS	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.59
12007511	1.16 TX	Harris	TEXAS COMM	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.75	-95.36
12010711	1.68E-02 TX	Fort Bend	HAPPY LAND	Airport		HOUSTON		0	48811	Airport Oper	48157 Unknown	29.5	-95.9
12018611	1.16 TX	Harris	DAILEY INC	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.27
12031111	1.16 TX	Harris	KURIO	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.8	-95.56
12031311	1.16 TX	Harris	STEEPLECHA	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.92	-95.59
12031411	1.16 TX	Harris	LYNDON B JC	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.81	-95.31
12044011	0.69 TX	Brazoria	FLYIN B	Airport		HOUSTON		0	48811	Airport Oper	48039 Unknown	29.53	-95.42
12051611	0.16 MO	Texas	PEGASUS RA	Airport		HOUSTON		0	48811	Airport Oper	29215 Unknown	37.38	-92.21
12064511	1.16 TX	Harris	METHODIST	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.71	-95.39
12068511	1.16 TX	Harris	LANDRYS SE	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.75	-95.45
12068911	1.16 TX	Harris	DRV DOWNT	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.75	-95.36
12069011	1.16 TX	Harris	LANDRYS W	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.78	-95.45
12079211	1.16 TX	Harris	CHRISTUS ST	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.74	-95.36
12080011	1.16 TX	Harris	KRIV FOX 26	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.44
12090811	1.16 TX	Harris	GRACO MECI	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.72	-95.48
12153211	17.91 TX	Harris	DAN JONES I	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	30.04	-95.66
12173611	1.16 TX	Harris	ECKELS	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.83	-95.65
12174711	1.16 TX	Harris	EMERGENCY	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.75	-95.36
12185411	13.78 TX	Fort Bend	WESTHEIMEI	Airport		HOUSTON		0	48811	Airport Oper	48157 Unknown	29.69	-95.79
12190111	1.16 TX	Harris	ROWAN	Airport		HOUSTON		0	48811	Airport Oper	48201 Unknown	29.63	-95.28

12191911	1.16 TX	Fort Bend	LIFE FLIGHT/ Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.56	-95.43
12225911	20.66 TX	Waller	HOUSTON E Airport	HOUSTON	0	48811 Airport Oper	48473 Unknown	29.8	-95.89
12253411	1.16 TX	Harris	LEWIS ELECT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.27
12253511	1.16 TX	Harris	FIRST BANK f Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.5
12253711	1.16 TX	Harris	GWS INC COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.68	-95.4
12254111	1.16 TX	Harris	WESTCHASE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.54
12254211	1.16 TX	Harris	THE HUNTING Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.41
12254711	1.16 TX	Harris	TRANSCO TO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.46
12257011	1.16 TX	Harris	TOWN & COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.55
12257111	1.16 TX	Harris	GULF TOWEF Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12257211	1.16 TX	Harris	SHELL I C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.69	-95.4
12258211	1.16 TX	Harris	BROWN & R Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.76	-95.32
12356211	87.25 TX	Harris	WEISER AIR f Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.93	-95.63
12434411	1.86E-03 MO	Texas	PINEY BEND Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.43	-91.94
12492711	0.42 MO	Texas	TEXAS COUN Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.31	-91.96
12495211	0.16 MO	Texas	TAUS RIVER I Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.42	-91.95
15042511	1.6 TX	Harris	MCCORD 1 FACILITY	HOUSTON	77044	211111 Crude Petrol	48201 3.5 M NW OF	29.9	-95.16
15043011	2.98 TX	Harris	TAYLOR HEIRS TANK BATTERY	HOUSTON	77045	211111 Crude Petrol	48201 NEAR ALMEE	29.64	-95.4
16033411	1.86E-03 TX	Val Verde	4M RANCH A Airport	HOUSTON	0	48811 Airport Oper	48465 UNKNOWN	30.02	101.57
16039211	3.43E-02 TX	Harris	ST. LUKES HC Airport	HOUSTON	0	48811 Airport Oper	48201 UNKNOWN	29.99	-95.56
3736811	130.8 TX	Harris	WESTHOLLO Chemical Plant	HOUSTON	77082	325110 Petrochemic	48201 3333 HWY 6	29.72	-95.63
3737111	1.81E-02 TX	Harris	STATION 35 I Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 12501 VETER	29.96	-95.48
3967811	40 TX	Fort Bend	THOMPSON Oil or Gas Processing	HOUSTON	77210	211111 Crude Petrol	48157 ON AN OIL FI	29.43	-95.56
4056411	2008.4 TX	Harris	CEDAR BAYO Chemical Plant	HOUSTON	77029	325110 Petrochemic	48201 9500 IH 10 E	29.82	-94.92
4057511	24.46 TX	Harris	CHANNELVIE Electricity Generation via	HOUSTON	77049	221122 Electric Powe	48201 8580 SHELDC	29.83	-95.12
4168611	34817.8 TX	Harris	HOUSTON PL Chemical Plant	HOUSTON	77017	325110 Petrochemic	48201 8600 PARK P	29.69	-95.25
4168811	20.17 TX	Harris	MCCARTY RD LANDFILL GAS RECOVERY	HOUSTON	77078	221210 Natural Gas f	48201 9416 LEY RD	29.83	-95.24
4182511	1178 TX	Harris	HOUSTON RI Petroleum Refinery	HOUSTON	77012	324110 Petroleum Ri	48201 9701 MANCF	29.72	-95.25
4204511	69.64 TX	Panola	CARTHAGE C Oil or Gas Processing	HOUSTON	77210	211111 Crude Petrol	48365 1 MI S OF CA	32.11	-94.33
4206311	8.69E-02 TX	Refugio	COMPRESSO Compressor station	HOUSTON	77253	486210 Pipeline Tran	48391 8 M N OF REI	28.34	-97.14
4762811	2588.6 TX	Harris	HOUSTON RI Petroleum Refinery	HOUSTON	77017	324110 Petroleum Ri	48201 2 MI E OF TH	29.71	-95.23
4778711	3 TX	Harris	HOUSTON PL Chemical Plant	HOUSTON	77012	325180	48201 8615 MANCF	29.71	-95.27
4924911	3.31E-02 TX	Harris	WEST CLEAR Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48201 OFF GENOA I	29.62	-95.11
4925611	2.6 TX	Harris	CYPRESS COI Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 15528 HUFFP	29.98	-95.65
4926211	1.36E-03 TX	Harris	ANHEUSER B Breweries/Distilleries/Win	HOUSTON	77013	312120 Breweries	48201 775 GELLHOI	29.77	-95.27
4931111	20 TX	Liberty	RAYWOOD EAST FACILITY	HOUSTON	77060	211111 Crude Petrol	48291 1.3 MILES & '	30.02	-94.69
4931211	11.55 TX	Liberty	KIRBY LUMBER TANK BATTERY	HOUSTON	77236	211111 Crude Petrol	48291 3 MI SE OF C	30.25	-95.11
4941211	13093 TX	Harris	HOUSTON CHEMICAL PLANT	HOUSTON	77017	325212 Synthetic Rul	48201 2000 GOODY	29.7	-95.25
4942411	0.41 TX	Harris	TEXAS MEDIK Steam/Heating Facility	HOUSTON	77030	221330 Steam and A	48201 1615 BRAESV	29.7	-95.39
5616911	12.71 TX	Brazoria	MCFARLAND Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48039 FROST THE IN	29.15	-95.78
6166011	1.35E-03 MN	Houston	Houston WM Wastewater Treatment Fa	Houston	55943	22132 Sewage Trea	27055 300 N Sherid	43.76	-91.56
6422211	40 TX	Harris	NORTH MILT Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48201 1.6 MI SOUTI	29.97	-95.46
6422311	0.4 TX	Harris	FOSTER PRODUCTS CORP	HOUSTON	77011	325520 Adhesive Ma	48201 6107 INDUST	29.75	-95.31
6510011	9.86 TX	Harris	CHANNEL EN Electricity Generation via	HOUSTON	77017	221122 Electric Powe	48201 451 LIGHT CC	29.71	-95.23
6600111	410 TX	Chambers	ENTERPRISE Chemical Plant	HOUSTON	77210	325110 Petrochemic	48071 10207 FM 19	29.85	-94.91
6642511	1012.8 TX	Harris	PL PROPYLENE LLC	HOUSTON	77001	325110 Petrochemic	48201 9822 LA POR	29.7	-95.25
6672211	35.75 TX	Harris	ALMEDA LPG TERMINAL	HOUSTON	77053	486990 All Other Pip	48201 11650 ALMEI	29.64	-95.4
9128811	245.51 TX	Harris	West Houston Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.81	-95.67
9128911	4020.48 TX	Harris	George Bush Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.98	-95.34
9129011	3386.82 TX	Harris	William P Ho Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.65	-95.27
9131311	5357.27 TX	Harris	Ellington Fiel Airport	Houston	0	48811 Airport Oper	48201 Unknown	29.59	-95.16
9131411	489.93 TX	Harris	David Wayne Airport	Houston	0	48811 Airport Oper	48201 Unknown	30.07	-95.55
9138311	220.16 TX	Fort Bend	Sugar Land R Airport	Houston	0	48811 Airport Oper	48157 Unknown	29.62	-95.65
9138411	119.36 TX	Fort Bend	Houston-Sou Airport	Houston	0	48811 Airport Oper	48157 Unknown	29.5	-95.47
9181511	277.79 TX	Brazoria	Clover Field Airport	Houston	0	48811 Airport Oper	48039 Unknown	29.52	-95.24
9409511	9.41 MO	Texas	Houston Mei Airport	Houston	0	48811 Airport Oper	29215 Unknown	37.33	-91.97
9502311	44.84 MS	Chickasaw	Houston Mui Airport	Houston	38851	48811 Airport Oper	28017 Highway 15	33.89	-89.02

