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Are local chemical releases causing an increase in cancer rates in East Baton Rouge Parish?

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**ARE LOCAL CHEMICAL RELEASES
CAUSING AN INCREASE IN CANCER RATES IN
EAST BATON ROUGE PARISH?**

A Thesis

**Submitted to the Graduate Faculty of the
Louisiana State University and
Agricultural and Mechanical College
In partial fulfillment of the
requirements for the degree of
Master of Science**

in

The Department of Environmental Sciences

**by
India T. Anderson
B.S., Southern University and A&M College
August 2011**

This thesis is dedicated to my uncle, Edward John Searcy and my grandfather Cass Collins Jr. These men were always supportive and proud of all of my educational endeavors. Both of these men passed away before the conclusion of this degree, but this is my way of thanking them for all their love and support over the years.

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TABLE OF CONTENTS

ACKNOWLEDGEMENTS.....	iii
LIST OF TABLES.....	vi
LIST OF FIGURES.....	vii
ABBREVIATIONS.....	viii
ABSTRACT.....	ix
CHAPTER 1: INTRODUCTION AND LITERATURE REVIEW.....	1
1.1. Introduction.....	1
1.2. Volatile Organic Compounds.....	2
1.2.1. Benzene.....	3
1.2.2. Chlorinated Dibenzo-P-Dioxins.....	6
1.2.3. Formaldehyde.....	7
1.2.4. Xylene.....	8
1.3. Cancer.....	9
1.3.1. Leukemia.....	11
1.3.2. Lymphoma.....	12
1.3.3. Lung Cancer.....	13
1.3.4. Sarcoma.....	14
1.3.5. Nasopharyngeal Cancer.....	14
1.4. Summary.....	15
CHAPTER 2: DATA COLLECTION	18
2.1. Chemical Release Data Collection.....	18
2.2. Cancer Data Collection.....	18
2.3. Data Compilation.....	20
CHAPTER 3: RESULTS.....	29
3.1. Stata.....	29
3.2. Statistical Analysis.....	30
CHAPTER 4: DISCUSSION AND FUTURE RESEARCH.....	42
4.1. Discussion.....	42

4.2 Future Research.....	44
BIBLIOGRAPHY.....	45
APPENDIX A: TRI CHEMICAL RELEASE DATA FOR ALL PARISHES IN LOUISIANA FROM 1988 TO 2009.....	47
APPENDIX B: SEER CANCER DATA FOR ALL PARISHES IN LOUISIANA FROM 2000-2008.....	94
APPENDIX C: RAW RESULT TABLES FROM 5 AND 7 YEAR LAGGED DATA.....	133
APPENDIX D: EAST BATON ROUGE CHEMICAL RELEASES GRAPHED WITH CANCER DATA.....	138
VITA.....	142

LIST OF TABLES

1. TABLE 1: Releases to the Environment from Facilities that Produce, Process, or Use Benzene.....	5
2. TABLE 2: Generalized Least Square Estimates for 10 Year Lagged Model of Nasopharynx Cancer in Louisiana Parishes 2000-2008.....	31
3. TABLE 3: Generalized Least Square Estimates for 10 Year Lagged Model of Non Hodgkin Lymphoma in Louisiana Parishes 2000-2008.....	32
4. TABLE 4: Generalized Least Square Estimates for 10 Year Lagged Model of Leukemia in Louisiana Parishes 2000-2008.....	32
5. TABLE 5: Generalized Least Square Estimates for 10 Year Lagged Model of Soft Tissue Sarcomas in Louisiana Parishes 2000-2008.....	33
6. TABLE 6: Generalized Least Square Estimates for 10 Year Lagged Model of Lung and Bronchus Cancer in Louisiana Parishes 2000-200.....	33
7. TABLE 7: Generalized Least Square Estimates for 10 Year Lagged Model of Colorectal Cancer in Louisiana Parishes 2000-2008.....	34
8. TABLE 8: Overview of Results.....	40

LIST OF FIGURES

1. Figure 1: East Baton Rouge Chemical Plant Map.....	16
2. Figure 2: SeerStat Software which was used to create cancer data for East Baton Rouge Parish- This shows a data query for Oral Cavity and Pharynx Cancer in each Parish in Louisiana from 2000 to 2007.....	20
3. Figure 3: East Baton Rouge Total On-Site Air Emissions: Benzene.....	21
4. Figure 4: East Baton Rouge Total On-Site Air Emissions: Dioxin.....	22
5. Figure 5: East Baton Rouge Parish Total On-Site Air Emissions: Formaldehyde.....	23
6. Figure 6: East Baton Rouge Parish Total On-Site Air Emissions: Xylene.....	24
7. Figure 7: Total On-Site Air Emissions in East Baton Rouge Parish.....	25
8. Figure 8: Leukemia Incidence Rates in East Baton Rouge Parish.....	26
9. Figure 9: Lung and Bronchus Incidence Rates in East Baton Rouge Parish.....	27
10. Figure 10: Non Hodgkin Lymphoma Rates In East Baton Rouge Parish.....	28
11. Figure 11. Formaldehyde Releases graphed with Non Hodgkin Lymphoma Rates in East Baton Rouge Parish from 1988 to 2009.....	37
12. Figure 12: 8 Year Time Lagged Formaldehyde Releases graphed with Non Hodgkin Lymphoma Incidence Rates from 1988 to 2009.....	38
13. Figure 13: Formaldehyde Releases and Leukemia Incidence Rates in East Baton Rouge Parish from 1988 to 2009.....	38
14. Figure 14: 8 year lagged Formaldehyde Releases and Leukemia Rates in East Baton Rouge Parish from 1988 to 2009.....	39

ABBREVIATIONS

ACS- American Cancer Society
AIDS- Acquired Immune Deficiency Syndrome
AML- Acute Myeloid Leukemia
CDC- Center for Disease Control and Prevention
CDDs- Chlorinated Dibenzo-P-Dioxins
EPA- Environmental Protection Agency
HIV- Human Immunodeficiency Virus
NCI- National Cancer Institute
NIH- National Institute of Health
NPCR- National Program of Cancer Registries
POPs- Persistent Organic Pollutants
SEER- Surveillance Epidemiology and End Results
TCDD- 2,3,7,8-tetrachlorodibenzo-p-dioxin
TRI- Toxic Release Inventory
USCS- United States Cancer Statistics
VOCs- Volatile Organic Compounds

ABSTRACT

Environmental pollution has become a steadily growing problem in today's society. East Baton Rouge alone has 13 chemical plants in the parish. The goal of this research is to find out if the chemical releases in the parish are having an effect on the cancer rates in East Baton Rouge Parish. I gathered data from all 64 parishes in Louisiana. The four chemicals I chose to study specifically, Benzene, Dioxin, Formaldehyde, and Xylene. Chemical release data was taken from the Toxic Release Inventory (TRI) website and software from the years 1988 to 2009, which was the last reporting year. The cancers I chose to study were Nasopharynx, Non Hodgkin Lymphoma, Leukemia, Lung and bronchus Cancer, and Soft Tissue Sarcomas. The cancer data was taken from the Surveillance Epidemiology and End Results (SEER) program's software called SEERStat. Those data range from 1995 to 2009. I estimated a time lag of 10 years. Stata was used for the statistical analysis. I found that there is evidence that the chemical releases across the state have an effect on the cancer rates especially dioxin and formaldehyde. There were not enough cancer observations in East Baton Rouge parish to perform the analysis by parish and statistically say that chemicals in East Baton Rouge parish are having an effect on the cancer rates.

CHAPTER 1: INTRODUCTION AND LITERATURE REVIEW

1.1 Introduction

Recently, Baton Rouge, Louisiana was listed number 5 on the Forbes top 10 most toxic cities. I believe that Baton Rouge has been in nonattainment for ozone on numerous occasions and this fact is almost solely based on the yearly releases from the chemical plants in the area (Brennan 2011). As of 2009, East Baton Rouge parish had 23 chemical plants which reported their releases to Toxic Release Inventory with a total of 11.9 million pounds on site and other releases. These releases include chemicals such as methanol, styrene, dioxin, benzene, toluene, xylene, and many more. These are all hazardous anthropogenic substances released by industry in the manufacturing of other chemicals and materials that we use every day including Styrofoam. This thesis will address the issue of environmental pollution as it relates to the cancer rates in East Baton Rouge parish and how this parish compares to other parishes in Louisiana.

Environmental Pollution is anything that can potentially cause harm to the environment directly or indirectly. The two major types of environmental pollutants are natural and anthropogenic or manmade. Natural pollutants stem from natural events that we cannot control in the environment like forest fires and volcanic eruptions. Anthropogenic pollutants are those that are caused by manmade entities such as power plants, transportation, fossil fuel extraction, industrial combustion and production processes. All of these processes release the majority of pollutants found in the air namely Sulfur Dioxides, Nitrogen Oxides, Carbon Monoxide, Persistent organic pollutants (POPs), and toxic volatile organic compounds.

1.2 Volatile Organic Compounds

Toxic volatile organic compounds (VOCs) are carbon-based compounds that participate in photochemical reactions induced by sunlight in the atmosphere. Carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate are excluded from this list as these compounds are by EPA with negligible photochemical reactivity (EPA 2010). As the name implies, VOCs are volatile compounds. Volatility is a measure of how readily a substance is vaporized. The general rule is the lower the boiling point and the higher the vapor pressure, the higher the volatility of the substance.

Other properties of VOCs vary by the number of carbons and the covalent bonding in the compound, the number and location of the halogen atoms, and the number, location, and type of alkyl groups (Lawrence 2006). One of the notable properties of VOCs is their ability to evaporate under normal temperature and pressure, which is defined as the conditions that people are exposed to every day. These temperatures range from 30°F to 90°F and pressure ranges from sea level to mountain elevations.

VOCs are a major pollution problem and health hazard for communities living and/or working near landfills, industrial complexes, or even buried gasoline storage tanks due to leakage. VOCs are released into the environment primarily during the manufacture of other products, burning fuels, solvents, paints, and glues. When combined with nitrogen and sulfur oxides it forms smog, which is a type of air pollution

that forms secondary chemical pollutants due to photochemical reactions. These agents readily move into the ambient breathable air and often into water supplies. Many VOC pollutants offer significant toxicity to exposed humans and chronic, low dose exposures can lead to significant latent diseases such as cancer. Four prominent VOC pollutants will be the focus of this project, namely benzene, dioxin and dioxin like chemicals, formaldehyde and xylenes.

1.2.1. Benzene

Benzol, more commonly known as Benzene is a colorless substance with a sweet smell. It was first found in tar in the early 1800s, but now it is most commonly made from petroleum (Wilbur 2007). It is usually found in liquid form, but is also found in the atmosphere in the gaseous phase. Once Benzene is released into the air, it can combine with other chemicals and break down over a period of a few days or it can be deposited onto the ground by weathering. Benzene is released naturally from volcanic eruptions and forest fires but it is also found in cigarette smoke, gasoline, and crude oil. Anthropogenic sources, specifically industrial sources, are the major source of the release of benzene into the environment. These sources include manufacturing of styrene, rubber products, pesticides, and detergents. Because of the popularity of these products, by 1996, Benzene was recognized as one of the top 20 chemicals produced in the United States (Wilbur 2007).

Benzene is found in our air, foods, and even water. Background concentrations of Benzene caused by natural events usually range from 0.3 to 50 $\mu\text{g}/\text{m}^3$. Ambient levels, caused mainly by automobile emissions can range from 5 to 112 $\mu\text{g}/\text{m}^3$ (IARC

1982). Cigarette smoke has been recognized as a source of Benzene. It has a more pronounced effect on indoor air quality than outdoor air quality. In a study done by Wallace et al. (1987), the weighted median Benzene levels were between 9.8 and $16\mu\text{m}^3$ indoors and 0.4 to $7.2\ \mu\text{g}/\text{m}^3$. Chemical plants are responsible for levels up to $179\ \mu\text{g}/\text{liter}$ of Benzene in chemical plant effluent (IARC 1982). The highest Benzene level found in groundwater in the United States was $80\mu\text{g}/\text{liter}$ (EPA 1987). So, individuals who live near hazardous waste sites or near leaking underground fuel storage tanks may be exposed easily to contaminated groundwater (Wilbur et al. 2007). Benzene is also found in foods. The highest levels were found in eggs at 500-1900 $\mu\text{g}/\text{kg}$ but it is also found at lower levels in rum, beef, and canned beef (Wilbur et al. 2007).

The abbreviated table (below) taken from the Toxic Release Inventory shows that as of 2004, Louisiana ranked second in the United States for total release of benzene. Texas was the only state that had a higher release of this toxic pollutant. More importantly, the EPA has listed benzene as a hazardous air pollutant, hazardous waste, and a human carcinogen (Wilbur et al. 2007). Benzene presence in so many widely used products can be very harmful to our health. Low level exposures have been shown to cause drowsiness, dizziness, rapid heart rate, confusion, and unconsciousness. Less than ten minutes of exposure to between ten and twenty parts per million of benzene can potentially cause death (Wilbur et al. 2007).

Inhalation exposure can cause gastrointestinal difficulties, myelofibrosis, myalgia, neurological and renal effects. Benzene is also classified as a hematotoxin, which

Table 1- Releases to the Environment from Facilities that Produce, Process, or Use Benzene

State	RF	Air	water	UI	other	On-site	Off-site	On-and off-site
AK	7	19568	19	0	0	19962	0	19962
AL	15	290660	290	0	2	290955	277	291232
AR	8	33137	66	0	0	33203	0	33203
AZ	13	4910	0	0	0	4015	4	4019
CA	65	57611	129	228	598	57970	1888	59858
CO	11	19630	0	0	36	19630	46	19676
CT	9	2552	2	0	2	2554	2	2556
DE	5	3425	6006	0	0	9431	26	9457
FL	26	396187	41	0	157	396228	157	396385
GA	15	36893	128	0	0	37026	4	37030
GU	3	7106	1	0	401	7107	401	7508
HI	9	11171	30	0	0	11201	12	11213
IA	14	42671	1	0	0	42672	0	42672
ID	2	1732	No data	0	0	1732	0	1732
IL	35	171104	102	0	104	172227	1235	173462
IN	30	211476	805	14001	29	227079	3886	230965
KS	19	69823	164	231	0	70226	251	70477
KY	22	77345	799	0	20	78904	26	78930
LA	62	605128	1075	122723	968	729109	2473	731582
SD	11	272	1	0	0	273	0	273
TN	17	73926	63	0	0	73989	280	74269
TX	150	2681863	621	298595	1713	2935539	55579	2991118
UT	11	31314	750	0	233	32069	1038	33107
VA	17	183748	787	0	0	184535	26	184561
VI	3	20576	0	0	0	20576	9	20585
WA	18	50667	14	0	48	50770	54	50824
WI	14	141183	0	0	63	141183	314	141497
WV	5	76556	284	0	0	76840	393	77233
WY	7	24986	0	0	0	24986	1	24987

means it can cause blood abnormalities. These effects in the blood range from anemia to cancer of the blood, primarily leukemia and lymphoma. Benzene is well known as a leukemogen.

1.2.2. Chlorinated Dibenzo-P-Dioxins

Chlorinated dibenzo-p-dioxins (CDDs) are a family of dioxin-like compounds called polychlorinated dioxins. In their natural form, CDDs are colorless solids with an unknown odor. CDDs are released naturally by incomplete combustion in volcanic eruptions and burning organic materials. Dioxin is a term used for hundreds of different chemicals, which exist in the environment. The most famous and most potent of these is 2,3,7,8-tetrachlorodibenzo-*p*-dioxin or TCDD. It is released into the environment from burning waste and natural sources such as volcanic eruptions or forest fires. Anthropogenic sources are paper mills, manufacturing of organic chemicals, and vehicle exhaust (Pohl et al. 1998).

When CDDs enter the body through inhalation, they travel through the lungs and are absorbed into the bloodstream. Due to their high lipid solubility, CDDs have a long biological half-life and are inclined to bioaccumulate. Specifically, TCDD takes seven to twelve years to leave the body. From anthropogenic sources such as municipal incinerators, power plants, and petroleum refining a mixture of dioxin-like chemicals are released including TCDD, PeCDD, HxCDD, HpCDD, and OCDD (Pohl et al. 1988). The ATSDR Toxicological Profile for CDDs explains that individuals who live near sites where CDDs are produced or disposed of, former production or disposal sites could be receiving higher levels than the normal amount of exposure (Pohl et al. 1998).

People exposed to larger than average amounts of TCDD were most often cited with liver disease and chloracne. Chloracne is an acne-like eruption of the skin. It is usually found on the face and upper body and sometimes takes years to heal. As early as 1994, dioxin was labeled as a serious public health threat by the EPA; but it was not known to be a cancer hazard until 1997 (Eaton et al. 2006). In severe, chronic cases CDDs are known to cause elevated numbers of soft tissue sarcomas, leukemia, non-Hodgkin's lymphoma, and lung cancers. It is extremely hard to measure the carcinogenic effects of TCDD in humans since patients may have been exposed to other carcinogens as well as TCDD. Although evidence in case control studies is not strong, many of the studies performed show significant increases in the risks of soft tissue sarcoma malignant lymphomas, and respiratory cancers (Kogevinas et al.1997).

1.2.1. Formaldehyde

Formaldehyde is a colorless gas with a very distinct odor. The main source of formaldehyde emissions is combustion, such as power plants, incinerators, and wood stoves. Major anthropogenic sources of formaldehyde in the atmosphere are smog and vehicle exhaust. It is also found in household products such as antiseptics, medicine, cosmetics, and glues (Wilbur et al. 1999). Formaldehyde is produced naturally in our bodies to help our metabolism, but the quantities and concentrations never reach toxic levels in our cells. It is easily broken down by body tissue and excreted through urine. When formaldehyde is inhaled, the vapors are absorbed by the respiratory tract and found in the blood (Wilbur 1999). Its plasma half-life, as demonstrated in monkeys, is about 1.5 minutes after intravenous injection (Wilbur et al. 1999).