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2011 facility total chromium VI

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EIS_Identifier	Chromium (v State	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Addr	Latitude	Longitude
4167011	76.49 TX	Harris	CB & I CONSTRUCTORS INC			HOUSTON	77064	332313	Plate Work N		48201 8900 FAIRBA	29.9	-95.51
4778711	72.9 TX	Harris	HOUSTON PL Chemical Plant			HOUSTON	77012	325180			48201 8615 MANCH	29.71	-95.27
4019511	63.99 TX	Harris	PRECOAT METALS HOUSTON			HOUSTON	77015	339910			48201 16402 JACIN'	29.75	-95.1
6533911	61.83 TX	Harris	CYPRESS PLANT			HOUSTON	77095	332111	Iron and Stee		48201 10825 TELGE	29.92	-95.65
91337411	19.65 TX	Harris	H & M Plating Co Inc.			Houston	77087	332813	Electroplatin		48201 6035 Plainvie	29.68	-95.31
6680311	11.16 TX	Harris	Mirror Inds			Houston	77055	332813	Electroplatin		48201 11510 Kilbur	29.81	-95.48
4182511	6.2 TX	Harris	HOUSTON RI Petroleum Refinery			HOUSTON	77012	324110	Petroleum Ri		48201 9701 MANCH	29.72	-95.25
3687811	5.98 TX	Harris	METAL PREP HOUSTON PLANT			HOUSTON	77001	339910			48201 501 N GREEN	29.75	-95.31
15004411	5.06 TX	Harris	HOOVER MATERIALS HANDLING GROU			HOUSTON	77077	332999	All Other Mis		48201 2135 S HWY	29.74	-95.64
4940711	4.07 TX	Harris	ELLWOOD TEXAS FORGE			HOUSTON	77045	332111	Iron and Stee		48201 12500 AMELI	29.63	-95.4
3739411	2.87 TX	Harris	Dixie Electro Plating Co			Houston	77003	332813	Electroplatin		48201 3001 Engelke	29.75	-95.33
3849211	2.72 TX	Harris	Schumacher Co Inc			Houston	77023	332813	Electroplatin		48201 5610 Polk Av	29.73	-95.31
4168611	0.92 TX	Harris	HOUSTON PL Chemical Plant			HOUSTON	77017	325110	Petrochemic		48201 8600 PARK P	29.69	-95.25
4167911	0.75 TX	Harris	NASA ELLINGTON FIELD			HOUSTON	77095	488111	Air Traffic Co		48201 2101 NASA P	29.59	-95.16
13381311	0.56 TX	Harris	SERMATECH POWER SOLUTIONS			HOUSTON	77041	339910			48201 JERSEY VILLA	29.88	-95.59
6642011	0.47 TX	Harris	HOUSTON PL Food Products Processing			HOUSTON	77003	311920	Coffee and T		48201 3900 HARRIS	29.74	-95.33
4073211	0.2 TX	Harris	QUALITY PRODUCT FINISHING			HOUSTON	77064	339910			48201 9610 FAIRBA	29.92	-95.52
4777911	0.16 TX	Harris	GREENS BAY Electricity Generation via			HOUSTON	77049	221122	Electric Powe		48201 12070 OLD B	29.82	-95.22
4057511	0.14 TX	Harris	CHANNELVIE Electricity Generation via			HOUSTON	77049	221122	Electric Powe		48201 8580 SHELDC	29.83	-95.12
4926211	0.12 TX	Harris	ANHEUSER B Breweries/Distilleries/Win			HOUSTON	77013	312120	Breweries		48201 775 GELLHOF	29.77	-95.27
4780011	0.11 PA	Washington	ALLEGHENY I Steel Mill			HOUSTON	15342	331110			42125 ROUTE 519	40.25	-80.2
4942411	8.99E-02 TX	Harris	TEXAS MEDIK Steam/Heating Facility			HOUSTON	77030	221330	Steam and A		48201 1615 BRAESV	29.7	-95.39
6600111	7.46E-02 TX	Chambers	ENTERPRISE Chemical Plant			HOUSTON	77210	325110	Petrochemic		48071 12070 FM 19	29.85	-94.91
4777811	4.89E-02 TX	Harris	V & M STAR SHELTON RD			HOUSTON	77530	332996	Fabricated Pi		48201 8603 SHELDC	29.83	-95.13
14766711	3.31E-02 TX	Harris	THE METHOD Institutional (school, hospi			HOUSTON	77030	622110	General Med		48201 INTX OF MAI	29.71	-95.39
4925411	3.11E-02 TX	Harris	HOUSTON FUEL OIL TERMINAL			HOUSTON	77530	493110	General War		48201 16642 JACIN'	29.75	-95.1
4924711	2.84E-02 TX	Harris	MERISOL GRI Chemical Plant			HOUSTON	77015	325110	Petrochemic		48201 1914 HADEN	29.76	-95.17
9102911	2.78E-02 TX	Harris	BUSH IAH			HOUSTON	77032	488111	Air Traffic Co		48201 16930 JFK BL	29.98	-95.34
4019611	2.67E-02 TX	Harris	NASA LBJ SPACE CENTER			HOUSTON	77095	927110	Space Resear		48201 2101 NASA R	29.55	-95.09
13409911	2.33E-02 TX	Harris	TUBULAR PROCESSING SERVICES DIVISC			HOUSTON	77049	331221	Rolled Steel !		48201 9393 SHELDC	29.84	-95.13
4853011	2.31E-02 TX	Fort Bend	HOUSTON PLANT			HOUSTON	77001	325613	Surface Activ		48157 15200 ALMEI	29.58	-95.43
3736811	2.00E-02 TX	Harris	WESTHOLLO Chemical Plant			HOUSTON	77082	325110	Petrochemic		48201 3333 HWY 6	29.72	-95.63
15042211	1.50E-02 TX	Harris	FORGED PRODUCTS			HOUSTON	77001	332111	Iron and Stee		48201 6505 N HOU	29.86	-95.48
6671811	1.34E-02 TX	Harris	BAYLOR COLI Institutional (school, hospi			HOUSTON	77030	611310	Colleges, Uni		48201 1200 MOUR	29.71	-95.39
3689311	8.66E-03 TX	Harris	JACOB STERN Food Products Processing			HOUSTON	77261	311613	Rendering ar		48201 1906 75TH S'	29.74	-95.28
6436411	8.29E-03 TX	Harris	OWENS CORNING			HOUSTON	77001	324122	Asphalt Shiny		48201 8360 MARKE	29.77	-95.27
4058511	7.16E-03 TX	Harris	GREENS BAY Chemical Plant			HOUSTON	77001	325180			48201 2239 HADEN	29.76	-95.17
6642711	6.01E-03 TX	Harris	ARKEMA INC Chemical Plant			HOUSTON	77001	325110	Petrochemic		48201 2231 HADEN	29.75	-95.17
14747811	5.97E-03 TX	Harris	HOLMES PLANT			HOUSTON	77051	325211	Plastics Mate		48201 2434 HOLME	29.66	-95.39
3689111	4.86E-03 TX	Harris	RICE UNIVER Steam/Heating Facility			HOUSTON	77005	447110	Gasoline Stat		48201 6100 S MAIN	29.71	-95.4
4057311	4.83E-03 TX	Harris	TEXAS MEDIK Steam/Heating Facility			HOUSTON	77030	221330	Steam and A		48201 6935 S MAIN	29.7	-95.4
4778111	4.76E-03 TX	Harris	OIL TANKING HOUSTON TERMINAL			HOUSTON	77001	493110	General War		48201 15602 JACIN'	29.74	-95.12
13381011	4.26E-03 TX	Harris	OIL TANKING			HOUSTON	77015	486210	Pipeline Tran		48201 15602 JACIN'	29.74	-95.13
4862911	3.58E-03 TX	Harris	HOUSTON PLANT			HOUSTON	77001	325998	All Other Mis		48201 101 CONCRE	29.71	-95.26
4056111	3.55E-03 TX	Harris	REICHHOLD I Plastic, Resin, or Rubber P			HOUSTON	77001	325211	Plastics Mate		48201 1503 HADEN	29.76	-95.18
7907311	2.78E-03 TX	Harris	BRITTMOORE FACILITY			HOUSTON	77041	333912	Air and Gas C		48201 4444 BRITTTV	29.83	-95.56
9100811	1.99E-03 TX	Harris	TEXAS TILE MANUFACTURING			HOUSTON	77007	326199	All Other Pla		48201 1705 N OLIVI	29.77	-95.38
3688611	1.81E-03 TX	Harris	HOCKLEY FACILITY			HOUSTON	77027	488999	All Other Sup		48201 17020 PREM	30.02	-95.86
4925211	1.79E-03 TX	Harris	69TH ST WW Wastewater Treatment Fa			HOUSTON	77026	221320	Sewage Trea		48201 2525 SSGT M	29.75	-95.31
4941811	1.21E-03 TX	Harris	SOUTHLINE F Fabricated Metal Products			HOUSTON	77001	332439	Other Metal		48201 3777 W 12TH	29.79	-95.45
6642811	2.69E-04 TX	Harris	LEELAND BAI Bakeries			HOUSTON	77023	311812	Commercial I		48201 4104 LEELAN	29.73	-95.33
14743711	5.82E-05 TX	Harris	GE II HOUSTON SERVICE CENTER			HOUSTON	77029	444120	Paint and W		48201 8800 WALLIS	29.79	-95.27
5823211	3.11E-05 ME	Cumberland	SOUTH PORT Petroleum Storage Facility			HOUSTON	04106-3522	424710	Petroleum Bi		23005 170 LINCOLN	43.63	-70.28
6614811	1.34E-05 TX	Harris	NCI BUILDING SYSTEMS L P			HOUSTON	77001	332311	Prefabricatec		48201 7301 FAIRVIE	29.88	-95.59

2011 facility total formaldehyde

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Environmental Protection Agency, 2011 National Emissions Inventory v1 - Edited on St

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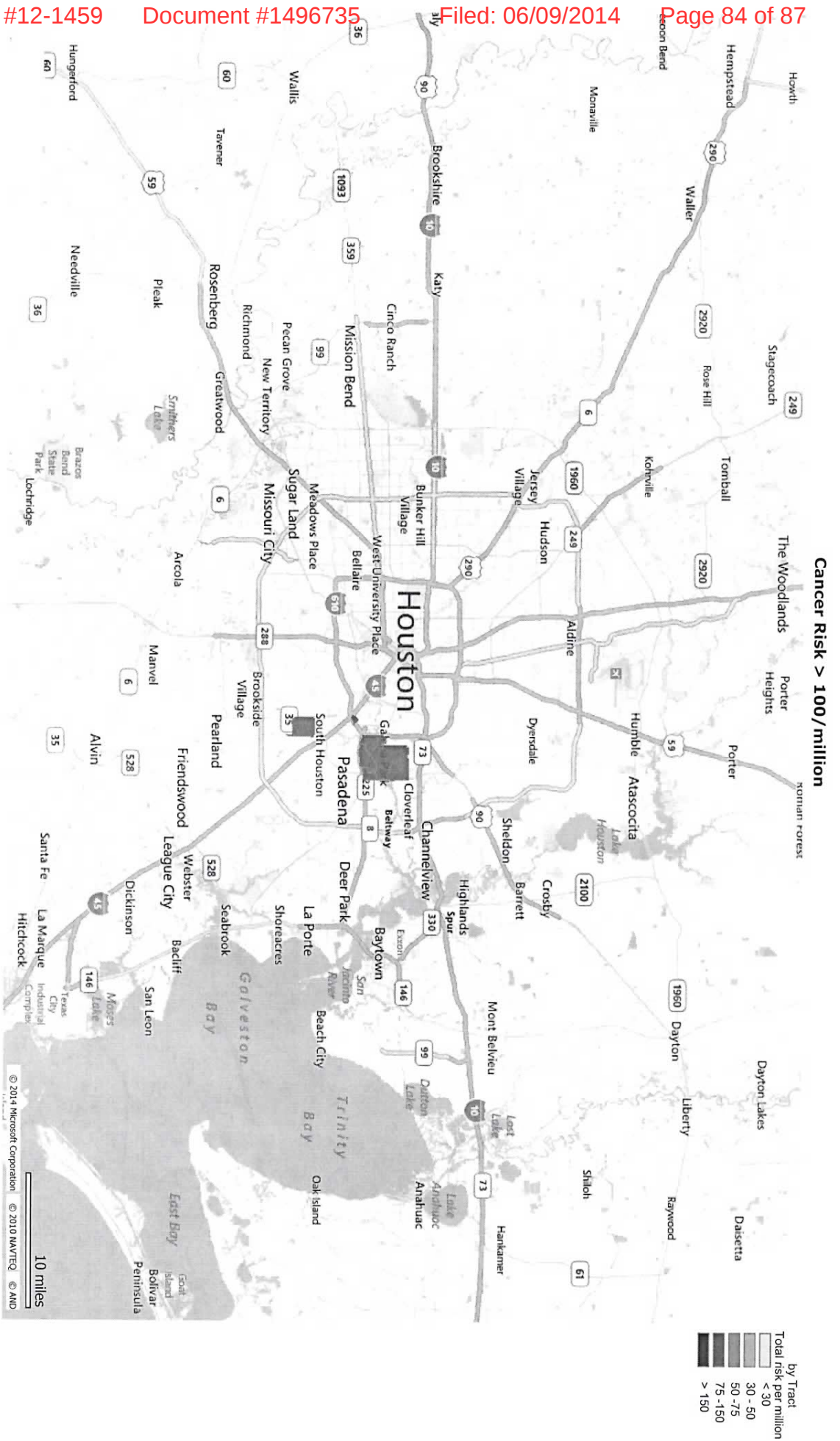
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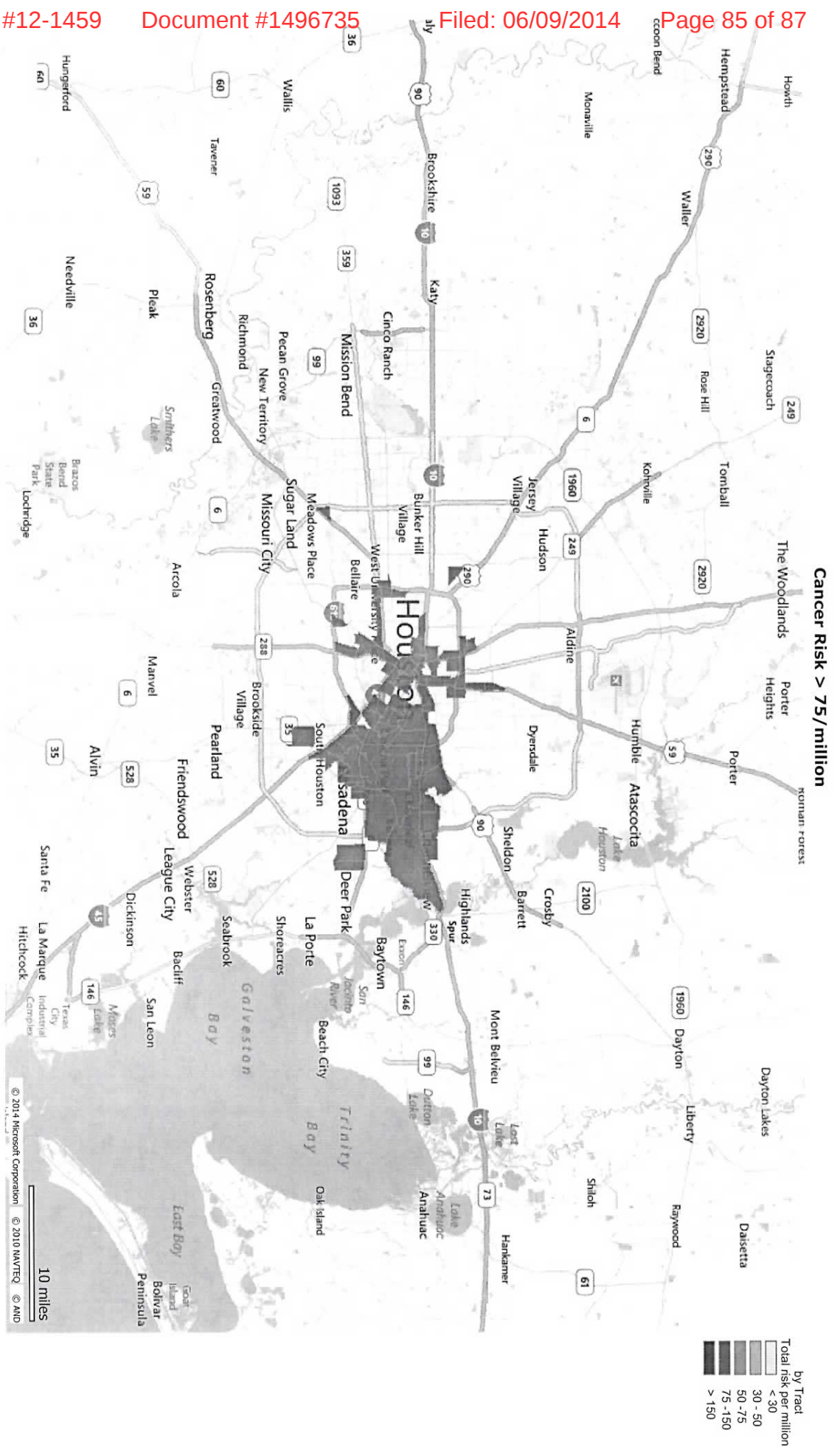