Formaldehyde has a number of different effects. At low levels, formaldehyde can irritate the tissues of the eyes, nose, and throat area, also known as the nasopharynx. In large doses, formaldehyde has been shown to produce cancer of the bone marrow (leukemia), mouth, lung, and central nervous system and the nasopharynx (Wilbur et al. 1999). For the purposes of this study, I will focus on cancers of the head and neck. The fact that formaldehyde does cause cancer is significant because in 1996 it was put on the EPA National Priorities List. In 1998, Louisiana alone was responsible for more than a third of all the formaldehyde released into the environment in the United States (over 8 million pounds out of 21 million pounds total) (Wilbur et al. 1999). It is possible that formaldehyde plays a very important etiological role in a number of the cancer cases in areas of high chemical releases.

1.2.4. Xylene

Xylene is a synthetic chemical, most commonly found in the form of a colorless liquid. It is a component of crude oil, but is also formed naturally during forest fires. It is used most frequently in printing, rubber materials, and varnishes and released through industrial sources and automobile exhaust (Fay et al. 2007). Since automobile exhaust is a major source of Xylene in the environment, the amount of Xylene in the atmosphere is directly related to urbanization. According to the Toxic Release Inventory (TRI), 34.8 million pounds of xylenes were released into the atmosphere in 2004.

When Xylene is released into the air, it is broken down by sunlight. However, xylenes are also transformed in the troposphere by hydroxyl radicals. Xylenes are also absorbed onto particulates in water and can remain in groundwater for months before

being broken down (Fay et al. 2007). Air and water are potential xylene exposure pathways for people living near industrial or waste disposal sites. Individuals are also exposed to xylene from chemical spills, paints, cigarette smoke, varnish, and contaminated food or water.

Xylene is lipid soluble and is absorbed easily in our blood and systemic circulation. Four to 10 percent of what is inhaled is distributed and accumulated in the adipose tissue. Background levels of Xylene in 1977 were 13, 21, and 9.2ng/m³ in the North Atlantic (Eichmann et al. 1979). Although these levels have not been shown to be harmful, the effects of acute exposure include eye irritation, sore throat, and neurological effects. Average daily intake for the general population ranges from 0.3 to 8.6 µg/kg/day from inhalation. About 95% of Xylene is biotransformed within the body and eliminated through urine and the remaining is exhaled through the breath (Fay et al. 2007). Populations living near chemical waste sites where Xylene is present may be exposed chronically through inhalation.

1.3 Cancer

Cancer is classified as an environmental disease brought on by carcinogenesis. Carcinogenesis is the induction of cancer due to chemical or physical carcinogens (Wilson 2011). Specifically, environmental carcinogenesis is the induction of cancer by exposure to carcinogenic agents, natural or manmade chemicals. But this process is a very long one so it makes it difficult to pinpoint one specific cause (Wilson 2011). This is one of the reasons that cancer is such a complex disease. People can be exposed to any number of carcinogenic substances on a regular basis such as aflatoxin, asbestos,

tobacco smoke, alcohol, and even UV light (Wilson PPT 2011). The first principle of toxicology is that the dose makes the poison. Depending on the amount of the exposure and how often people are exposed will determine how much time there will be between the exposure and the development of this disease (Wilson 2011)

Cancer begins at the cellular level. Regular cells grow, form new cells, and die. But sometimes this process does not always work normally. Cancerous cells are cells that do not do their jobs, do not stop growing, and do not die when they should (Wilson 2011). So, the cells do not obey the rules of normal tissue growth and maintenance begin to grow into masses called tumors whose main goal is to reproduce (Weinberg 2007). Tumors are classified as benign or malignant (NIH 2006). Benign tumors usually can be removed and do not spread quickly to nearby tissues. Malignant tumors can also be removed, but sometimes grow back, they can easily spread and are usually more serious than benign tumors (NIH 2006).

As tumors spread, they create metastases which are new colonies of cancer cells which arise in other parts of the body. 90 percent of metastases are responsible for deaths from cancer (Weinberg 2007). The majority of tumors begin in the cells that line the walls of cavities or the outer skin cells; this is known as the epithelia. Cancers that originate in the epithelial cells are carcinomas (Weinberg 2007). The two major types of carcinomas are squamous cell and adenocarcinomas. Squamous cell carcinomas form a protective channel for the inner cell population and adenocarcinomas secrete a protective cell layer in the channels they surround (Weinberg 2007).

The other major type of cancer is nonepithelial, which does not originate in the epithelial cells. This category includes sarcomas, fibroblasts, osteoblasts, and myocytes all of which originate in the middle layer of embryos (Weinberg 2007). Another group of nonepithelial carcinomas are those that are formed in blood forming tissues. These include Leukemia and Lymphomas. Leukemia is cancer of the white blood cells while lymphomas begin in B and T lymphocytes (Weinberg 2007). For this thesis I will explore the effects of chemical releases on Leukemia, Non Hodgkin Lymphoma, Soft Tissue Sarcoma, Lung Cancer, and Nasopharyngeal Cancer.

1.3.1 Leukemia

Leukemia is a disease that forms in blood forming tissues. Normal blood cells form from stem cells found in the bone marrow. These stem cells form white blood cells, red blood cells and platelets. White blood cells control our ability to fight off infections. The different types of white blood cells are myeloid stem cells and lymphoid stem cells (NIH 2008). As these cells grow and die, the body replaces them naturally. With leukemia, the white blood cells grow abnormally, do not mature properly and may not die when they should. Because of this, these cells take over the white blood cell population, red blood cells, and platelets. The tumor cells do not perform the functions of the normal white blood cell and thus render the patient with limited immunity and interfere with the normal physiological functions of the blood.

Myeloid and lymphocytic leukemia are cancers of the myeloid and lymphoid cells respectively (NIH 2008). Leukemia is usually classified as acute and chronic. Acute leukemia worsens very quickly because the escalating number of leukemia cells cannot

do the work of the normal white blood cells. Acute leukemia by definition provides the prognosis of survival of less than one year from diagnosis, while chronic leukemia suggests survival of longer than one year (NIH 2008). Chronic leukemia differs from acute leukemia in that it does not manifest itself right away. The leukemia cells can do some of the functions of white blood cells in the beginning, but slowly gets worse and begins to cause symptoms such as swollen lymph nodes. Benzene, Toluene, and Xylene are all known to cause leukemia (NIH 2008). Benzene specifically causes Acute Myeloid Leukemia (AML).

1.3.2 Lymphoma

Lymphoma is a cancer that is focused on the lymphatic system. The lymphatic system consists of the lymph vessels, which branch to tissues in the body. Those lymph vessels carry the lymph, which is a fluid involved in dispersing white blood cells, B cells and T cells throughout the body (NIH 2007). Lymph nodes are balls of tissue that store the white blood cells while trapping and removing bacteria in the lymph. They are typically found in the neck, underarms, chest, and abdomen, but are also scattered throughout the body.

Non Hodgkin Lymphoma deals with abnormal T or B cells, although B cells are the most commonly affected. Abnormal B cells multiply at a faster than normal rate. The nature of lymphoma is that the cells do not die as they normally should. More and more abnormal B cells buildup and begin to form tissue masses called solid tumor masses (NIH 2007). Risk factors for developing Non-Hodgkin's Lymphoma are a

weakened immune system, certain types of infections and age. Patients living with HIV, the virus that causes AIDS, are much more likely to develop Non Hodgkin Lymphoma.

There are several types of Non Hodgkin lymphoma, but the most common types are diffuse large B-cell lymphoma and follicular lymphoma. They are classified by how quickly they will grow or spread. Indolent lymphomas grow slowly but aggressive lymphomas grow and spread quickly while causing severe symptoms (NIH 2007). Though the two types of lymphoma are different, over time indolent lymphomas can develop into aggressive lymphomas.

1.3.3 Lung Cancer

Lung cancer begins when cancerous cells buildup in the lungs. The buildup forms a mass of tissue that is known as a tumor. These tumors can be benign and stay where they begin, or they can be malignant where they can spread through the body by invasive growth and by metastasizing, breaking away from the original tumor and traveling through the lymph or blood vessels to implant in other distant tissues (NIH 2007). They attach to other organs and form new tumors. There are two major types of lung cancer, small cell (also called oat cell) and non-small cell cancer. Small cell lung cancer typically spreads faster than non-small cell lung cancer. Non-small cell lung cancer encompasses squamous cell carcinoma, adenocarcinoma, bronchioalveolar carcinoma, and large cell (undifferentiated) carcinoma.

The most widely -known lung carcinogen is tobacco smoke, but lung cancer can also be caused by asbestos, arsenic, nickel, air pollution from industry and automobile exhaust (NCI 2007). Even family history of lung cancer could put a person at a higher

risk for developing this type of cancer. Manz et al. (1991) describes the increase in risk of lung cancer from exposure to Dioxin in Germany.

1.3.4 Sarcoma

Sarcoma is an uncommon type of cancer that develops in bone, muscle and connective tissues. Soft tissue sarcoma develops in fat, muscle, nerves, fibrous tissues, blood vessels, or deep skin tissues (ACS 2010). Lipomas, lipoblastomas and hibernomas are benign fat tissue tumors. Liposarcomas are malignant fat tissue tumors. Liposarcomas usually occur in adults between 50 and 65 years old and are found behind the knee, in the thigh, or in the back of the abdomen. Beginning in one single abnormal cell like most tumors, sarcomas have limited space to grow and do not spread through the bloodstream.

The known risk factors of soft tissue sarcomas are exposure to radiation, genetic disease syndromes, damage to the lymphatic system, chemical exposure, and other injury (ACS 2010). Chemical exposure to dioxin is what we will focus on in relation to incidences of sarcoma in East Baton Rouge Parish. Scientists do not know for sure what causes soft tissue sarcomas, but they have begun to understand how DNA can turn normal cells into cancerous cells. In 2010 The American Cancer Society estimated that 10,520 new cases of soft tissue sarcomas would be diagnosed (American Chemical Society 2010).

1.3.5 Nasopharyngeal Cancer

The nasopharynx is located behind the nose and at the upper part of the throat. Nasopharyngeal cancer stems from epithelial cells on the surface of the nasopharynx

(Brennan 2006). Although this type of cancer is not very common, it is the most common epithelial cancer found in adults. They are more common in men than in women (Bhattacharyya 2002). Nasopharyngeal cancer begins in the lateral wall and is then able to extend to the nasal cavity or the palate. The nasal cavity runs on the top of the palate and separates the nose from the mouth. It is used to filter and humidify the air you breathe. The cells that makeup the nasal cavity begin to grow irregularly and form tumors. The most common types are squamous cell carcinomas followed by adenocarcinomas (ACS 2010).

Today, nasopharyngeal cancer is fairly uncommon in North America with 7 out of every million people developing it (ACS 2010). Formaldehyde is the chemical most frequently associated with this type of cancer. Risk factors of nasopharyngeal cancer are gender, race, diet, genetics, and family history. Scientists are not sure of the exact causes of nasopharyngeal cancer, but they have been able to link it with the risk factors listed above.

1.4 Summary

Benzene, Formaldehyde, Dioxin, and Xylene are all known carcinogens and there are at least 13 chemical plants in East Baton Rouge Parish that release these chemicals (Figure 1). These toxic releases may be responsible for a significant number cancer cases in East Baton Rouge Parish. The purpose of this thesis research is to determine if there exists a correlation between high chemical releases from chemical plants and high cancer rates in East Baton Rouge and the entire state of Louisiana.

There have been studies to determine if these chemicals directly cause cancer, but none specifically in East Baton Rouge Parish or statewide.

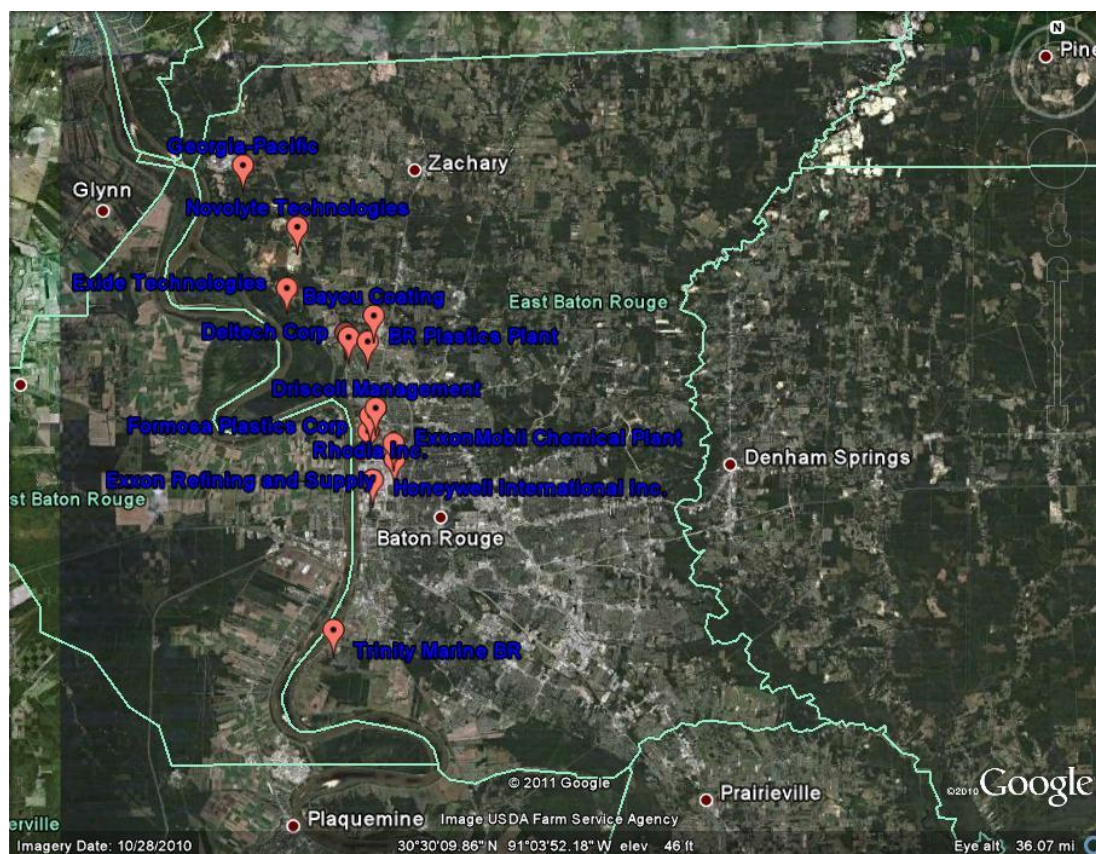


Figure 1- East Baton Rouge Chemical Plant Map

Previous studies on cancer in parts of Louisiana have made our state famous for the number of cancer cases. In the late 1980s, when several people living along the Mississippi River between Baton Rouge and New Orleans were diagnosed with cancer, the area became known as “Cancer Alley”. This area contains 40% of the chemical plants that report to the TRI and 64% of Louisiana’s chemical releases (Perlin et al. 1999). As of 2009 the US Census Bureau estimates the total population of East Baton

Rouge parish to be 443,342. The makeup was about 52 percent white and 44 percent black and 13% of all families lived below the poverty levels.

CHAPTER 2: DATA COLLECTION

2.1 Chemical Release Data Collection

Chemical release data was taken from the Toxic Release Inventory (TRI), which is an organization that chemical plants must report their releases to each year. TRI Explorer is tool which is used to generate reports specifically for individual needs. The data is available by chemical industry, geography, facility, federal facility, and trends (EPA 2011). With this tool I was able to get information on releases in all parishes which reported to TRI for Benzene, Dioxin, Formaldehyde, and Xylene from each chemical plant from 1988 to 2009. I was also able to create a trend graphs for the same years for each chemical except Dioxin, which I was only able to trace back to 2000. Data from every parish in Louisiana was necessary to provide enough information for a statistically sound study.

2.2 Cancer Data Collection

The Cancer data was taken from the State Cancer Profiles website <http://statecancerprofiles.cancer.gov>, which is funded by the National Cancer Institute (NCI) and the Center for Disease Control and Prevention (CDC). This data included incidence rates by parish, race, and type of cancer from 2003 to 2007. This data was helpful because I could compare East Baton Rouge to other parishes in the state, in order to determine if the cancer rates were similar, above or below average. Also, this data gave information about the overall state and country rates.

The United States Cancer Statistics (USCS) is a division of CDC under the National Program of Cancer Registries (NPCR)

(<http://www.cdc.gov/Features/CancerStatistics/>). It provided information from 1999 to 2007 on the incidence rates on top ten cancers for each year by race. I was also able to find state versus national incidence rates for the top ten cancer sites. Lung and Bronchus, Non-Hodgkin Lymphoma, Oral Cavity and Pharynx, and Leukemia were all ranked in the top ten cancers at one point or another. The rate of Lung and Bronchus cancer for the state of Louisiana was usually higher than the national rate.

The Surveillance Epidemiology and End Results (SEER) program is a significant source for information on cancer incidence, prevalence, and survival (<http://seer.cancer.gov/>). It is also a division of NCI. From this source I was able to find basic cancer statistics for Nasopharynx, Soft Tissue, Non-Hodgkin Lymphoma, Rectal Cancer and Leukemia at the parish level from 2003 to 2008. In addition to that, SEER also offers downloadable software called SEERStat (<http://seer.cancer.gov/seerstat/>). With SEERStat I was able to create frequency tables and incidence rate tables organized by race, year and type of cancer for East Baton Rouge Parish from 2000 to 2008 (Figure 2). I was also able to get case listings for each type of cancer patient ID numbers, and age at diagnosis. I also used SEERStat to obtain data on colon and rectal cancers to compare with other cancer rates during the same time period.