EIS_Identifier	Formaldehyde State	County	Site Name	Facility Type	Tribal Name	City	Zip Code	NAICS Code	NAICS Descri	FIPS	Street Address	Latitude	Longitude
9131311	40175.77 TX	Harris	Ellington Fiel Airport			Houston	0	48811	Airport Oper		48201 Unknown	29.59	-95.16
9128911	30723.08 TX	Harris	George Bush Airport			Houston	0	48811	Airport Oper		48201 Unknown	29.98	-95.34
9129011	25379.24 TX	Harris	William P Ho Airport			Houston	0	48811	Airport Oper		48201 Unknown	29.65	-95.27
6600111	22586.55 TX	Chambers	ENTERPRISE Chemical Plant			HOUSTON	77210	325110	Petrochemic		48071 10207 FM 19	29.85	-94.91
4057511	16859.6 TX	Harris	CHANNELVIE Electricity Generation via t			HOUSTON	77049	221122	Electric Powe		48201 8580 SHELDC	29.83	-95.12
4204511	10160.4 TX	Panola	CARTHAGE C Oil or Gas Processing			HOUSTON	77210	211111	Crude Petrol		48365 1 MI S OF CA	32.11	-94.33
4926511	9509.8 TX	Harris	TH WHARTO Electricity Generation via t			HOUSTON	77052	221122	Electric Powe		48201 16301 TOMB	29.94	-95.53
9131411	3018.14 TX	Harris	David Wayne Airport			Houston	0	48811	Airport Oper		48201 Unknown	30.07	-95.55
1031011	2230 AL	Winston	Grayson Lum Lumber/Sawmill			Houston	35572	321113	Sawmills		1133 505 County F	34.27	-87.31
6422211	1960 TX	Harris	NORTH MILT Oil or Gas Processing			HOUSTON	77001	211111	Crude Petrol		48201 1.6 MI SOUTI	29.97	-95.46
9181511	1661.84 TX	Brazoria	Clover Field Airport			Houston	0	48811	Airport Oper		48039 Unknown	29.52	-95.24
4056411	1620 TX	Harris	CEDAR BAYO Chemical Plant			HOUSTON	77029	325110	Petrochemic		48201 9500 IH 10 E	29.82	-94.92
4777911	1599.2 TX	Harris	GREENS BAYI Electricity Generation via t			HOUSTON	77049	221122	Electric Powe		48201 12070 OLD B	29.82	-95.22
4168611	1551.8 TX	Harris	HOUSTON PL Chemical Plant			HOUSTON	77017	325110	Petrochemic		48201 8600 PARK P	29.69	-95.25
9128811	1475.25 TX	Harris	West Housto Airport			Houston	0	48811	Airport Oper		48201 Unknown	29.81	-95.67
3967811	1443.6 TX	Fort Bend	THOMPSON Oil or Gas Processing			HOUSTON	77210	211111	Crude Petrol		48157 ON AN OIL FI	29.43	-95.56
4182511	1338 TX	Harris	HOUSTON RI Petroleum Refinery			HOUSTON	77012	324110	Petroleum Ri		48201 9701 MANCH	29.72	-95.25
9138311	1334.99 TX	Fort Bend	Sugar Land R Airport			Houston	0	48811	Airport Oper		48157 Unknown	29.62	-95.65
4931111	1100 TX	Liberty	RAYWOOD EAST FACILITY			HOUSTON	77060	211111	Crude Petrol		48291 1.3 MILES & '	30.02	-94.69
6672211	1085.34 TX	Harris	ALMEDA LPG TERMINAL			HOUSTON	77053	486990	All Other Pip		48201 11650 ALMEI	29.64	-95.4
4942411	1072.6 TX	Harris	TEXAS MEDIK Steam/Heating Facility			HOUSTON	77030	221330	Steam and A		48201 1615 BRAESV	29.7	-95.39
4206311	822.69 TX	Refugio	COMPRESSO Compressor station			HOUSTON	77253	486210	Pipeline Tran		48391 8 M N OF REI	28.34	-97.14
4168811	800 TX	Harris	MCCARTY RD LANDFILL GAS RECOVERY			HOUSTON	77078	221210	Natural Gas I		48201 9416 LEY RD	29.83	-95.24
9138411	729.23 TX	Fort Bend	Houston-Sou Airport			Houston	0	48811	Airport Oper		48157 Unknown	29.5	-95.47
12356211	519.73 TX	Harris	WEISER AIR F Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.93	-95.63
3736811	517.59 TX	Harris	WESTHOLLO Chemical Plant			HOUSTON	77082	325110	Petrochemic		48201 3333 HWY 6	29.72	-95.63
4055311	500 TX	Harris	QUALITY ELE Foundries, Iron and Steel			HOUSTON	77001	331513	Steel Foundr		48201 252 MCCART	29.78	-95.28
4951211	386 TX	Liberty	KIRBY LUMBER TANK BATTERY			HOUSTON	77236	211111	Crude Petrol		48291 3 MI SE OF C	30.25	-95.11
4925611	353.2 TX	Harris	CYPRESS COF Compressor station			HOUSTON	77001	486210	Pipeline Tran		48201 15528 HUFFP	29.98	-95.65
3669111	344.28 TX	Harris	RICE UNIVER Steam/Heating Facility			HOUSTON	77005	447110	Gasoline Stat		48201 6100 S MAIN	29.71	-95.4
6510011	336.6 TX	Harris	CHANNEL EN Electricity Generation via t			HOUSTON	77017	221122	Electric Powe		48201 451 LIGHT CC	29.71	-95.23
9562911	289.96 MS	Chickasaw	Houston Mei Airport			Houston	38851	48811	Airport Oper		28017 Highway 15	33.89	-89.02
6671811	200 TX	Harris	BAYLOR COLI Institutional (school, hospi			HOUSTON	77030	611310	Colleges, Uni		48201 1200 MOURS	29.71	-95.39
5616911	175.6 TX	Brazoria	MCFARLAND Oil or Gas Processing			HOUSTON	77001	211111	Crude Petrol		48039 FROM THE IA	29.15	-95.76
14766711	169.14 TX	Harris	THE METHOI Institutional (school, hospi			HOUSTON	77030	622110	General Med		48201 INTX OF MAI	29.71	-95.39
6436711	161.6 TX	Harris	BROCHSTEINS			HOUSTON	77025	337211	Wood Office		48201 11530 MAIN	29.66	-95.44
12225911	123.09 TX	Waller	HOUSTON E Airport			HOUSTON	0	48811	Airport Oper		48473 Unknown	29.8	-95.89
12153211	106.68 TX	Harris	DAN JONES I Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	30.04	-95.66