The Louisiana Tumor Registry is an organization, which describes the cancer burden in Louisiana with high quality data and statistics (<http://publichealth.lsuhscc.edu/tumorregistry/>). This registry provided me with parish, state, and United States incidence rates by race.

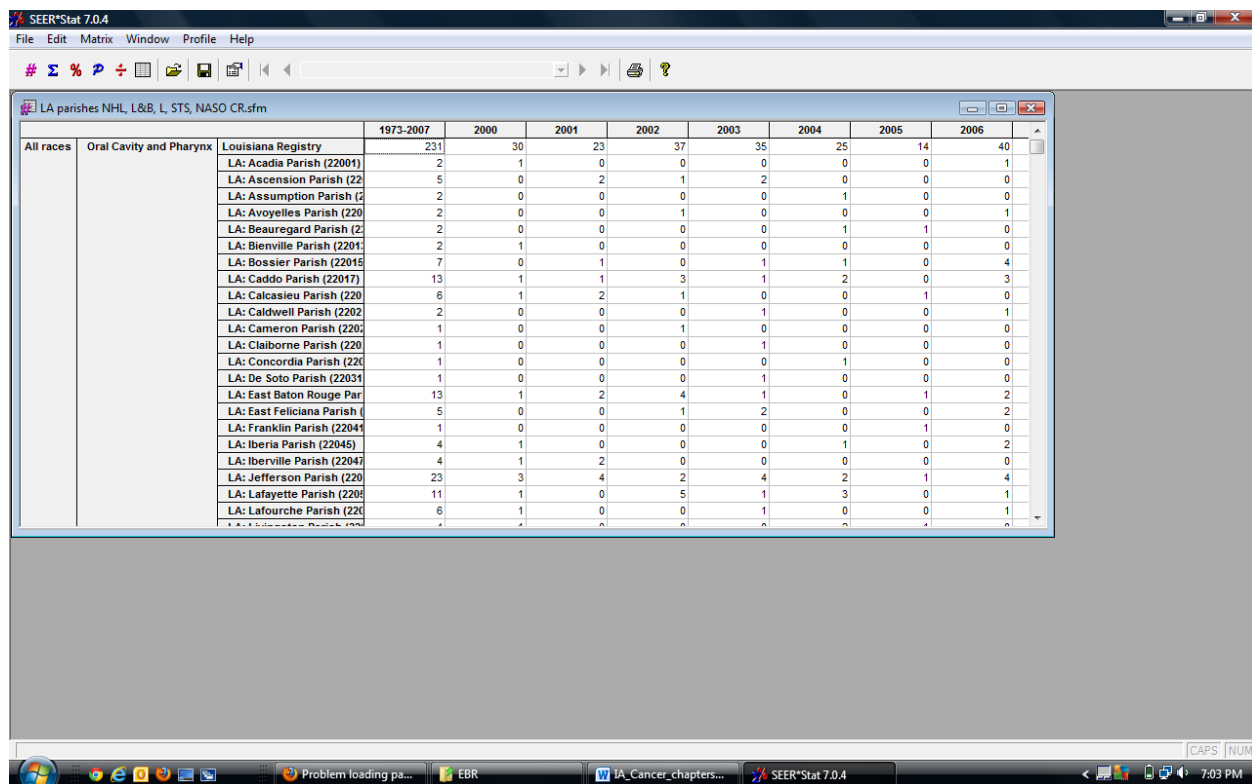


Figure 2- SeerStat Software which was used to create cancer data for East Baton Rouge Parish- This shows a data query for Oral Cavity and Pharynx Cancer in each Parish in Louisiana from 2000 to 2007

I was also able to get incidence rates in East Baton Rouge Parish from 1995 to 2008 for Non-Hodgkin Lymphoma, Lung and Bronchus, Leukemia, and Nasopharynx cancer by race. All of these data will be used in the comparison of cancer rates to chemical releases in East Baton Rouge Parish.

2.3 Data Compilation

The TRI release data for East Baton Rouge Parish for the years 1988 to 2009 was compiled in Excel, and graphs were created for the releases for Benzene, Formaldehyde, Dioxin and Xylene (Figures 3 through 6).

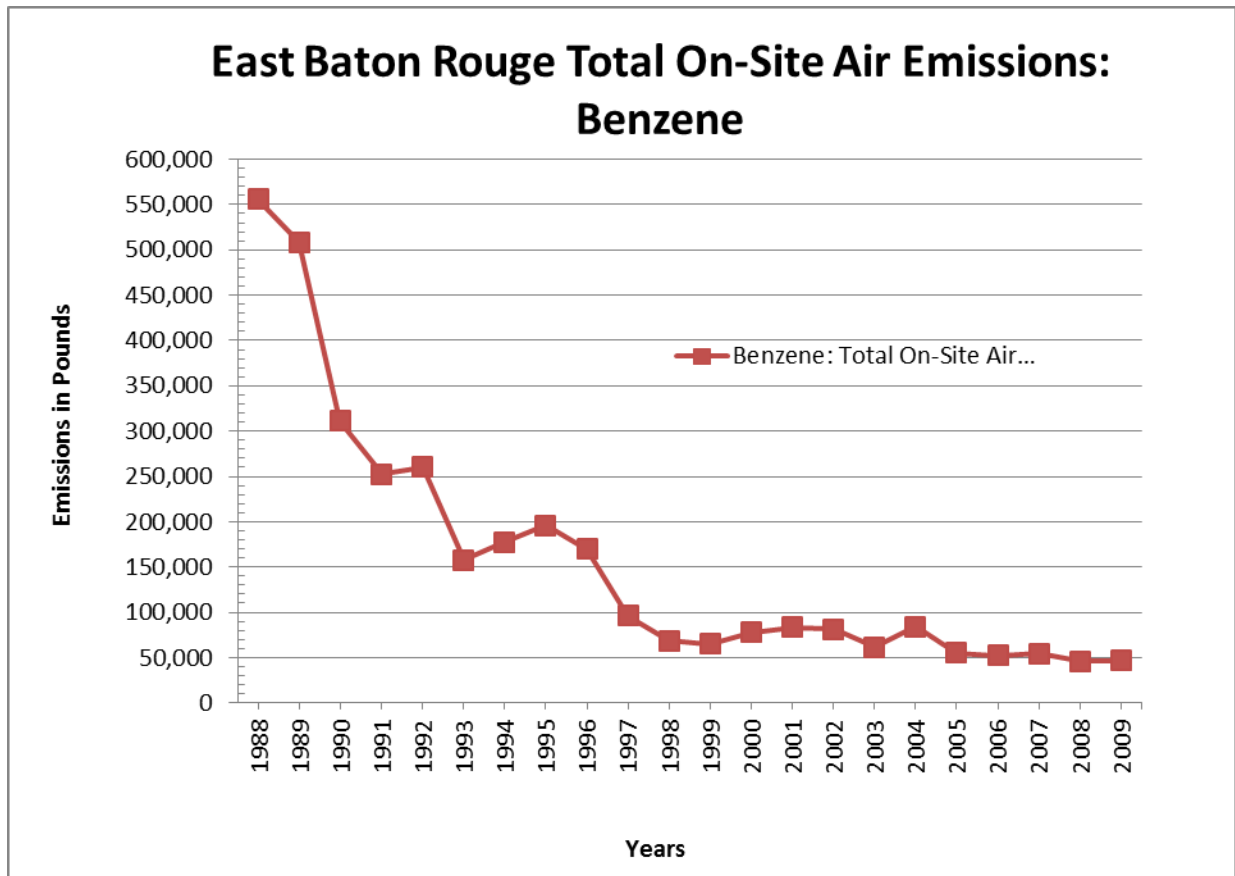


Figure 3- East Baton Rouge Total On-Site Air Emissions: Benzene

In figures 3, 4, 5, and 6, the emissions were highest in the late 1980s and early 1990s and began to decrease soon after. As of 2009 the graph shows a slight increase in emissions. Figure 7 below shows the trend of all chemicals in East Baton Rouge Parish from 1996 to 2009. In this graph there is peak in 2000 and an evident increase of chemical releases from 2006 to 2009.

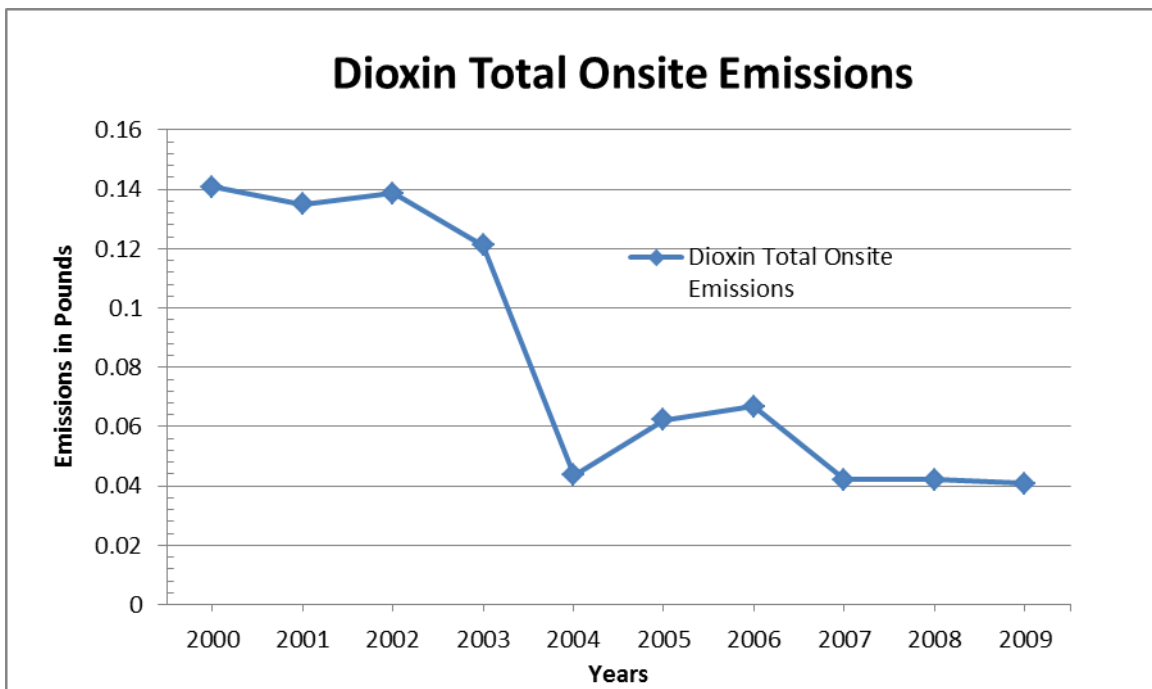


Figure 4- East Baton Rouge Total On-Site Air Emissions: Dioxin

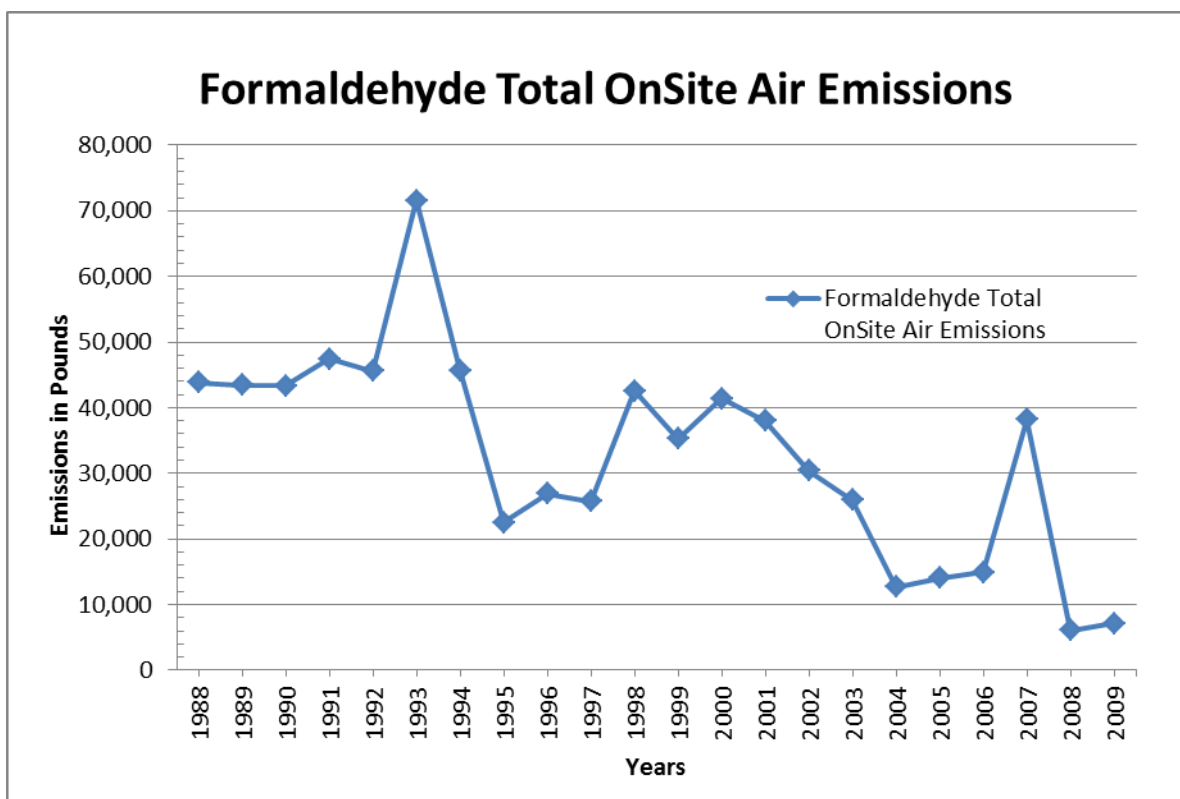


Figure 5- East Baton Rouge Parish Total On-Site Air Emissions: Formaldehyde

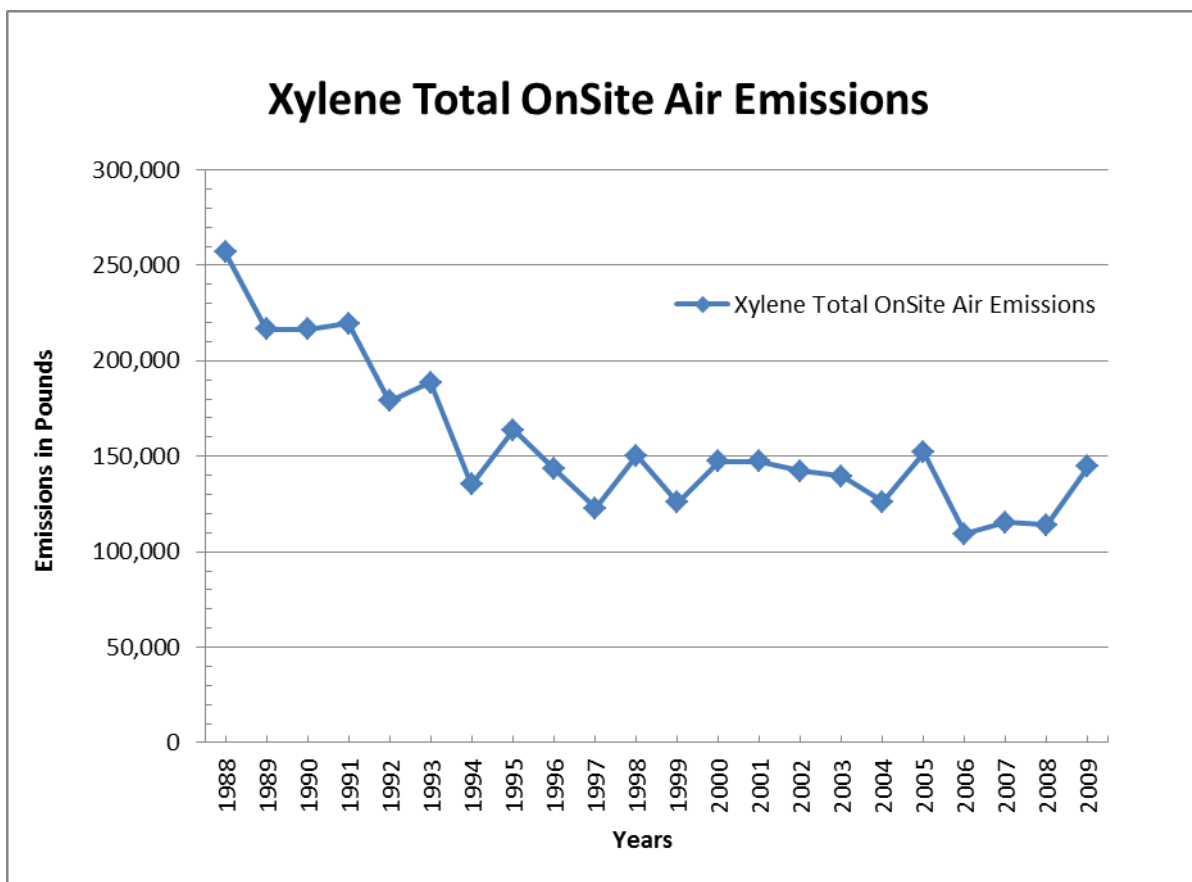


Figure 6- East Baton Rouge Parish Total On-Site Air Emissions: Xylene

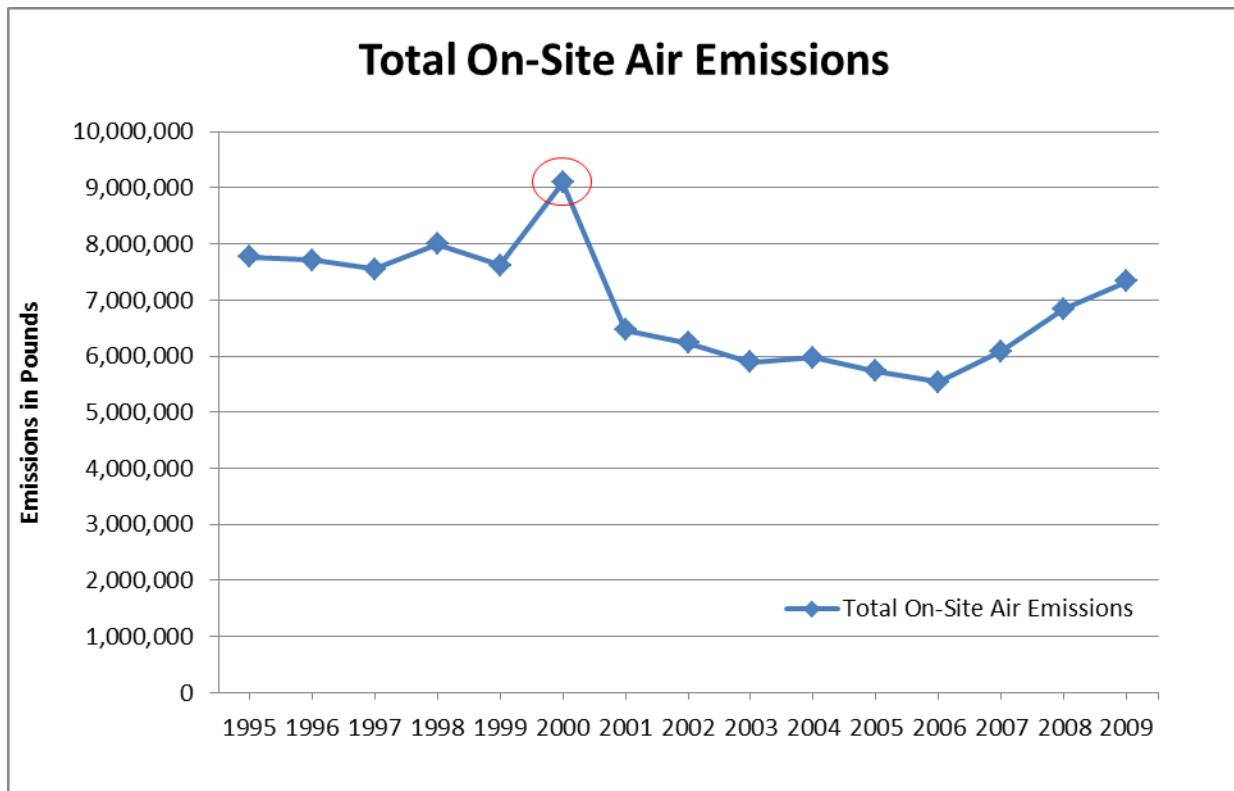


Figure 7- Total On-Site Air Emissions in East Baton Rouge Parish

These high 1990s emissions could have a significant effect on the cancer rates in East Baton Rouge. What makes this research difficult is that cancer has varying time lags. This means that there is an unknown amount of time between the exposure and the appearance of cancer. As discussed earlier, depending on the amount of exposure and how often the exposure was encountered will help to determine this amount of time. For this research the assumed time lags that will be used in our statistical analyses are five and ten years.

Figures 8, 9, and 10 below depict the cancer rates taken from the Louisiana Tumor Registry Data for East Baton Rouge Parish. There are no obvious connections

between the releases and the cancer rates each year, but Leukemia and combined Lung and Bronchial Cancer have a peak in 2001. There were not enough data to produce incidence rates for Nasopharyngeal cancer in East Baton Rouge Parish because between 1995 and 2008 the number of cases ranged from zero to four per year.

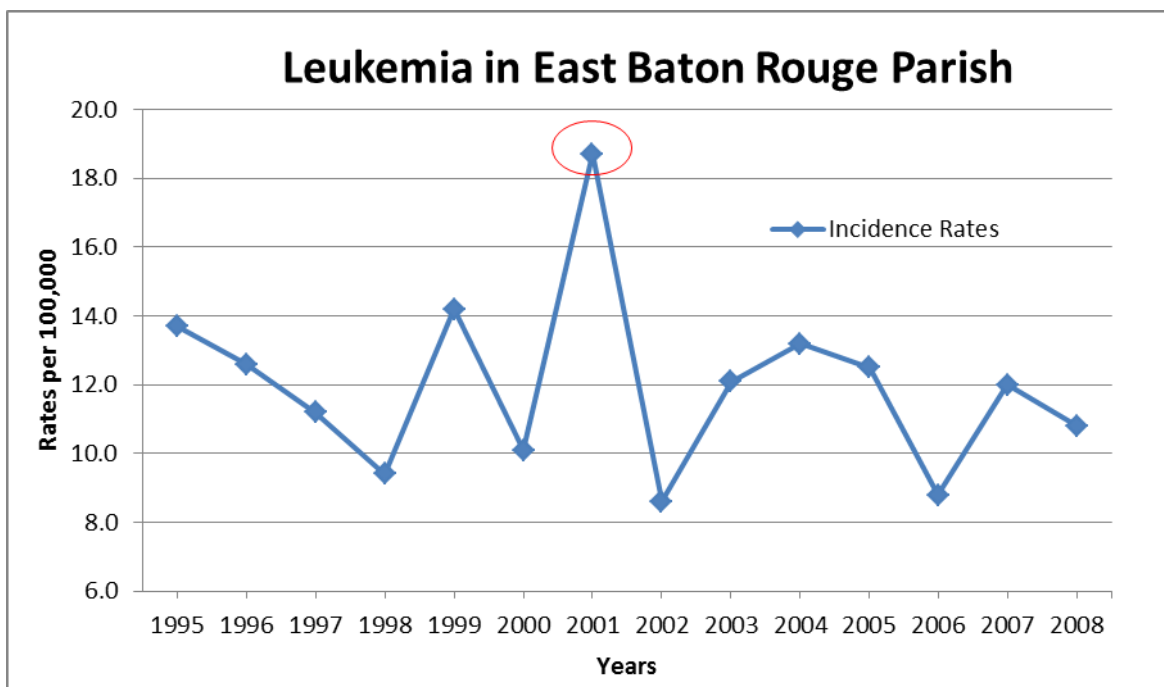


Figure 8- Leukemia Incidence Rates in East Baton Rouge Parish

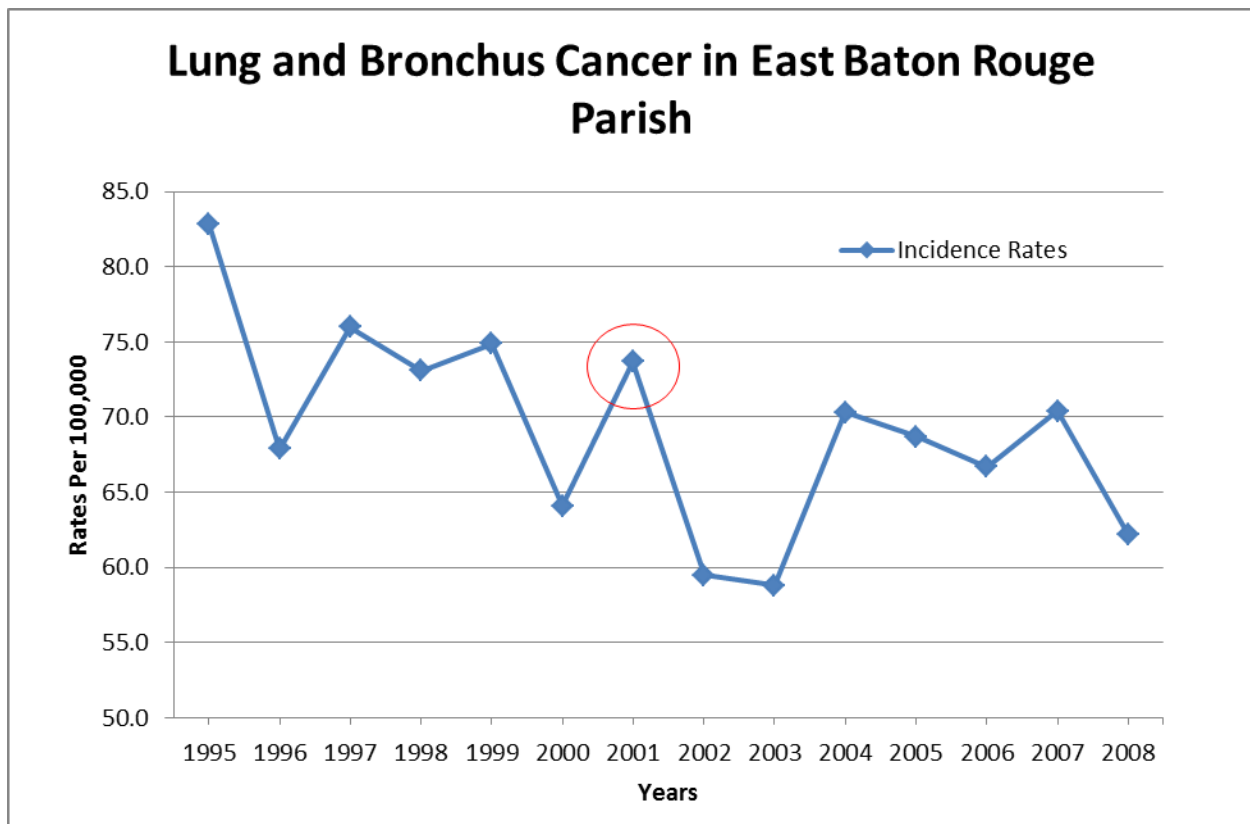


Figure 9- Lung and Bronchus Incidence Rates in East Baton Rouge Parish

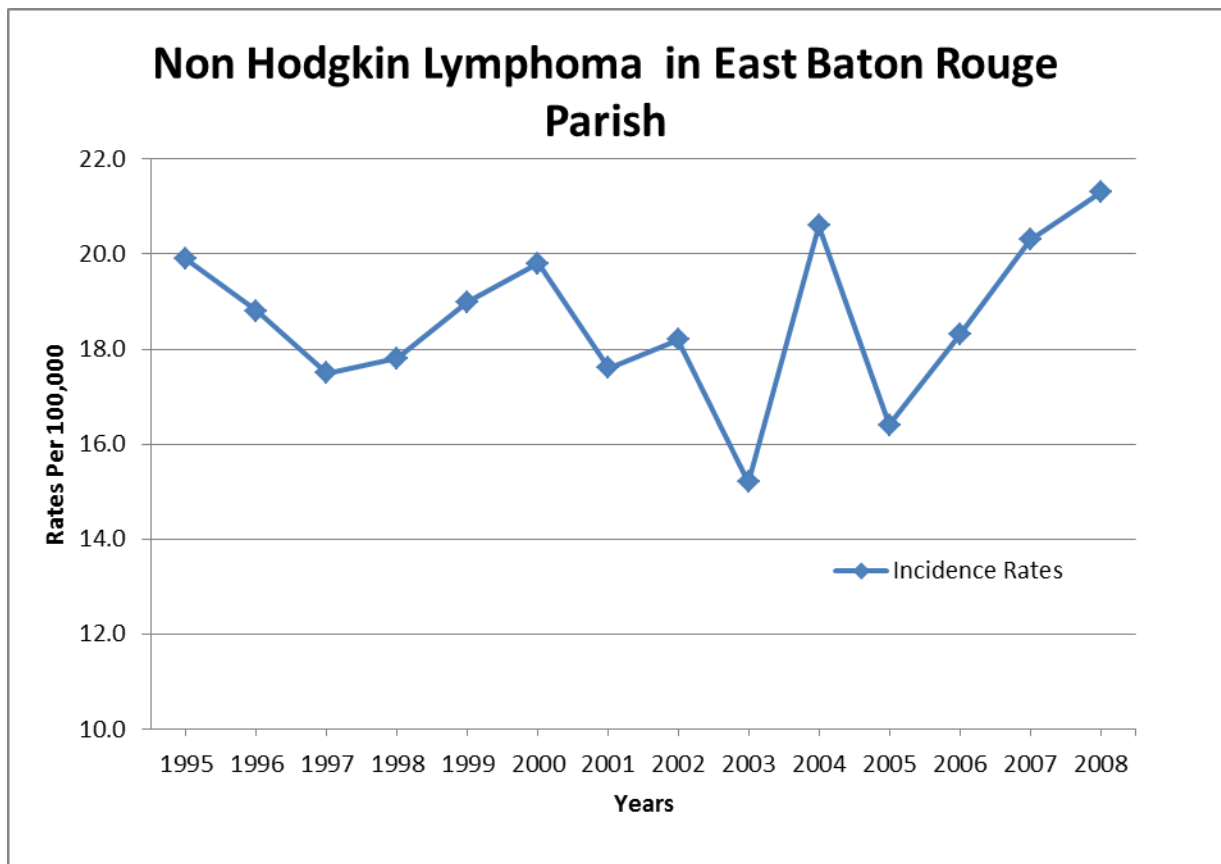


Figure 10- Non Hodgkin Lymphoma Rates In East Baton Rouge Parish

CHAPTER 3: RESULTS

3.1 Stata

Stata was used for the statistical portion of this project. Using the SEERStat Cancer data, Census Data (including race, gender, population, poverty levels, and education levels), and chemical release data from TRI, a single spreadsheet containing all of the information was created. Complete census data was available from the year 2000 and there were estimates from 2005-2009, which I was used an average for the year 2007. In addition, the census data was interpolated and extrapolated to obtain complete information from 1996 to 2009. The parishes were coded with numbers so that different names would not be a problem when merging the data sets.

The SEER cancer data that were incidence rate were all calculated per 100,000 and ranged from 2000 to 2008. These years were useful because releases from the 90s would correlate better with cancer rates from 2000 to 2008 because of the time lags associated with cancer. The cancer rates for most parishes did not need to be interpolated because the data ranged from 1988 to 2009. I attempted to interpolate the data for the parishes that did not have complete data from 1988 to 2009 and some ended up with negative values because of the large jumps that were made throughout the empty time period. So instead of keeping those negative values, I entered zero values. After the data were interpolated, I created time lags of 5, 7, and 10 years in order to see which time lag most accurately describes the time it takes for cancer to develop.

3.2 Statistical Analysis

Initially, this thesis project focused on East Baton Rouge Parish, but because insufficient cancer statistics exist for the types of cancer chosen, this work was expanded to encompass the entire state of Louisiana. The analysis included the regression coefficient, standard error, z score and P value. Statistical outputs were created for Nasopharynx cancer, Lung and Bronchus cancer, Leukemia, Non Hodgkin Lymphoma, Soft Tissue Sarcoma, and Colorectal Cancer. Colorectal Cancer was included as a control.

I hypothesized that

1. Overall, higher chemical rates would cause higher cancer rates.
2. Higher percentages of blacks would yield higher cancer rates.
3. Higher education rates would yield lower cancer rates.
4. Higher poverty rates would yield higher cancer rates.

After studying the results, I realized that the 10 year lag time showed the most significance. Meaning that the best correlations to cancer occurrence were found when the carcinogenic exposures were 10 years prior to the diagnosis of cancer. The 5 and 7 year lags did not show very many significant correlations, and most of the results that had any significance also showed up in the 10 year lag results. Something worth noting is that in the 5 year lag table for Lung and Bronchus Cancer, the Percentage black is shown to have a connection with a decrease in Lung and Bronchus Cancer Rates. This

is also true for Non Hodgkin Lymphoma and the 7 year lagged data for Lung and Bronchus Cancer. The 5 and 7 year lag results are listed in Appendix A.

Tables 2 – 7 are organized by the type of cancer evaluated; Nasopharynx, Non Hodgkin Lymphoma, Leukemia, Lung and Bronchus, Soft Tissue Sarcoma, and Rectal cancers.