4762811	102.4 TX	Harris	HOUSTON RI Petroleum Refinery			HOUSTON	77017	324110	Petroleum Ri		48201 2 MI E OF TH	29.71	-95.23
15043011	102 TX	Harris	TAYLOR HEIRS TANK BATTERY			HOUSTON	77045	211111	Crude Petrol		48201 NEAR ALMEI	29.64	-95.4
4019511	100.4 TX	Harris	PRECOAT METALS HOUSTON			HOUSTON	77015	339910			48201 16402 JACIN'	29.75	-95.1
111C7611	84.05 TX	Harris	JOHN S DUNI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.39
12185411	82.06 TX	Fort Bend	WESTHEIMEI Airport			HOUSTON	0	48811	Airport Oper		48157 Unknown	29.69	-95.79
4941711	76.6 TX	Harris	MAUSER CORP			HOUSTON	77028	332439	Other Metal		48201 4004 HOMES	29.79	-95.29
6422311	76 TX	Harris	FOSTER PRODUCTS CORP			HOUSTON	77011	325520	Adhesive Ma		48201 6107 INDUST	29.75	-95.31
6421411	60 TX	Harris	GE AERO ENERGY HOUSTON FACILITY			HOUSTON	77015	333611	Turbine and '		48201 16415 JACIN'	29.75	-95.11
4926211	57.22 TX	Harris	ANHEUSER B Breweries/Distilleries/Win			HOUSTON	77013	312120	Breweries		48201 775 GELLHOI	29.77	-95.27
9409511	57.06 MO	Texas	Houston Mei Airport			Houston	0	48811	Airport Oper		29215 Unknown	37.33	-91.97
4057311	56.6 TX	Harris	TEXAS MEDIK Steam/Heating Facility			HOUSTON	77030	221330	Steam and A		48201 6935 S MAIN	29.7	-95.4
4981411	47.8 TX	Harris	LONGHORN Glass Plant			HOUSTON	77029	327213	Glass Contair		48201 4202 FIDELIT	29.76	-95.25
4058211	43.6 TX	Harris	TUBOSCOPE HWY 90 COATING FACILITY			HOUSTON	77044	339910			48201 8600 PINELA	29.85	-95.17
4777811	43 TX	Harris	V & M STAR SHELDON RD			HOUSTON	77530	332996	Fabricated PI		48201 8603 SHELDC	29.83	-95.13
9102911	37.4 TX	Harris	BUSH IAH			HOUSTON	77032	488111	Air Traffic Co		48201 16930 JFK BL	29.98	-95.34
4941211	35.2 TX	Harris	HOUSTON CHEMICAL PLANT			HOUSTON	77017	325212	Synthetic Rul		48201 2000 GOODY	29.7	-95.25
6615711	30 TX	Harris	TUBOSCOPE WEST LITTLE YORK COATIN			HOUSTON	77041	339910			48201 12100 W LIT	29.86	-95.58
4940711	29.2 TX	Harris	ELLWOOD TEXAS FORGE			HOUSTON	77045	332111	Iron and Stee		48201 12500 AMELI	29.63	-95.4
4925411	27.38 TX	Harris	HOUSTON FUEL OIL TERMINAL			HOUSTON	77530	493110	General War		48201 16642 JACIN'	29.75	-95.1
15042511	27.2 TX	Harris	MCCORD 1 FACILITY			HOUSTON	77044	211111	Crude Petrol		48201 3.5 M NW OF	29.9	-95.16
13409911	20.45 TX	Harris	TUBULAR PROCESSING SERVICES DIVIS			HOUSTON	77049	331221	Rolled Steel !		48201 9393 SHELDC	29.84	-95.13
4924711	20 TX	Harris	MERISOL GRI Chemical Plant			HOUSTON	77015	325110	Petrochemic		48201 1914 HADEN	29.76	-95.17
14747811	17.7 TX	Harris	HOLMES PLANT			HOUSTON	77051	325211	Plastics Mate		48201 2434 HOLME	29.66	-95.39
4862911	14.18 TX	Harris	HOUSTON PLANT			HOUSTON	77001	325998	All Other Mis		48201 101 CONCRE	29.71	-95.26
6642011	13.2 TX	Harris	HOUSTON PL Food Products Processing			HOUSTON	77003	311920	Coffee and T		48201 3900 HARRIS	29.74	-95.33
15042211	13.15 TX	Harris	FERGED PRODUCTS			HOUSTON	77001	332111	Iron and Stee		48201 6505 N HOU	29.86	-95.48
13381311	9 TX	Harris	SERMATECH POWER SOLUTIONS			HOUSTON	77041	339910			48201 JERSEY VILLA	29.88	-95.59
10989211	8.01 TX	Harris	METRO HELI- Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.61	-95.35
10996211	8.01 TX	Harris	CONOCO Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.61
10999611	8.01 TX	Harris	CHANNEL TW Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.69	-95.52
11053511	8.01 TX	Harris	KTRK TV STA Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.72	-95.42
11109311	8.01 TX	Harris	HEARTHSTOI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.87	-95.63
11122611	8.01 TX	Harris	NW POLICE S Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.53
11266811	8.01 TX	Harris	GELLHORN P Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.26
11543611	8.01 TX	Harris	HOUSTON Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.81	-95.66
11543811	8.01 TX	Harris	HARRIS COUI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.71	-95.47
11550111	8.01 TX	Harris	BEAR CREEK Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.79	-95.63
11562211	8.01 TX	Harris	VETERANS AI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.38
11573111	8.01 TX	Harris	STAR HOUST Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.78	-95.44
11577311	8.01 TX	Harris	DELTA MECH Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.85	-95.4
11579411	8.01 TX	Harris	THE AMERIC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.39
11591711	8.01 TX	Harris	HOUSTON PC Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.65	-95.32
11595711	8.01 TX	Harris	ST LUKES EPI Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.7	-95.38
11608311	8.01 TX	Harris	GOODSON H Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	30	-95.42
11612311	8.01 TX	Harris	KHOU-TV Airport			HOUSTON	0	48811	Airport Oper		48201 Unknown	29.76	-95.38