Table 2: Generalized Least Square Estimates for 10 Year Lagged Model of Nasopharynx Cancer in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	0.000000702	0.000000303	2.32*	0.021
Dioxin	0.054129600	0.030572400	1.77*	0.077
Benzene	-0.000000838	0.000000466	-1.80	0.072
Formaldehyde	0.000000146	0.000000080	1.82*	0.069
Census Constants				
Percentage of People with a College Education	0.0240579	0.0069836	3.44**	0.001
Percent Black	-0.0651352	0.3790163	-0.17	0.864
Percent Unemployed	-0.8263127	2.3689690	-0.35	0.727
Percent of People in Poverty	0.0109532	0.0141304	0.78	0.438

*first level of significance

**second level of significance

Table 3: Generalized Least Square Estimates for 10 Year Lagged Model of Non Hodgkin Lymphoma in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	0.000001960	0.000001760	1.110000000	0.268000000
Dioxin	0.239674000	0.104942200	2.28000000*	0.022000000
Benzene	-0.000001980	0.000001790	-1.100000000	0.270000000
Formaldehyde	0.000000124	0.000000435	0.280000000	0.776000000
Census Constants				
Percentage of People with a College Education	0.107710100	0.048480300	2.22000000*	0.026000000
Percent Black	11.145650000	2.948596000	-3.780000000	0.000000***
Percent Unemployed	-6.682467000	19.528000000	-0.340000000	0.732000000
Percent of People in Poverty	0.123835800	0.101358500	1.220000000	0.222000000

*first level of significance **second level of significance

***significant digits too small

Table 4: Generalized Least Square Estimates for 10 Year Lagged Model of Leukemia in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	0.000001670	0.000001800	0.93	0.354
Dioxin	0.170860600	0.136075400	1.26	0.209
Benzene	-0.000002760	0.000001790	-1.54	0.123
Formaldehyde	0.000000813	0.000000358	2.27*	0.023
Census Constants				
Percentage of People with a College Education	-0.0252290	0.0511870	-0.49	0.622
Percent Black	0.7133001	2.8855200	0.25	0.805
Percent Unemployed	4.0751080	19.4165000	0.21	0.834
Percent of People in Poverty	-0.0728842	0.1039555	-0.70	0.483

*first level of significance

**second level of significance

Table 5: Generalized Least Square Estimates for 10 Year Lagged Model of Soft Tissue Sarcomas in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	0.000000237	0.000000758	0.31	0.754
Dioxin	-0.006108500	0.044014000	-0.14	0.890
Benzene	-0.000000587	0.000001050	-0.56	0.576
Formaldehyde	0.000000090	0.000000128	0.70	0.483
Census Constants				
Percentage of People with a College Education	0.0432938	0.0192447	2.25*	0.024
Percent Black	0.1404784	1.2406730	0.11	0.910
Percent Unemployed	3.9652180	8.2857310	0.48	0.632
Percent of People in Poverty	0.0068850	0.0432135	-0.16	0.873

*first level of significance

**second level of significance

Table 6: Generalized Least Square Estimates for 10 Year Lagged Model of Lung and Bronchus Cancer in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	0.00000854	0.000004190	2.04*	0.042
Dioxin	-0.03016150	0.299899200	-0.10	0.920
Benzene	0.00000215	0.000006040	0.36	0.722
Formaldehyde	-0.00000127	0.000000989	-1.28	0.200
Census Constants				
Percentage of People with a College Education	-0.516882600	0.12913940	-4.00	0.000
Percent Black	-22.07280000	7.74117200	-2.85	0.004
Percent Unemployed	-67.17596000	42.95200000	-1.56	0.118
Percent of People in Poverty	0.643372700	0.23064590	2.79*	0.005

*first level of significance

**second level of significance

Table7: Generalized Least Square Estimates for 10 Year Lagged Model of Colorectal Cancer in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	-0.000001590	0.000001630	-0.98	0.327
Dioxin	-0.154336600	0.095623800	-1.61	0.107
Benzene	0.000003540	0.000001910	1.85*	0.065
Formaldehyde	-0.000000505	0.000000352	-1.43	0.151
Census Constants				
Percentage of People with a College Education	-0.0616528	0.0408610	-1.51	0.131
Percent Black	0.6450604	2.5374850	0.25	0.799
Percent Unemployed	-10.4123800	15.6448000	-0.67	0.506
Percent of People in Poverty	0.1293331	0.0829033	1.56	0.119

*first level of significance

**second level of significance

The results displayed in Table 2 show that Xylene release correlates with the incidence of nasopharynx cancer ($P=0.021$), and while not significant, a trend is suggested for Dioxin, Benzene and Formaldehyde release. However, these results were not in agreement with hypotheses 2 or 3. Higher education levels and larger percent black population did not have an effect on cancer rates.

Non Hodgkin Lymphoma rates showed a slight increase of 0.024 and statistically significant correlation ($P= 0.022$) with higher dioxin levels which still is in agreement with hypothesis 1. However, percentage of people with a college education still gives a statistically significant ($P= 0.026$) result that the cancer rates increase with the number of people with college education which disagrees with hypothesis 3. I expected that

more education would yield lower cancer rates but Table 5 shows a statistically significant result ($P=.0873$) that higher education rates increase cancer rates.

Leukemia actually showed an increase in incidence rates with increases in formaldehyde releases. ($P=0.023$). With one of the highest z scores in my results at 2.27 it showed an increase of 8.13×10^{-7} which is still quite small. Soft tissue sarcoma incidence did not correlate with any of the chemical releases. But it did show disagreement with hypothesis 3. But it did show disagreement with hypothesis 3. I expected that more education would yield lower cancer rates but Table 5 shows a statistically significant result ($P=.024$) that higher education rates increase cancer rates.

Incidence of Lung and Bronchus cancer were associated with Xylene releases ($P= 0.042$, Table 6). The incidence rates of Lung and Bronchus cancer also correlated with increases in the percentage of people in poverty, which agrees with hypothesis 4. Colorectal Cancer was used as a control because we did not expect that any of these chemicals would have an effect on Colorectal Cancer rates, but what the results suggest that Benzene releases may have been involved in colon cancer ($P=.065$, Table 7).

After analyzing the data at the state level, the data from only East Baton Rouge Parish was studied. There was not enough data to do a statistical analysis, so I created graphs based on the positive correlations at the state level. The results for the state show that both Xylene and Dioxin were related to small increases in Nasopharynx Cancer. Non Hodgkin Lymphoma showed increases with dioxin, Lung and Bronchus Cancers increased with Xylene rates, and Leukemia increased with Formaldehyde

rates. So, with Stata, I created graphs with the chemical releases and cancer rates on the same plot so that we could easily see the similarities between the two.

Figure 11 shows the Formaldehyde releases graphed with Non Hodgkin Lymphoma incidence rates. The Formaldehyde releases peak in 1999 while the Non Hodgkin Lymphoma rates peak in 2007. This would give a time lag of 8 years. After I realized this, I calculated time lags of 8 years for each chemical and ran the statistical models again but the results were still not any more significant. Then, I decided to create a graph with the lagged Formaldehyde variable of 8 years to see what it looked like and Figure 12 is the result. An 8 year lag puts the Formaldehyde peak and the Non Hodgkin Lymphoma Peak appearing almost identical to each other. But because there are such a small number of observations in East Baton Rouge, we cannot say that the Formaldehyde releases “caused” the increase in Non Hodgkin Lymphoma rates, or that they are statistically related.

In Table 4 we saw a significant result between Formaldehyde and Leukemia. So I also investigated this result for East Baton Rouge Parish. I graphed the Formaldehyde releases and the Leukemia incidence rates on the same plot in Figure 13. The peaks in releases and cancer rates were 8 years apart, so I graphed the lagged release data with the cancer data, and that result is Figure 14. The overlap does not correlate as well as the Formaldehyde releases versus Non Hodgkin Lymphoma Incidence did (see Figure 12), although the time lag might be different for Leukemia development. I created similar graphs for Formaldehyde and Nasopharynx Cancer Rates, Dioxin and Non Hodgkin Lymphoma Rates, and Dioxin and Nasopharynx Cancer Rates which are included in Appendix B.

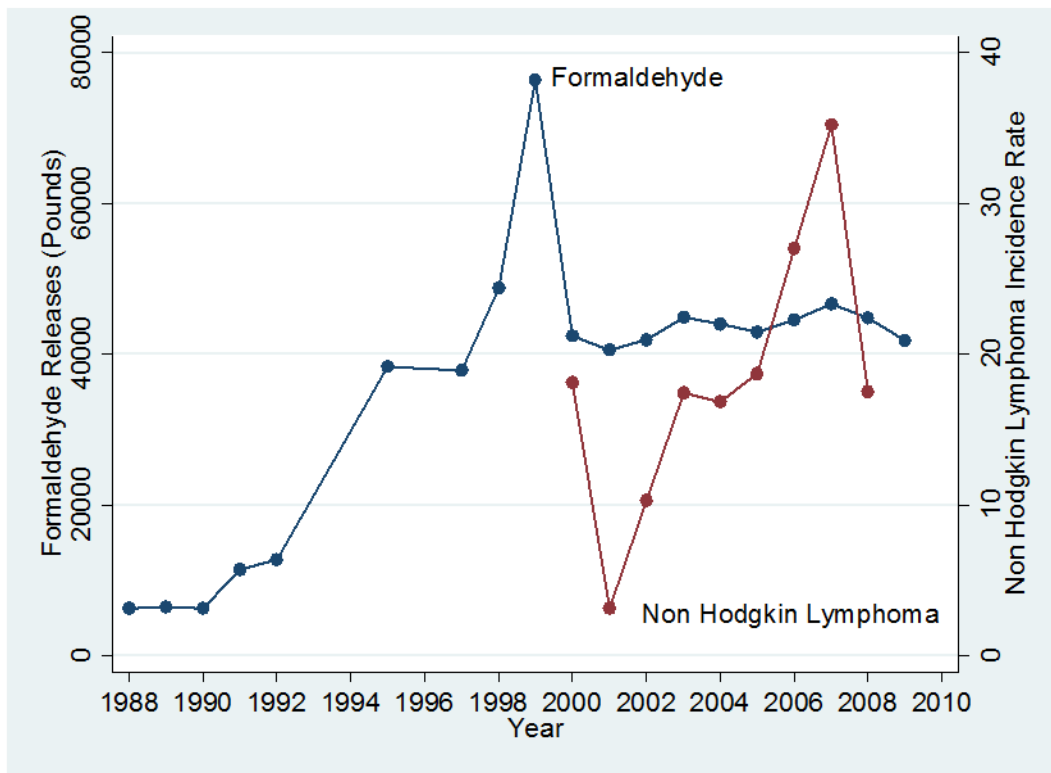


Figure 11 Formaldehyde Releases graphed with Non Hodgkin Lymphoma Rates in East Baton Rouge Parish from 1988 to 2009

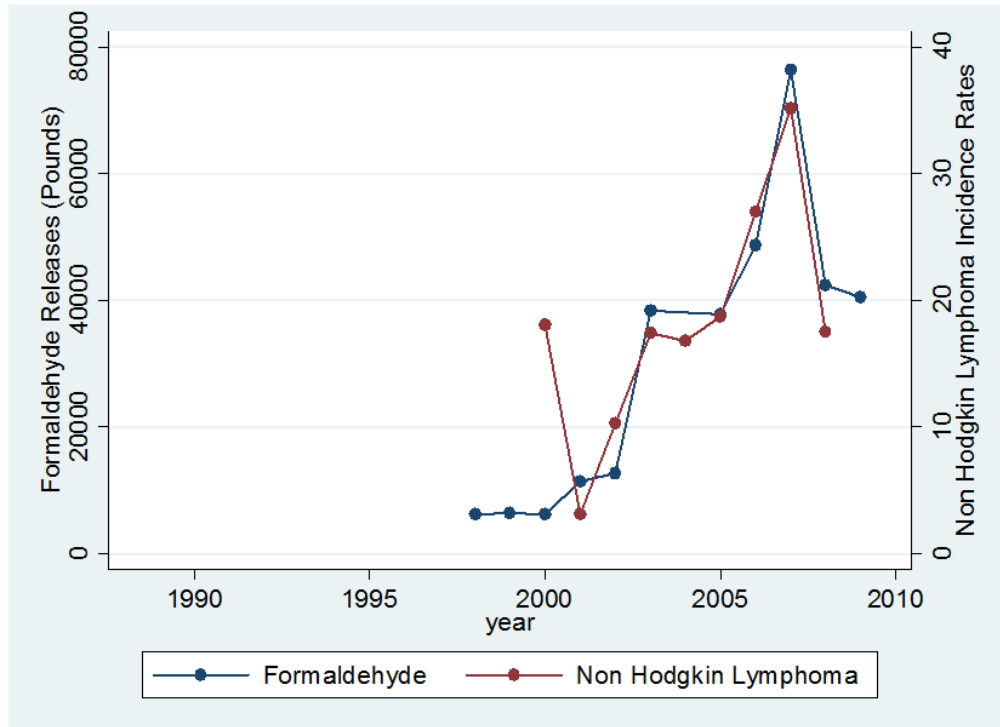


Figure12: 8 Year Time Lagged Formaldehyde Releases graphed with Non Hodgkin Lymphoma Incidence Rates from 1988 to 2009

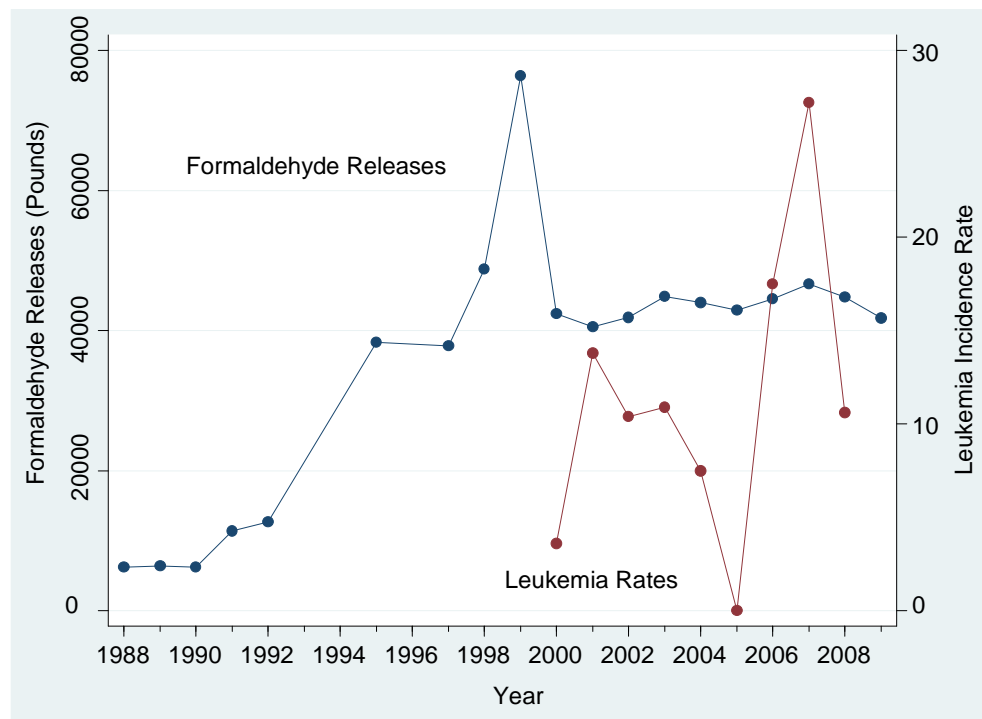


Figure 13: Formaldehyde Releases and Leukemia Incidence Rates in East Baton Rouge Parish from 1988 to 2009

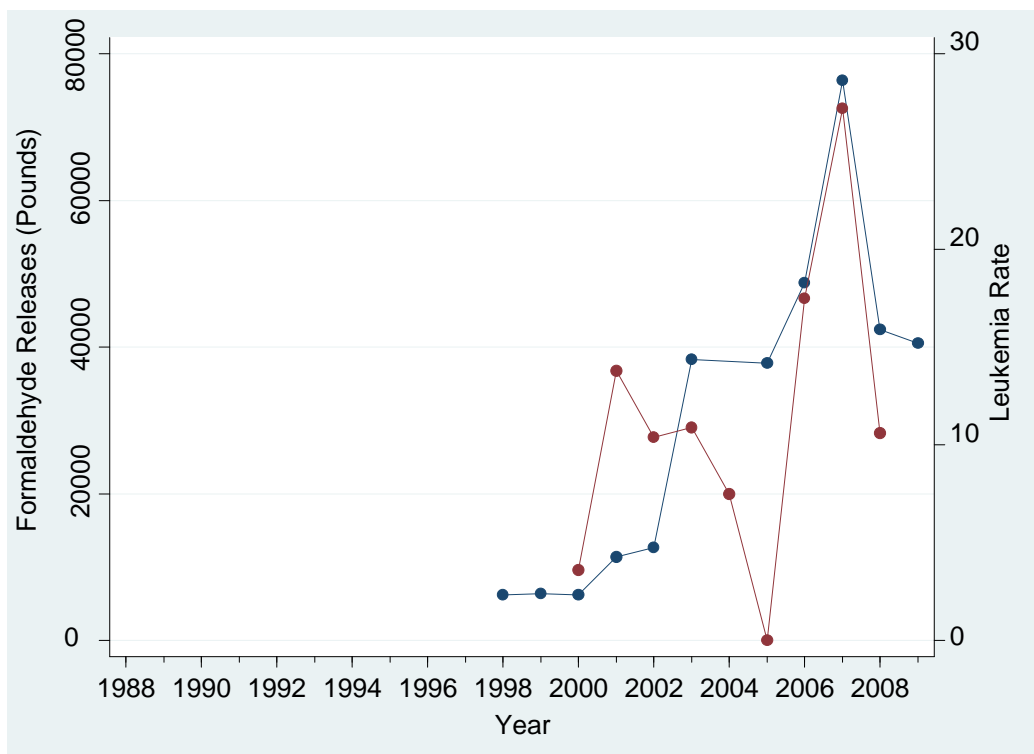


Figure14: 8 year lagged Formaldehyde Releases and Leukemia Rates in East Baton Rouge Parish from 1988 to 2009

Overall, the results from this project are as follows:

- ✓ Agreed with my hypothesis
- ✗ Disagreed with my hypothesis

- ⦿ Nasopharynx Cancer
 - ✓ Xylene and Dioxin showed increases in cancer rate
 - ✗ Percent of people with college education showed increases in cancer rate
- ⦿ Non Hodgkin Lymphoma
 - ✓ Dioxin showed increases in cancer rate
 - ✗ Percent of people with college education showed increases with cancer rate
- ⦿ Leukemia
 - ✓ Formaldehyde showed increases with cancer rate
- ⦿ Soft Tissue Sarcoma
 - No significant chemical results
 - ✗ Percent of people with college education showed increases in cancer rate
- ⦿ Lung and Bronchus Cancers
 - ✓ Xylene showed increases with Lung and Bronchus cancer rates
 - ✗ Percent of People in Poverty showed increases with cancer rate
- ⦿ Colorectal Cancers
 - No Significant Results

Table 8: Overview of Results

With these results, I have gathered that the chemical releases in Louisiana are having an effect on the cancer rates in the state. This statement is based on the z distributions given in Tables 2-7. I cannot statistically say that chemical releases in East Baton Rouge Parish have a significant effect on cancer rates because of lack of incidences of these cancers, but I still am a firm believer that these chemicals have a direct effect on cancer rates in this parish. Formaldehyde did show a significant result that the Nasopharynx and Non Hodgkin Lymphoma rates would increase but only a very small amount. With more data, I may be able to prove this fact, but from the results of this research I do not have the statistics to say that chemical releases have an effect on cancer rates in East Baton Rouge.