11627511	8.01 TX	Harris	ALDINE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.92	-95.35
11675911	8.01 TX	Harris	TEX-STAR Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.41
11676011	8.01 TX	Harris	WOODCREEK Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.6
11676311	8.01 TX	Harris	HARRIS COU Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.83	-95.65
11718911	8.01 TX	Harris	HICKORY HO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.92	-95.52
11746411	8.01 TX	Harris	B & S WAREF Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.52
11749011	8.01 TX	Galveston	KEMAH WAT Airport	HOUSTON	0	48811 Airport Oper	48167 Unknown	29.54	-95.01
11765711	8.01 TX	Harris	LIFT CRANE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.63	-95.45
11765811	8.01 TX	Harris	PEARCE INDL Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.65	-95.46
11768011	8.01 TX	Harris	PORTA-KAMI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.79	-95.44
11778411	8.01 TX	Harris	USCG PORT S Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.25
11784411	8.01 TX	Harris	POST OAK CE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.46
11801211	8.01 TX	Harris	BALL PARK Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.67	-95.61
11811711	8.01 TX	Harris	JOHNSON SP Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.56	-95.09
11815711	8.01 TX	Harris	ALLIED NORT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.95	-95.41
11818711	8.01 TX	Harris	MARINE COA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.7	-95.27
11826311	8.01 TX	Harris	GATEWAY HI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.93	-95.33
11841511	8.01 TX	Harris	PAPA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.98	-95.35
11851811	8.01 TX	Harris	TENNECO LA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.47
11854511	8.01 TX	Harris	POLICE HEAC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.76	-95.37
11871511	8.01 TX	Harris	SPL Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.65	-95.42
11881211	8.01 TX	Harris	SW POLICE S Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.68	-95.45
11892511	8.01 TX	Harris	MEMORIAL C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.54
11897711	8.01 TX	Harris	NE POLICE ST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.81	-95.33
11927011	8.01 TX	Harris	PARKVIEW C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.86	-95.4
11929811	8.01 TX	Harris	CHARTER BA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.48
11934111	8.01 TX	Harris	CYPRESS FALL Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.92	-95.58
11944511	8.01 TX	Harris	FIRST CITY FI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
11944611	8.01 TX	Harris	PIN OAK STA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.45
11944711	8.01 TX	Harris	WILSHIRE PL Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.85	-95.5
11944911	8.01 TX	Harris	PALM PETRO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.97	-95.36
11949011	8.01 TX	Harris	GENERAL PLL Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.89	-95.39
11973211	8.01 TX	Harris	POLICE HELIC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.64	-95.27
11980011	8.01 TX	Harris	WEST HOUST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.59
12007511	8.01 TX	Harris	TEXAS COMA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12018611	8.01 TX	Harris	DAILEY INC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.27
12031111	8.01 TX	Harris	KURIO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.8	-95.56
12031311	8.01 TX	Harris	STEEPLECHA Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.92	-95.59
12031411	8.01 TX	Harris	LYNDON B JC Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.81	-95.31
12064511	8.01 TX	Harris	METHODIST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.39
12068511	8.01 TX	Harris	LANDRYS SEJ Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.45
12068911	8.01 TX	Harris	DRV DOWNT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12069011	8.01 TX	Harris	LANDRYS WJ Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.45
12079211	8.01 TX	Harris	CHRISTUS ST Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.36
12080011	8.01 TX	Harris	KRIV FOX 26 Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.44
12090811	8.01 TX	Harris	GRACO MECI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.72	-95.48
12173611	8.01 TX	Harris	ECKELS Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.83	-95.65
12174711	8.01 TX	Harris	EMERGENCY Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12190111	8.01 TX	Harris	ROWAN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.63	-95.28
12191911	8.01 TX	Fort Bend	LIFE FLIGHT/ Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.56	-95.43
12253411	8.01 TX	Harris	LEWIS ELECT Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.71	-95.27
12253511	8.01 TX	Harris	FIRST BANK F Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.5
12253711	8.01 TX	Harris	GWS INC COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.68	-95.4
12254111	8.01 TX	Harris	WESTCHASE Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.54
12254211	8.01 TX	Harris	THE HUNTING Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.74	-95.41
12254711	8.01 TX	Harris	TRANSCO TO Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.73	-95.46
12257011	8.01 TX	Harris	TOWN & COI Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.78	-95.55
12257111	8.01 TX	Harris	GULF TOWEF Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.75	-95.36
12257211	8.01 TX	Harris	SHELL I C Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.69	-95.4
12258211	8.01 TX	Harris	BROWN & R Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.76	-95.32
3689311	7.63 TX	Harris	JACOB STERN Food Products Processing	HOUSTON	77261	311613 Rendering ar	48201 1906 75TH S	29.74	-95.28
6436411	7.3 TX	Harris	OWENS CORNING	HOUSTON	77001	324122 Asphalt Shing	48701 8360 MARKE	29.77	-95.27
6642711	5.29 TX	Harris	ARKEMA INC Chemical Plant	HOUSTON	77001	325110 Petrochemic	48201 2231 HADEN	29.75	-95.17
6680111	5 TX	Harris	Tuboscope A Div Of Varco Plant 3	Houston	77051	325510 Paint and Co	48201 2811 Holmes	29.67	-95.38
4778111	4.2 TX	Harris	OIL TANKING HOUSTON TERMINAL	HOUSTON	77001	493110 General War	48201 15602 JACIN'	29.74	-95.12
12044011	4.1 TX	Brazoria	FLYIN B Airport	HOUSTON	0	48811 Airport Oper	48039 Unknown	29.53	-95.42
13381011	3.82 TX	Harris	OIL TANKING	HOUSTON	77015	486210 Pipeline Tran	48201 15602 JACIN'	29.74	-95.13
4019611	3.8 TX	Harris	NASA LBJ SPACE CENTER	HOUSTON	77095	927110 Space Resear	48201 2101 NASA R	29.55	-95.09
3737111	3.58 TX	Harris	STATION 35 I Compressor station	HOUSTON	77001	486210 Pipeline Tran	48201 12501 VETER	29.96	-95.48
4058511	3.4 TX	Harris	GREENS BAY Chemical Plant	HOUSTON	77001	325180	48201 2239 HADEN	29.76	-95.17
4796011	3.4 PA	Washington	ALLEGHENY I Steel Mill	HOUSTON	15342	331110	42125 ROUTE 519	40.25	-80.2
4778711	3.26 TX	Harris	HOUSTON PL Chemical Plant	HOUSTON	77012	325180	48201 8615 MANCF	29.71	-95.27
4056111	3.13 TX	Harris	REICHHOLD I Plastic, Resin, or Rubber P	HOUSTON	77001	325211 Plastics Mate	48201 1503 HADEN	29.76	-95.18
12432711	2.92 MO	Texas	TEXAS COUN Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.31	-91.96
15626311	2.6 TX	Harris	HOUSTON SHIP CHANNEL FACILITY	HOUSTON	77015	211111 Crude Petrol	48201 12.5 M E OF	29.74	-95.15
7907311	2.43 TX	Harris	BRITTMOORE FACILITY	HOUSTON	77041	333912 Air and Gas C	48201 4444 BRITTM	29.83	-95.56
4167911	2.4 TX	Harris	NASA ELLINGTON FIELD	HOUSTON	77095	488111 Air Traffic Co	48201 2101 NASA P	29.59	-95.16
11197811	1.87 TX	Harris	SKYHAVEN Airport	HOUSTON	0	48811 Airport Oper	48201 Unknown	29.83	-95.14
9100811	1.76 TX	Harris	TEXAS TILE MANUFACTURING	HOUSTON	77007	326199 All Other Pla	48201 1705 N OLIVI	29.77	-95.38
3688611	1.6 TX	Harris	HOCKLEY FACILITY	HOUSTON	77027	488999 All Other Sup	48201 17020 PREM	30.02	-95.86
4925211	1.58 TX	Harris	69TH ST WW Wastewater Treatment Fa	HOUSTON	77026	221320 Sewage Trea	48201 2525 SSGT M	29.75	-95.31
4057811	1.4 TX	Harris	CUSTOM BLAST SERVICES	HOUSTON	77034	339910	48201 2550 GENOA	29.62	-95.15
15626511	1.2 TX	Harris	OSAGE 1 FACILITY	HOUSTON	77004	211111 Crude Petrol	48201 FROM INTX C	29.88	-95.17
16317211	1.2 TX	Harris	SL 108750 1 PRODUCTION FACILITY	HOUSTON	77044	211111 Crude Petrol	48201 LOCATED API	29.88	-95.19

4924911	1.02 TX	Harris	WEST CLEAR Oil or Gas Processing	HOUSTON	77001	211111 Crude Petrol	48201 OFF GENOA I	29.62	-95.11
15050211	1 TX	Harris	MCCORD PRODUCTION FACILITY 2	HOUSTON	77044	211111 Crude Petrol	48201 FROM SHEL	29.91	-95.19
11934811	0.69 TX	Brazoria	HOUSTON AI Airport	HOUSTON	0	48811 Airport Oper	48039 Unknown	29.51	-95.27
4941811	0.65 TX	Harris	SOUTHLINE Fabricated Metal Products	HOUSTON	77001	332439 Other Metal	48201 3777 W 12T	29.79	-95.45
4018811	0.6 TX	Harris	INTERNATIONAL PAINT	HOUSTON	77088	325510 Paint and Co	48201 6001 ANTOIN	29.85	-95.47
14709611	0.44 MO	Texas	FLYING E Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.34	-92.12
12051611	0.44 MO	Texas	PEGASUS RA Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.38	-92.21
12495211	0.44 MO	Texas	TAUS RIVER I Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.42	-91.95
6642811	0.24 TX	Harris	LEELAND BAI Bakeries	HOUSTON	77023	311812 Commercial I	48201 4104 LEELAN	29.73	-95.33
11766111	0.22 AK	Matanuska-S	MORVRO LAI Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.6	-149.78
11625911	0.21 AK	Matanuska-S	REIDS LANDII Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.61	-149.85
4853011	0.2 TX	Fort Bend	HOUSTON PLANT	HOUSTON	77001	325613 Surface Activ	48157 15200 ALMEI	29.58	-95.43
11643711	0.19 AK	Matanuska-S	BLACK SPRUK Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.65	-149.83
16039211	9.40E-02 TX	Harris	ST. LUKES HC Airport	HOUSTON	0	48811 Airport Oper	48201 UNKNOWN	29.99	-95.55
14743711	5.18E-02 TX	Harris	GE II HOUSTON SERVICE CENTER	HOUSTON	77029	444120 Paint and Wi	48201 8800 WALLIS	29.79	-95.27
12010711	4.61E-02 TX	Fort Bend	HAPPY LAND Airport	HOUSTON	0	48811 Airport Oper	48157 Unknown	29.5	-95.9
5823211	4.17E-02 ME	Cumberland	SOUTH PORT Petroleum Storage Facility	HOUSTON	04106-3522	424710 Petroleum B	23005 170 LINCOLN	43.63	-70.23
6614811	1.09E-02 TX	Harris	NCI BUILDING SYSTEMS L P	HOUSTON	77001	332311 Prefabricate	48201 7301 FAIRVI	29.88	-95.59
10980511	5.10E-03 MS	Chickasaw	SHENANDO A Airport	HOUSTON	0	48811 Airport Oper	28017 Unknown	33.8	-89.02
11000111	5.10E-03 AK	Matanuska-S	SATTERBERG Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.65	-149.9
11094911	5.10E-03 MS	Chickasaw	KIMMEL LAN Airport	HOUSTON	0	48811 Airport Oper	28017 Unknown	33.83	-88.92
11623211	5.10E-03 AK	Matanuska-S	GUS LANDIN A Airport	HOUSTON	0	48811 Airport Oper	2170 Unknown	61.6	-149.77
12431411	5.10E-03 MO	Texas	PINEY BEND Airport	HOUSTON	0	48811 Airport Oper	29215 Unknown	37.43	-91.94
16033411	5.10E-03 TX	Val Verde	4M RANCH A Airport	HOUSTON	0	48811 Airport Oper	48465 UNKNOWN	30.02	-101.57
6166011	1.06E-03 MN	Houston	Houston WW Wastewater Treatment Fa	Houston	55943	22132 Sewage Trea	27055 300 N Sherid	43.76	-91.56
6695511	7.52E-04 TX	Harris	NHR FACILITY	HOUSTON	77086	333132 Oil and Gas F	48201 12221 N HOL	29.9	-95.49