CHAPTER 4: DISCUSSION AND FUTURE RESEARCH

4.1 Discussion

This analysis was conducted to find out if chemical releases have an effect on cancer rates, but before any analysis is done, we know that there are limitations that could affect these results. Although the focus of this research is East Baton Rouge Parish, chemicals are released throughout the state of Louisiana. Chemicals from other parishes and even states could have easily been blown into or out of East Baton Rouge Parish by prevailing winds.

Cancer can be hereditary (an inherited predisposition), caused by exposure to carcinogenic chemicals or biological carcinogens (e.g. oncogenic viruses), or it could be spontaneous, i.e. the result of the laws of probability, chance and aging (Wilson 2011). The Louisiana Department of Health and Hospitals' Office of Public Health estimates that in Louisiana 26.5 % of adults are smokers and over 6,000 adults die each year from smoking (DHH 2005). It is known that smoking accounts for a large percentage of lung cancer cases. This is also something that could have an effect on our results. Also, cancers could be caused by exposure to a combination of carcinogenic chemicals, and there is no way to pinpoint if there was one chemical in particular that brought the cancer on, or if an individual was exposed to one chemical more than others or which one had more of an effect (Wilson 2011).

There is no definite time lag for cancers. Different cancers, different exposures and length of exposures all can affect the time lag. Sometimes people are exposed to carcinogens that they are not aware of and so they are not accounted for. For this

analysis I decided to use lag times of 5, 7, and 10 years because of my limited data sets, but sometimes the lag can range up to 50 years or more (Wilson 2011).

The census data used after the year 2000 was interpolated; this means that they are only estimates. This could also have an effect on the incidence rates in a parish. Also, some parishes did not have enough cancer cases reported to calculate incidence rates per 100,000 and some parishes did not report releases to TRI because they are insignificant amounts. All of these estimates and assumptions could have an effect on my analysis.

Missing data was a problem for chemical releases in certain parishes. If there were missing data for the chemical releases a value of 0 was assumed for each of those years and no statistical analysis could be done which further decreased the number of observations I had.

Although we can see a clear relationship in the chemical releases and cancer rates in the graphs of East Baton Rouge Parish, there are not enough observations to make clear conclusions that chemical releases are directly related to the cancer rates in East Baton Rouge Parish. My results show very slight increases in cancer rates based on the chemical releases provided with a 10 year time lag but again, not enough to make the conclusion that the chemical releases have obvious effect on the cancer rates. This would take many more years of cancer data and a much more involved and extensive study.

4.2 Future Research

There are several improvements that would be valuable to pursue further advances in this research approach to studying the potential causation of cancer by chemical releases in Louisiana. –First, data could be requested directly from the census bureau so that the official data from each year would be available and there would be no guessing or uncertainty of interpolations. The same would apply for cancer data. I would try to get permission to get crude cancer data and individual case information without using internet sources.

A long-term approach would include a retrospective case control study. A number of individuals from each parish who were definitely exposed to carcinogens from Louisiana and other regions across the country would be chosen and followed for their medical records from the beginning of exposures to present. In addition, Louisiana's releases could be compared to those in other states over a longer period of time and increase the time lag to 15 to 20 years for cancer incidence correlations. In such a study, the period of time for chemical exposure could also be extended. Also, this work should be expanded to include heavy metals like Mercury, Cadmium, and in addition to the VOCs studied in the present project.

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**APPENDIX A: TRI CHEMICAL RELEASE DATA FOR ALL PARISHES IN LOUISIANA FROM
1988 to 2009**

	County	Chemical	Year	Total Releases	Total On- site Releases	Total Air Releases
1	Acadia, LA	BENZENE	1988	3400	3400	3400
1	Acadia, LA	BENZENE	1989	2952	2952	2952
1	Acadia, LA	BENZENE	1990	2600	2600	2600
1	Acadia, LA	BENZENE	1991	2623	2618	2618
1	Acadia, LA	BENZENE	1992	3355	3350	3350
1	Acadia, LA	BENZENE	1993	3955	3950	3950
1	Acadia, LA	BENZENE	1994	4750	4750	4750
1	Acadia, LA	BENZENE	1995	6634	5534	5534
1	Acadia, LA	BENZENE	1996	14220	4596	4596
1	Acadia, LA	BENZENE	1999	0		
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1988	5207	5207	5207
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1989	6984	6984	6984
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1990	6200	6200	6200
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1991	500	500	500
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1992	1000	1000	1000
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1993	1000	1000	1000
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1994	1000	1000	1000
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1995	4036	1036	1036
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1996	26875	861	861
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1998	519	500	500
1	Acadia, LA	XYLENE (MIXED ISOMERS)	1999	905	868	868
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2000	744	738	738
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2001	607	607	607
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2002	304	304	304
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2003	193	193	191
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2004	153	153	153
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2005	142	142	142
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2006	147	147	147
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2007	250	250	250
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2008	19738	19738	19738
1	Acadia, LA	XYLENE (MIXED ISOMERS)	2009	13032	13032	13032
2	Allen, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0002864	0.0002864	0.000255
2	Allen, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0002851	0.0002851	0.000256
2	Allen, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0002862	0.0002862	0.000257
2	Allen, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0003349	0.0003349	0.000301

		COMPOUNDS				
		DIOXIN AND DIOXIN-LIKE				
2	Allen, LA	COMPOUNDS	2004	0.0002778	0.0002778	0.000265
		DIOXIN AND DIOXIN-LIKE				
2	Allen, LA	COMPOUNDS	2005	0.0002778	0.0002778	0.000265
		DIOXIN AND DIOXIN-LIKE				
2	Allen, LA	COMPOUNDS	2007	0.0002326	0.0001663	0.000166
		DIOXIN AND DIOXIN-LIKE				
2	Allen, LA	COMPOUNDS	2008	0.0004721	0.0004335	0.000392
2	Allen, LA	FORMALDEHYDE	1988	1000	750	500
2	Allen, LA	FORMALDEHYDE	1989	1000	750	500
2	Allen, LA	FORMALDEHYDE	1990	2500	2250	1500
2	Allen, LA	FORMALDEHYDE	1991	254	4	3
2	Allen, LA	FORMALDEHYDE	1999	0		
2	Allen, LA	FORMALDEHYDE	2000	2341	2341	313
2	Allen, LA	FORMALDEHYDE	2001	1222	1222	132
2	Allen, LA	FORMALDEHYDE	2002	978.54	14.54	14.54
3	Ascension, LA	BENZENE	1988	42900	42650	42400
3	Ascension, LA	BENZENE	1989	93454	92454	91844
3	Ascension, LA	BENZENE	1990	91825	91565	83463
3	Ascension, LA	BENZENE	1991	117126	116876	107838
3	Ascension, LA	BENZENE	1992	100358	99988	79904
3	Ascension, LA	BENZENE	1993	51764	51404	44694
3	Ascension, LA	BENZENE	1994	55905	55308	50385
3	Ascension, LA	BENZENE	1995	70916	70905	60485
3	Ascension, LA	BENZENE	1996	71933	71893	66588
3	Ascension, LA	BENZENE	1997	1715792	1715680	1698673
3	Ascension, LA	BENZENE	1998	644489	644369	638163
3	Ascension, LA	BENZENE	1999	413523	413383	410417
3	Ascension, LA	BENZENE	2000	54692	54599	52493
3	Ascension, LA	BENZENE	2001	53514	53424	50406
3	Ascension, LA	BENZENE	2002	37147.73	37067.73	33857
3	Ascension, LA	BENZENE	2003	32828	32728	31853
3	Ascension, LA	BENZENE	2004	40864	40790	39825
3	Ascension, LA	BENZENE	2005	37748	37697	35592
3	Ascension, LA	BENZENE	2006	30809	30734	29988
3	Ascension, LA	BENZENE	2007	32914	32872	31923
3	Ascension, LA	BENZENE	2008	38250	38080	36730
3	Ascension, LA	BENZENE	2009	64259	64175	34167
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2000	0.0373751	0.0017896	0.001591
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2001	0.4872945	0.0101393	0.008833
3	Ascension, LA	DIOXIN AND DIOXIN-LIKE	2002	0.1830887	0.0095662	0.008629

		COMPOUNDS				
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2003	0.0028591	0.0025279	0.00225
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2004	0.0093537	0.0086939	0.007967
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2005	0.0089363	0.0089363	0.008124
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2006	0.6028558	0.0090713	0.008147
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2007	0.0018741	0.0018741	0.001676
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2008	0.157521	0.0152223	0.014498
		DIOXIN AND DIOXIN-LIKE				
3	Ascension, LA	COMPOUNDS	2009	0.0205811	0.015149	0.014472
3	Ascension, LA	FORMALDEHYDE	1988	13183	13183	12846
3	Ascension, LA	FORMALDEHYDE	1989	22399	22399	19099
3	Ascension, LA	FORMALDEHYDE	1990	52574	50074	27769
3	Ascension, LA	FORMALDEHYDE	1991	26749	23549	23104
3	Ascension, LA	FORMALDEHYDE	1992	23076	23076	22581
3	Ascension, LA	FORMALDEHYDE	1993	23457	23457	22902
3	Ascension, LA	FORMALDEHYDE	1994	25547	25450	25445
3	Ascension, LA	FORMALDEHYDE	1995	18863	18857	18834
3	Ascension, LA	FORMALDEHYDE	1996	45720	45691	45591
3	Ascension, LA	FORMALDEHYDE	1997	41520	40760	39155
3	Ascension, LA	FORMALDEHYDE	1998	44886	44766	44661
3	Ascension, LA	FORMALDEHYDE	1999	43625	43485	43380
3	Ascension, LA	FORMALDEHYDE	2000	31532	31441	31186
3	Ascension, LA	FORMALDEHYDE	2001	59197	40107	36702
3	Ascension, LA	FORMALDEHYDE	2002	48821	29601	27096
3	Ascension, LA	FORMALDEHYDE	2003	36107	31707	27957
3	Ascension, LA	FORMALDEHYDE	2004	40592	32118	30388
3	Ascension, LA	FORMALDEHYDE	2005	30068	30017	28417
3	Ascension, LA	FORMALDEHYDE	2006	33596.2	30721.2	28941.2
3	Ascension, LA	FORMALDEHYDE	2007	27886	27844	27084
3	Ascension, LA	FORMALDEHYDE	2008	30437	30267	28517
3	Ascension, LA	FORMALDEHYDE	2009	28250	28166	26436
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1988	1800	1550	1550
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1991	0	0	0
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1995	0		
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1996	254	254	254
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1997	580	580	580
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1998	379	379	259
3	Ascension, LA	XYLENE (MIXED ISOMERS)	1999	780	780	780

3	Ascension, LA	XYLENE (MIXED ISOMERS)	2001	4170	4170	4170
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2002	4130	4130	4130
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2003	6920	6920	6920
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2004	10063	10063	10063
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2005	8630	8630	8630
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2006	7330	7330	7330
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2007	7090	7090	7090
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2008	5626	5626	5626
3	Ascension, LA	XYLENE (MIXED ISOMERS)	2009	5288	5288	5288
4	Assumption, LA	BENZENE	1988	2360	2360	2360
4	Assumption, LA	BENZENE	1989	18060	18060	18060
4	Assumption, LA	BENZENE	1990	20360	20360	20360
4	Assumption, LA	BENZENE	1991	21230	21230	21230
4	Assumption, LA	BENZENE	1992	7180	7180	7180
4	Assumption, LA	BENZENE	1993	11540	11540	11540
4	Assumption, LA	BENZENE	1994	1510	1510	1510
4	Assumption, LA	BENZENE	1995	115	115	115
4	Assumption, LA	BENZENE	1996	731	731	731
4	Assumption, LA	BENZENE	1997	13	13	13
4	Assumption, LA	BENZENE	1998	12	12	12
4	Assumption, LA	BENZENE	1999	15	15	15
4	Assumption, LA	BENZENE	2001	308	308	308
4	Assumption, LA	BENZENE	2002	373	373	373
4	Assumption, LA	BENZENE	2003	651	651	651
4	Assumption, LA	BENZENE	2004	729	729	729
4	Assumption, LA	BENZENE	2005	1271	1271	1271
4	Assumption, LA	BENZENE	2006	1199	1199	1199
4	Assumption, LA	BENZENE	2007	206	206	206
4	Assumption, LA	BENZENE	2008	430	430	430
4	Assumption, LA	BENZENE	2009	474	474	474
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1988	113773	113773	113773
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1989	112059	112059	112059
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1990	152353	152353	152353
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1991	6115	6115	6115
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1992	34010	34010	34010
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1993	35320	35320	35320
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1994	45476	45476	45476
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1995	32034	32034	32034
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1996	5	5	5
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1997	37683	37683	37683
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1998	35502	35502	35502
4	Assumption, LA	XYLENE (MIXED ISOMERS)	1999	10703	10703	10703
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2000	5500	5500	5500

4	Assumption, LA	XYLENE (MIXED ISOMERS)	2001	4800	4800	4800
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2002	12000	12000	12000
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2003	24500	24500	24500
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2004	73998.95	73998.95	73998.95
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2005	55500	55500	55500
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2006	0	0	0
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2007	0	0	0
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2008	0	0	0
4	Assumption, LA	XYLENE (MIXED ISOMERS)	2009	0	0	0
5	Avoyelles, LA	BENZENE	2001	0		
5	Avoyelles, LA	BENZENE	2002	0		
5	Avoyelles, LA	BENZENE	2003	0		
5	Avoyelles, LA	BENZENE	2004	0		
5	Avoyelles, LA	BENZENE	2005	0		
5	Avoyelles, LA	BENZENE	2006	0		
5	Avoyelles, LA	BENZENE	2007	0		
5	Avoyelles, LA	BENZENE	2008	3001	3001	3001
5	Avoyelles, LA	BENZENE	2009	2445	2445	2445
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2001	0		
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2002	0		
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2003	91	91	91
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2004	143	143	143
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2005	460	460	460
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2006	417	417	417
5	Avoyelles, LA	XYLENE (MIXED ISOMERS)	2007	381	381	381
6	Beauregard, LA	BENZENE	1993	7831	7831	7794
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0006606	0.0006606	0.000657
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0036543	0.0036466	0.003008
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0042612	0.0042482	0.002808
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0043536	0.004352	0.002581
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0059089	0.0058644	0.002442
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0027342	0.0027342	0.002249
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0041895	0.0041895	0.002514
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0030319	0.0030319	0.002558
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0056166	0.0056166	0.001861
6	Beauregard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0020716	0.0020716	0.001633

COMPOUNDS						
6	Beauregard, LA	FORMALDEHYDE	1988	2300	2300	1000
6	Beauregard, LA	FORMALDEHYDE	1989	694	694	694
6	Beauregard, LA	FORMALDEHYDE	1990	544	544	544
6	Beauregard, LA	FORMALDEHYDE	1991	5060	5060	3860
6	Beauregard, LA	FORMALDEHYDE	1992	1780	1780	880
6	Beauregard, LA	FORMALDEHYDE	1993	3690	3110	1010
6	Beauregard, LA	FORMALDEHYDE	1994	31002	31002	29302
6	Beauregard, LA	FORMALDEHYDE	1995	30882	30882	28582
6	Beauregard, LA	FORMALDEHYDE	1996	30915	30915	26210
6	Beauregard, LA	FORMALDEHYDE	1997	32355	32355	27450
6	Beauregard, LA	FORMALDEHYDE	1998	32755	32755	27850
6	Beauregard, LA	FORMALDEHYDE	1999	31595	31595	28170
6	Beauregard, LA	FORMALDEHYDE	2000	2310	2310	950
6	Beauregard, LA	FORMALDEHYDE	2001	31820	31820	27330
6	Beauregard, LA	FORMALDEHYDE	2002	31570	31570	27290
6	Beauregard, LA	FORMALDEHYDE	2003	31615	31615	27090
6	Beauregard, LA	FORMALDEHYDE	2004	32350	32350	27972
6	Beauregard, LA	FORMALDEHYDE	2005	33328	33328	29265
6	Beauregard, LA	FORMALDEHYDE	2006	36586	36586	32256
6	Beauregard, LA	FORMALDEHYDE	2007	37922	37922	34691
6	Beauregard, LA	FORMALDEHYDE	2008	34563	34563	29473
6	Beauregard, LA	FORMALDEHYDE	2009	33187	33187	29275
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1988	1700	1450	1450
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1989	1380	1380	1380
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1990	942	942	942
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1991	901	900	895
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1992	1602	1602	1566
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1993	15601	15601	15556
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1994	551	551	550
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1995	513	513	512
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1996	466	466	465
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1997	320	320	315
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1998	301	301	296
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	1999	310	310	240
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	2000	265	265	260
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	2001	265	265	260
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	2002	335	335	315
6	Beauregard, LA	XYLENE (MIXED ISOMERS)	2003	210	210	190
7	Bienville, LA	FORMALDEHYDE	1988	0	0	0
7	Bienville, LA	FORMALDEHYDE	1989	0	0	0
7	Bienville, LA	FORMALDEHYDE	1990	0	0	0
8	Bossier, LA	BENZENE	2001	0		

8	Bossier, LA	BENZENE	2002	0		
8	Bossier, LA	BENZENE	2003	0		
8	Bossier, LA	XYLENE (MIXED ISOMERS)	1999	484	483	483
8	Bossier, LA	XYLENE (MIXED ISOMERS)	2000	458	457	457
8	Bossier, LA	XYLENE (MIXED ISOMERS)	2001	462	462	417
8	Bossier, LA	XYLENE (MIXED ISOMERS)	2002	631	631	453
8	Bossier, LA	XYLENE (MIXED ISOMERS)	2003	0		
8	Bossier, LA	XYLENE (MIXED ISOMERS)	2006	1397	1396	514
9	Caddo, LA	BENZENE	1988	14539	13289	12789
9	Caddo, LA	BENZENE	1989	16389	13639	13389
9	Caddo, LA	BENZENE	1990	18277	17995	17740
9	Caddo, LA	BENZENE	1991	10665	10405	10400
9	Caddo, LA	BENZENE	1992	29080	28825	28570
9	Caddo, LA	BENZENE	1993	15054	14563	14170
9	Caddo, LA	BENZENE	1994	9261	8943	8880
9	Caddo, LA	BENZENE	1995	13721	12590	11480
9	Caddo, LA	BENZENE	1996	13068	6630	6130
9	Caddo, LA	BENZENE	1997	6409	6368	6320
9	Caddo, LA	BENZENE	1998	7038	7024	7017
9	Caddo, LA	BENZENE	1999	8199	8197	8191
9	Caddo, LA	BENZENE	2000	6284	6284	6278
9	Caddo, LA	BENZENE	2001	5826	5826	5820
9	Caddo, LA	BENZENE	2002	8866	8865	8860
9	Caddo, LA	BENZENE	2003	9200	9200	9195
9	Caddo, LA	BENZENE	2004	7655	7655	7650
9	Caddo, LA	BENZENE	2005	5117	5115	5110
9	Caddo, LA	BENZENE	2006	5648	5647	5635
9	Caddo, LA	BENZENE	2007	6407	6406	6394
9	Caddo, LA	BENZENE	2008	5454	5454	5445
9	Caddo, LA	BENZENE	2009	4613	4612	4600
9	Caddo, LA	FORMALDEHYDE	1988	25900	25650	3650
9	Caddo, LA	FORMALDEHYDE	1989	2250	2000	1250
9	Caddo, LA	FORMALDEHYDE	2002	5910	5210	3410
9	Caddo, LA	FORMALDEHYDE	2003	5585	5405	3405
9	Caddo, LA	FORMALDEHYDE	2004	9005	8705	6505
9	Caddo, LA	FORMALDEHYDE	2005	11310	10510	8610
9	Caddo, LA	FORMALDEHYDE	2006	9680	8710	6910
9	Caddo, LA	FORMALDEHYDE	2007	10665	9515	7565
9	Caddo, LA	FORMALDEHYDE	2008	9552	8482	6892
9	Caddo, LA	FORMALDEHYDE	2009	8207	7623	6013
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1988	522000	515500	515000
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1989	530050	525050	524800
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1990	420915	407955	406750

9	Caddo, LA	XYLENE (MIXED ISOMERS)	1991	638110	636555	635450
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1992	660235	656755	656000
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1993	399879	394343	393400
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1994	459636	457113	457000
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1995	372509	371664	369126
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1996	352216	239010	238100
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1997	171653	171503	171437
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1998	214543	214103	214093
9	Caddo, LA	XYLENE (MIXED ISOMERS)	1999	148691	148309	148301
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2000	232129	229245	229236
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2001	89398	89373	89364
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2002	137373.1	137342.1	137337.1
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2003	79647	79645	79640
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2004	105708	105705	105700
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2005	151269.82	150859.82	150854.8
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2006	132361	132353	132200
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2007	89469	89455	89191
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2008	11757	11744	11733
9	Caddo, LA	XYLENE (MIXED ISOMERS)	2009	9267	9240	9226
10	Calcasieu, LA	BENZENE	1988	464435	464128	442488
10	Calcasieu, LA	BENZENE	1989	485618	477981	454446
10	Calcasieu, LA	BENZENE	1990	531316	503261	450091
10	Calcasieu, LA	BENZENE	1991	149954	148664	148495
10	Calcasieu, LA	BENZENE	1992	298831	287689	280407
10	Calcasieu, LA	BENZENE	1993	219850	217190	217032
10	Calcasieu, LA	BENZENE	1994	195761	190169	190064
10	Calcasieu, LA	BENZENE	1995	171252	169575	169284
10	Calcasieu, LA	BENZENE	1996	76373	74549	68334
10	Calcasieu, LA	BENZENE	1997	133333	131610	131500
10	Calcasieu, LA	BENZENE	1998	144208	142462	142331
10	Calcasieu, LA	BENZENE	1999	100182	99538	99430
10	Calcasieu, LA	BENZENE	2000	78720	78434	78426
10	Calcasieu, LA	BENZENE	2001	128405	128043	126886
10	Calcasieu, LA	BENZENE	2002	108390	107776	107469
10	Calcasieu, LA	BENZENE	2003	94516	94029	93876
10	Calcasieu, LA	BENZENE	2004	94182	93853	93722
10	Calcasieu, LA	BENZENE	2005	98869.5	98447	98326
10	Calcasieu, LA	BENZENE	2006	142160	140717	140524
10	Calcasieu, LA	BENZENE	2007	143106.29	139923.29	139712.3
10	Calcasieu, LA	BENZENE	2008	227208.03	224550.78	224330.1
10	Calcasieu, LA	BENZENE	2009	106533.06	104536.98	104129.5
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	1.2580219	0.959671	0.00674

10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.7914641	0.6000481	0.007374
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.3011604	0.0661718	0.007694
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.3949381	0.0734711	0.008448
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.4978206	0.1586916	0.008485
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	4.7071258	4.4190988	0.008
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.4452832	0.1538558	0.008038
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.3765659	0.0680596	0.006901
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.4337696	0.0607771	0.006071
10	Calcasieu, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.3023562	0.0405574	0.00762
10	Calcasieu, LA	FORMALDEHYDE	1988	267	267	17
10	Calcasieu, LA	FORMALDEHYDE	1989	301	251	1
10	Calcasieu, LA	FORMALDEHYDE	1990	0	0	0
10	Calcasieu, LA	FORMALDEHYDE	1991	118	107	96
10	Calcasieu, LA	FORMALDEHYDE	1992	0	0	0
10	Calcasieu, LA	FORMALDEHYDE	1993	46	46	46
10	Calcasieu, LA	FORMALDEHYDE	1994	327	327	327
10	Calcasieu, LA	FORMALDEHYDE	2009	5	5	5
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1988	262530	197402	180812
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1989	178755	144898	129918
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1990	352063	227833	213624
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1991	20606	16256	16113
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1992	494353	462520	457861
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1993	442149	440664	440487
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1994	446445	371492	371419
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1995	317639	311585	311077
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1996	83217	83171	81109
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1997	260938	260884	260848
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1998	302483	301902	301869
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	1999	197891	197680	197650
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2000	151262	151243	151241
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2001	197132	196991	179215
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2002	162038	161642	161369
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2003	154301.2	153987.2	153756.2
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2004	161982	161729	161584
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2005	191155.2	191104	190969
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2006	294314.4	287885.4	287808.4

10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2007	342527.41	326929.41	326797.4
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2008	326096.63	318774.7	312047.7
10	Calcasieu, LA	XYLENE (MIXED ISOMERS)	2009	239340.1	228617.41	228387.2
12	Cameron, LA	BENZENE	1996	17	17	17
12	Cameron, LA	BENZENE	2000	53	53	53
12	Cameron, LA	BENZENE	2005	256	256	256
12	Cameron, LA	BENZENE	2006	256	256	256
12	Cameron, LA	BENZENE	2008	21	21	21
12	Claiborne, LA	BENZENE	1988	1250	1000	500
14	Claiborne, LA	BENZENE	1989	1000	1000	500
14	Claiborne, LA	BENZENE	1990	1000	1000	500
14	Claiborne, LA	BENZENE	1991	10748	10748	9748
14	Claiborne, LA	BENZENE	1994	2470	2470	2220
14	Claiborne, LA	BENZENE	1995	2470	2470	2220
14	Claiborne, LA	XYLENE (MIXED ISOMERS)	1988	1750	1000	500
14	Claiborne, LA	XYLENE (MIXED ISOMERS)	1989	1000	1000	500
14	Claiborne, LA	XYLENE (MIXED ISOMERS)	1990	1000	1000	500
14	Claiborne, LA	XYLENE (MIXED ISOMERS)	1991	14992	14992	13992
14	Claiborne, LA	XYLENE (MIXED ISOMERS)	1994	1250	1250	1000
14	Claiborne, LA	XYLENE (MIXED ISOMERS)	1995	1250	1250	1000
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0027629	0.0027629	0.002328
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0018476	0.0018476	0.000983
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0099571	0.0099571	0.004969
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0119634	0.0119634	0.007248
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0116751	0.0116751	0.00719
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0087798	0.0087798	0.006972
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0092317	0.0092317	0.007402
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0089128	0.0089128	0.007083
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0049964	0.0049964	0.002947
16	De Soto, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0048327	0.0048327	0.002816
16	De Soto, LA	FORMALDEHYDE	1988	6220	6220	5970
16	De Soto, LA	FORMALDEHYDE	1989	6377	6377	6127
16	De Soto, LA	FORMALDEHYDE	1990	6216	6216	5966
16	De Soto, LA	FORMALDEHYDE	1991	11379	11379	10667
16	De Soto, LA	FORMALDEHYDE	1992	12692	12692	12692

16	De Soto, LA	FORMALDEHYDE	1995	38345	38345	38009
16	De Soto, LA	FORMALDEHYDE	1997	37821	37821	37113
16	De Soto, LA	FORMALDEHYDE	1998	48743	48743	48028
16	De Soto, LA	FORMALDEHYDE	1999	76367	76367	76088
16	De Soto, LA	FORMALDEHYDE	2000	42420	42420	40800
16	De Soto, LA	FORMALDEHYDE	2001	40513	40513	39110
16	De Soto, LA	FORMALDEHYDE	2002	41855	41855	40407
16	De Soto, LA	FORMALDEHYDE	2003	44813	44813	43772
16	De Soto, LA	FORMALDEHYDE	2004	44012	44012	42715
16	De Soto, LA	FORMALDEHYDE	2005	42870	42870	42837
16	De Soto, LA	FORMALDEHYDE	2006	44501	44501	44473
16	De Soto, LA	FORMALDEHYDE	2007	46635	46635	46604
16	De Soto, LA	FORMALDEHYDE	2008	44749	44749	44720
16	De Soto, LA	FORMALDEHYDE	2009	41793	41793	41761
17	East Baton Rouge, LA	BENZENE	1988	558997	558158	555946
17	East Baton Rouge, LA	BENZENE	1989	511072	510487	508804
17	East Baton Rouge, LA	BENZENE	1990	313473	311318	310968
17	East Baton Rouge, LA	BENZENE	1991	7874	6791	6783
17	East Baton Rouge, LA	BENZENE	1992	282147	260965	260582
17	East Baton Rouge, LA	BENZENE	1993	165381	161604	157582
17	East Baton Rouge, LA	BENZENE	1994	183387	178862	177381
17	East Baton Rouge, LA	BENZENE	1995	196318	196263	196076
17	East Baton Rouge, LA	BENZENE	1996	139452	139310	139157
17	East Baton Rouge, LA	BENZENE	1997	96841	96428	96345
17	East Baton Rouge, LA	BENZENE	1998	72422	68419	68337
17	East Baton Rouge, LA	BENZENE	1999	66276	65899	65430
17	East Baton Rouge, LA	BENZENE	2000	11231	11231	11223
17	East Baton Rouge, LA	BENZENE	2001	83984	83625	83352
17	East Baton Rouge, LA	BENZENE	2002	82309	81564	81267
17	East Baton Rouge, LA	BENZENE	2003	63614	61897	61475

17	East Baton Rouge, LA	BENZENE	2004	84851.4	84679.4	84464.4
17	East Baton Rouge, LA	BENZENE	2005	55974	55365	55227
17	East Baton Rouge, LA	BENZENE	2006	54051	53875	53599
17	East Baton Rouge, LA	BENZENE	2007	55469.29	55187.29	54935.29
17	East Baton Rouge, LA	BENZENE	2008	46397.34	45994.34	45942.34
17	East Baton Rouge, LA	BENZENE	2009	47641.2	46971.2	46921.2
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0198551	0.0198551	0.006253
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	1.2336613	0.1487995	0.135058
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	1.4765207	0.1535198	0.138763
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	1.3102438	0.1371838	0.121206
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.1078841	0.0587126	0.043681
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.1020323	0.0764543	0.062241
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.1063806	0.0805821	0.066774
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0563511	0.0563511	0.0421
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0950119	0.0950119	0.042237
17	East Baton Rouge, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0707552	0.0707552	0.04077
17	East Baton Rouge, LA	FORMALDEHYDE	1988	46092	45212	43811
17	East Baton Rouge, LA	FORMALDEHYDE	1989	45551	44711	43411
17	East Baton Rouge, LA	FORMALDEHYDE	1990	45281	44611	43311
17	East Baton Rouge, LA	FORMALDEHYDE	1991	635	635	464
17	East Baton Rouge, LA	FORMALDEHYDE	1992	47745	47738	45607
17	East Baton Rouge, LA	FORMALDEHYDE	1993	73523	73523	71582
17	East Baton Rouge, LA	FORMALDEHYDE	1994	47037	47037	45696
17	East Baton Rouge, LA	FORMALDEHYDE	1995	25267	25267	22558

17	East Baton Rouge, LA	FORMALDEHYDE	1996	27280	27280	26872
17	East Baton Rouge, LA	FORMALDEHYDE	1997	26212	26017	25764
17	East Baton Rouge, LA	FORMALDEHYDE	1998	43161	43161	42559
17	East Baton Rouge, LA	FORMALDEHYDE	1999	35964	35698	35227
17	East Baton Rouge, LA	FORMALDEHYDE	2000	33269	32953	32908
17	East Baton Rouge, LA	FORMALDEHYDE	2001	38694	38494	38013
17	East Baton Rouge, LA	FORMALDEHYDE	2002	30765.2	30649.2	30356
17	East Baton Rouge, LA	FORMALDEHYDE	2003	30160.2	29976.2	25948
17	East Baton Rouge, LA	FORMALDEHYDE	2004	14225	14225	12664
17	East Baton Rouge, LA	FORMALDEHYDE	2005	15413	15413	14014
17	East Baton Rouge, LA	FORMALDEHYDE	2006	16306	16306	14947
17	East Baton Rouge, LA	FORMALDEHYDE	2007	38284	38284	34150
17	East Baton Rouge, LA	FORMALDEHYDE	2008	7510	7510	6026
17	East Baton Rouge, LA	FORMALDEHYDE	2009	8556	8556	7111
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1988	278523	275373	256650
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1989	223606	220385	216589
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1990	228722	219020	216662
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1991	49294	49294	49280
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1992	204186	180132	178908
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1993	262997	234230	188681
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1994	175807	140537	135250
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1995	166906	164062	163641
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1996	146727	143328	143230
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1997	126937	122912	122740

17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1998	157729	150662	150411
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1999	134564	127623	125894
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2000	24597	24576	24519
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2001	152268	147614	147452
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2002	152067	142202	142128
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2003	145679	139753	139680
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2004	129317	126339	126153
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2005	158636	152125	152044
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2006	116557	113818	113709
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2007	123450.53	119418.53	119298.5
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2008	123103	117946	117834
17	East Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2009	152000.58	144556.58	144446.6
21	Franklin, LA	XYLENE (MIXED ISOMERS)	2002	3304	3304	500
21	Franklin, LA	XYLENE (MIXED ISOMERS)	2003	1751	1751	207
21	Franklin, LA	XYLENE (MIXED ISOMERS)	2004	93	93	93
21	Franklin, LA	XYLENE (MIXED ISOMERS)	2005	68	68	68
21	Franklin, LA	XYLENE (MIXED ISOMERS)	2006	68	68	68
21	Franklin, LA	XYLENE (MIXED ISOMERS)	2007	60	60	60
22	Grant, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0005146	0.0005146	0.000515
22	Grant, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0004675	0.0004675	0.000467
22	Grant, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0004586	0.0004586	0.000459
22	Grant, LA	FORMALDEHYDE	1988	0	0	0
22	Grant, LA	FORMALDEHYDE	1990	0	0	0
23	Iberia, LA	BENZENE	1996	192	192	192
23	Iberia, LA	XYLENE (MIXED ISOMERS)	1998	45605	45605	45605
23	Iberia, LA	XYLENE (MIXED ISOMERS)	1999	10205	10205	10205
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2000	20900	20900	20900
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2001	15000	15000	15000
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2002	41963	41963	41963
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2003	51080	51080	51080
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2004	35905.2	35905.2	35905.2