EJView Environmental Report



Location:

Study Area:

Sites and Facilities	Count
Air Facility System (AFS)	
Superfund Sites (NPL)	
Toxic Releases (TRI)	
Hazardous Waste (RCRAInfo)	
Water Dischargers (PCS & ICIS)	
Brownfields (ACRES)	
Radiation Information Database (RADInfo)	
Toxic Substances Control Act (TSCA)	

Environmental Concerns	Count
National Water Information System (NWIS) sites	
STORage and RETrieval (STORET) sites	
Impaired Streams	
Impaired Waterbodies	
National Parks	

Places	Count
Schools	
Hospitals	
Worship Places	

Data Note: Detail may not sum to totals due to rounding.

Source: Sites and facilities, EPA Envirofacts; NWIS, USGS; STORET, EPA; impaired streams and waterbodies, EPA NHD Plus; national parks, USGS National Atlas; schools, hospitals, and worship places; USGS GNIS.

CERTIFICATE OF SERVICE

I hereby certify that on June 9, 2014, the foregoing document was filed through the Court's CM/ECF system, which will automatically serve all parties and counsel who are registered users of the CM/ECF system. I further certify that the foregoing document was served by U.S. mail, first-class postage prepaid, on the following:

Robert Geoffrey Dreher
U.S. Department of Justice
Environment & Natural Resources Division
PO Box 23986
L'Enfant Plaza Station
Washington, DC 20026-3986

Respectfully submitted,

/s/ John Suttles

John Suttles
Southern Environmental Law Center
601 West Rosemary Street, Suite 220
Chapel Hill, NC 27516
Telephone: (919) 967-1450
Facsimile: (919) 929-9421
jsuttles@selcnc.org

Counsel for American Lung Association