23	Iberia, LA	XYLENE (MIXED ISOMERS)	2005	27223	27223	27223
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2006	26671	26671	26671
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2007	11708	11708	11708
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2008	41588	41588	41588
23	Iberia, LA	XYLENE (MIXED ISOMERS)	2009	24500	24500	24500
24	Iberville, LA	BENZENE	1988	317294	317294	314738
24	Iberville, LA	BENZENE	1989	318359	318359	317815
24	Iberville, LA	BENZENE	1990	176798	176798	175996
24	Iberville, LA	BENZENE	1991	48556	48556	48441
24	Iberville, LA	BENZENE	1992	75313	75313	75224
24	Iberville, LA	BENZENE	1993	67499	67499	66739
24	Iberville, LA	BENZENE	1994	79829	79828	79780
24	Iberville, LA	BENZENE	1995	60538	42451	42431
24	Iberville, LA	BENZENE	1996	49715	49443	49327
24	Iberville, LA	BENZENE	1997	41080	41080	41059
24	Iberville, LA	BENZENE	1998	111862	111856	61833
24	Iberville, LA	BENZENE	1999	191701	191695	42686
24	Iberville, LA	BENZENE	2000	299463	299432	44729
24	Iberville, LA	BENZENE	2001	118269	118208	39843
24	Iberville, LA	BENZENE	2002	265437	265256	44713
24	Iberville, LA	BENZENE	2003	179550	179479	72415
24	Iberville, LA	BENZENE	2004	187366.77	187193.77	65368.77
24	Iberville, LA	BENZENE	2005	54646	54646	54568
24	Iberville, LA	BENZENE	2006	52248	52248	52068
24	Iberville, LA	BENZENE	2007	56170	56170	56106
24	Iberville, LA	BENZENE	2008	55536.2	55536.2	55427
24	Iberville, LA	BENZENE	2009	54132	54132	54092
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	3.5886624	2.6412471	0.010365
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	1.1546693	0.6368799	0.041783
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	4.330838	3.7173998	0.037398
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	1.3478776	0.7411065	0.013114
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	1.3312231	0.8152151	0.007925
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	1.6209554	0.8615791	0.028043
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	1.200615	0.6145135	0.014734
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	1.0136544	0.463941	0.014584
24	Iberville, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	1.5834927	0.8122501	0.014578

24	Iberville, LA	FORMALDEHYDE	1988	16220	16220	15800
24	Iberville, LA	FORMALDEHYDE	1989	15421	15421	15001
24	Iberville, LA	FORMALDEHYDE	1990	590	590	170
24	Iberville, LA	FORMALDEHYDE	1991	15793	15793	15203
24	Iberville, LA	FORMALDEHYDE	1992	9603	9603	9073
24	Iberville, LA	FORMALDEHYDE	1993	1097	1097	977
24	Iberville, LA	FORMALDEHYDE	1994	441	441	322
24	Iberville, LA	FORMALDEHYDE	1995	461	461	342
24	Iberville, LA	FORMALDEHYDE	1996	454	454	335
24	Iberville, LA	FORMALDEHYDE	1997	464	464	344
24	Iberville, LA	FORMALDEHYDE	1998	25592	25592	483
24	Iberville, LA	FORMALDEHYDE	1999	517	517	398
24	Iberville, LA	FORMALDEHYDE	2000	14355	13244	460
24	Iberville, LA	FORMALDEHYDE	2001	408	408	289
24	Iberville, LA	FORMALDEHYDE	2002	6534	6534	6415
24	Iberville, LA	FORMALDEHYDE	2003	980	980	862
24	Iberville, LA	FORMALDEHYDE	2004	329	329	329
24	Iberville, LA	FORMALDEHYDE	2005	2	2	2
24	Iberville, LA	FORMALDEHYDE	2006	620	620	620
24	Iberville, LA	FORMALDEHYDE	2007	9139	9139	9139
24	Iberville, LA	FORMALDEHYDE	2008	9097	9097	9097
24	Iberville, LA	FORMALDEHYDE	2009	9308	9308	9308
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1988	22656	22656	22636
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1989	18144	17394	17132
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1990	17551	17551	17535
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1991	210	210	210
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1992	37046	37046	37043
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1993	37661	37661	37661
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1994	49943	49943	49943
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1995	32702	32702	32702
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1996	15018	13948	13948
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1997	35836	35836	32640
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1998	29819	29819	29819
24	Iberville, LA	XYLENE (MIXED ISOMERS)	1999	62758	62758	25734
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2000	99384	99383	24598
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2001	35948	35908	34908
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2002	27965	27958	27958
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2003	26943	26943	26943
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2004	42522.01	42477.01	14521.01
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2005	19439	19439	19439
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2006	27333	27333	27328
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2007	35273	35273	27194
24	Iberville, LA	XYLENE (MIXED ISOMERS)	2008	39664	39664	30090

24	Iberville, LA	XYLENE (MIXED ISOMERS)	2009	19001	19001	19001
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0017927	0.0017927	0.001757
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0015942	0.0015942	0.001588
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.001678	0.001678	0.001674
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0018125	0.0018125	0.001808
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0019448	0.0019448	0.00194
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0018809	0.0018809	0.001874
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.001872	0.001872	0.001835
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0037882	0.0037882	0.001914
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0020729	0.0020729	0.002007
25	Jackson, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0020439	0.0020439	0.001983
25	Jackson, LA	FORMALDEHYDE	1994	27000	27000	27000
25	Jackson, LA	FORMALDEHYDE	1995	26000	26000	26000
25	Jackson, LA	FORMALDEHYDE	1996	29000	29000	29000
25	Jackson, LA	FORMALDEHYDE	1997	32000	32000	32000
25	Jackson, LA	FORMALDEHYDE	1998	31000	31000	31000
25	Jackson, LA	FORMALDEHYDE	1999	29860	29860	29860
25	Jackson, LA	FORMALDEHYDE	2000	28767	28767	28767
25	Jackson, LA	FORMALDEHYDE	2003	19696	19696	19654
25	Jackson, LA	FORMALDEHYDE	2004	20898	20898	20855
25	Jackson, LA	FORMALDEHYDE	2005	20872	20872	20831
25	Jackson, LA	FORMALDEHYDE	2006	25981	25981	25940
25	Jackson, LA	FORMALDEHYDE	2007	25837.62	25837.62	25802.62
25	Jackson, LA	FORMALDEHYDE	2008	26460.65	26460.65	26460.65
25	Jackson, LA	FORMALDEHYDE	2009	20500.708	20500.708	20500.71
26	Jefferson, LA	BENZENE	1998	226	226	225
26	Jefferson, LA	BENZENE	1999	809	809	809
26	Jefferson, LA	BENZENE	2000	320	320	320
26	Jefferson, LA	BENZENE	2001	226	226	223
26	Jefferson, LA	BENZENE	2002	263	263	263
26	Jefferson, LA	BENZENE	2003	281	281	281
26	Jefferson, LA	BENZENE	2004	289	289	289
26	Jefferson, LA	BENZENE	2005	272	272	272
26	Jefferson, LA	BENZENE	2006	454	454	454
26	Jefferson, LA	BENZENE	2007	488	487	487

26	Jefferson, LA	BENZENE	2008	337	335	335
26	Jefferson, LA	BENZENE	2009	321	321	321
26	Jefferson, LA	FORMALDEHYDE	1990	5076	5076	5076
26	Jefferson, LA	FORMALDEHYDE	2000	396	396	396
26	Jefferson, LA	FORMALDEHYDE	2001	500	500	500
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1988	712008	712008	712008
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1989	851507	851257	851257
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1990	494158	493408	493408
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1991	603954	603699	599549
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1992	371620	371620	371620
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1993	232689	232689	232689
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1994	259728	258086	258084
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1995	225836	224235	224229
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1996	154927	154927	154927
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1997	198183	198167	198159
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1998	182222	180722	180712
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	1999	140056	137456	137451
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2000	145783	141480	141475
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2001	294517	247564	247551
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2002	138168.54	138168.54	138161
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2003	95736	95736	95731
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2004	92387	92387	92382
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2005	55602	55602	55597
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2006	43028	43028	43028
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2007	5795	5793	5788
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2008	14393	14380	14380
26	Jefferson, LA	XYLENE (MIXED ISOMERS)	2009	13056	12989	12989
28	Lafayette, LA	BENZENE	2001	0		
28	Lafayette, LA	BENZENE	2002	0		
28	Lafayette, LA	BENZENE	2003	0		
28	Lafayette, LA	FORMALDEHYDE	2007	51	51	51
28	Lafayette, LA	FORMALDEHYDE	2008	51	51	51
28	Lafayette, LA	FORMALDEHYDE	2009	56	56	56
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1988	6094	5844	5844
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1989	5420	5177	4927
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1990	7122	6035	6035
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1991	27717	2487	2487
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1992	16538	2961	2711
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1993	13298	2736	2736
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1994	1949	1949	1949
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1995	1897	1897	1897
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1996	1743	1743	1679
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1997	960	960	960

28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1998	564	564	550
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	1999	802	798	798
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2000	840	840	840
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2001	924	924	924
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2002	1091	1010	1010
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2003	1023	873	873
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2004	235	235	235
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2005	1888	1478	1478
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2006	9497	1997	1997
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2007	11241	3741	3741
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2008	3224.21	2224.21	2224.21
28	Lafayette, LA	XYLENE (MIXED ISOMERS)	2009	4183.65	4183.65	4183.65
29	Lafourche, LA	BENZENE	1999	0		
29	Lafourche, LA	BENZENE	2001	0		
29	Lafourche, LA	BENZENE	2002	0		
29	Lafourche, LA	BENZENE	2003	0		
29	Lafourche, LA	BENZENE	2004	0	0	0
29	Lafourche, LA	FORMALDEHYDE	1988	8535	5504	3550
29	Lafourche, LA	FORMALDEHYDE	1989	7014	5266	3350
29	Lafourche, LA	FORMALDEHYDE	1990	15936	13970	12020
29	Lafourche, LA	FORMALDEHYDE	1991	51388	49636	6786
29	Lafourche, LA	FORMALDEHYDE	1992	12250	9950	7800
29	Lafourche, LA	FORMALDEHYDE	1993	14580	12780	8730
29	Lafourche, LA	FORMALDEHYDE	1994	20470	17770	11770
29	Lafourche, LA	FORMALDEHYDE	1995	17975	15875	10170
29	Lafourche, LA	FORMALDEHYDE	1996	13927	13683	11483
29	Lafourche, LA	FORMALDEHYDE	1997	17481	17481	15980
29	Lafourche, LA	FORMALDEHYDE	1998	5495	5495	4095
29	Lafourche, LA	FORMALDEHYDE	1999	3130	3130	1730
29	Lafourche, LA	FORMALDEHYDE	2001	2620	2620	1420
29	Lafourche, LA	FORMALDEHYDE	2002	2220	2220	1220
29	Lafourche, LA	FORMALDEHYDE	2003	2494	2494	139
29	Lafourche, LA	FORMALDEHYDE	2004	24142	24142	1225
29	Lafourche, LA	FORMALDEHYDE	2005	16927	16927	900
29	Lafourche, LA	FORMALDEHYDE	2006	15095	15095	800
29	Lafourche, LA	FORMALDEHYDE	2007	13720	13720	724
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1988	581	581	581
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1989	19335	19335	19335
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1990	16707	16707	16707
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1991	42232	42232	42232
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1992	25983	25983	25983
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1993	27250	27250	27250
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1994	54398	54398	54398

29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1995	28721	28721	28721
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1996	19000	19000	19000
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1997	45122	45122	45122
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1998	34127	34127	34127
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	1999	42074	42074	42074
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2000	28995	28995	28995
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2001	16755	16755	16755
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2002	19000	19000	19000
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2003	13000	13000	13000
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2005	36957.6	36957.6	36957.6
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2006	27832	27832	27832
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2007	41363.2	41363.2	41363.2
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2008	153477.6	100317.22	100317.2
29	Lafourche, LA	XYLENE (MIXED ISOMERS)	2009	37614	37614	37614
30	La Salle, LA	BENZENE	1999	51	51	51
30	La Salle, LA	BENZENE	2001	0		
30	La Salle, LA	BENZENE	2002	0		
30	La Salle, LA	BENZENE	2003	0		
30	La Salle, LA	BENZENE	2004	0		
30	La Salle, LA	BENZENE	2005	0		
30	La Salle, LA	BENZENE	2006	0		
30	La Salle, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0004175	0.0004173	0.000412
30	La Salle, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0003715	0.0003713	0.000367
30	La Salle, LA	FORMALDEHYDE	1988	13760	13760	13510
30	La Salle, LA	FORMALDEHYDE	1989	11591	11591	11341
30	La Salle, LA	FORMALDEHYDE	1990	12438	12438	12188
30	La Salle, LA	FORMALDEHYDE	1991	18956	18956	18700
30	La Salle, LA	FORMALDEHYDE	1992	28494	28494	28114
30	La Salle, LA	FORMALDEHYDE	1993	67826	67826	67826
30	La Salle, LA	FORMALDEHYDE	1994	47620	47620	47620
30	La Salle, LA	FORMALDEHYDE	1995	22416	22416	22416
30	La Salle, LA	FORMALDEHYDE	1997	14375	14375	14375
30	La Salle, LA	FORMALDEHYDE	1998	12406	12406	12406
30	La Salle, LA	FORMALDEHYDE	1999	13000	13000	13000
30	La Salle, LA	FORMALDEHYDE	2000	14940	14940	14940
30	La Salle, LA	XYLENE (MIXED ISOMERS)	1999	0		
30	La Salle, LA	XYLENE (MIXED ISOMERS)	2001	0		
30	La Salle, LA	XYLENE (MIXED ISOMERS)	2002	0		
30	La Salle, LA	XYLENE (MIXED ISOMERS)	2003	0		
30	La Salle, LA	XYLENE (MIXED ISOMERS)	2004	0		
30	La Salle, LA	XYLENE (MIXED ISOMERS)	2005	0		

30	La Salle, LA	XYLENE (MIXED ISOMERS)	2006	0		
31	Lincoln, LA	BENZENE	1989	5718	5718	5718
31	Lincoln, LA	BENZENE	1991	11436	11436	11436
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0003041	0.0003041	0.000263
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0002606	0.0002258	0.000226
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0002617	0.0002267	0.000227
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0003173	0.0002798	0.00028
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0002805	0.000243	0.000243
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0002787	0.0002414	0.000241
31	Lincoln, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0002589	0.000241	0.000241
31	Lincoln, LA	FORMALDEHYDE	1988	36000	36000	36000
31	Lincoln, LA	FORMALDEHYDE	1989	33000	33000	33000
31	Lincoln, LA	FORMALDEHYDE	1990	36200	36200	36200
31	Lincoln, LA	FORMALDEHYDE	1998	57527	57527	57527
31	Lincoln, LA	FORMALDEHYDE	1999	57385	57385	57385
31	Lincoln, LA	FORMALDEHYDE	2000	59621	59621	59621
31	Lincoln, LA	FORMALDEHYDE	2001	57590	57590	57590
31	Lincoln, LA	FORMALDEHYDE	2002	46679	46679	46679
31	Lincoln, LA	FORMALDEHYDE	2003	32536	32536	32536
31	Lincoln, LA	FORMALDEHYDE	2004	37150	37150	37150
31	Lincoln, LA	FORMALDEHYDE	2005	38546	38546	38546
31	Lincoln, LA	FORMALDEHYDE	2006	42895	42895	42895
31	Lincoln, LA	FORMALDEHYDE	2007	31750	31750	31750
31	Lincoln, LA	FORMALDEHYDE	2008	47424	47424	47424
31	Lincoln, LA	FORMALDEHYDE	2009	23753	23753	23753
31	Lincoln, LA	XYLENE (MIXED ISOMERS)	1989	10359	10359	10359
31	Lincoln, LA	XYLENE (MIXED ISOMERS)	1991	20718	20718	20718
32	Livingston, LA	BENZENE	1999	0		
32	Livingston, LA	BENZENE	2001	0		
32	Livingston, LA	BENZENE	2002	0		
32	Livingston, LA	BENZENE	2003	0		
32	Livingston, LA	BENZENE	2004	0		
32	Livingston, LA	BENZENE	2005	0		
32	Livingston, LA	FORMALDEHYDE	1988	500	0	0
32	Livingston, LA	FORMALDEHYDE	1989	1000	500	500
32	Livingston, LA	FORMALDEHYDE	1990	260	10	10
32	Livingston, LA	FORMALDEHYDE	1991	250	250	250

32	Livingston, LA	FORMALDEHYDE	1994	10	10	10
32	Livingston, LA	FORMALDEHYDE	1995	0		
32	Livingston, LA	FORMALDEHYDE	1996	0		
32	Livingston, LA	FORMALDEHYDE	1997	0		
32	Livingston, LA	FORMALDEHYDE	1998	0		
32	Livingston, LA	FORMALDEHYDE	2008	0		
32	Livingston, LA	FORMALDEHYDE	2009	0		
32	Livingston, LA	XYLENE (MIXED ISOMERS)	1993	2722	2722	2722
32	Livingston, LA	XYLENE (MIXED ISOMERS)	1999	0		
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2001	0		
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2002	5065	5065	5065
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2003	620	620	620
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2004	9991.7	9991.7	9991.7
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2005	13001.7	13001.7	13001.7
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2006	0		
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2007	44608.16	44608.16	44608.16
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2008	10494.6	10494.6	10494.6
32	Livingston, LA	XYLENE (MIXED ISOMERS)	2009	15669.5	15669.5	15669.5
33	Madison, LA	BENZENE	1998	0		
33	Madison, LA	BENZENE	1999	0		
33	Madison, LA	BENZENE	2001	0		
33	Madison, LA	BENZENE	2002	0		
33	Madison, LA	BENZENE	2003	0		
33	Madison, LA	BENZENE	2004	0		
33	Madison, LA	BENZENE	2005	0		
33	Madison, LA	BENZENE	2006	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	1998	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	1999	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	2001	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	2002	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	2003	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	2004	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	2005	0		
33	Madison, LA	XYLENE (MIXED ISOMERS)	2006	0		
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0090493	0.0090493	0.008335
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0032036	0.0032036	0.002174
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.002951	0.002951	0.002069
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0031937	0.0031937	0.002247
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0031375	0.0031375	0.002355

34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0028892	0.0028892	0.002048
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.003057	0.003057	0.002127
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0029946	0.0029946	0.002083
34	Morehouse, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.002624	0.002624	0.001806
34	Morehouse, LA	FORMALDEHYDE	1996	26967	26967	26097
34	Morehouse, LA	FORMALDEHYDE	1997	27307	27307	27097
34	Morehouse, LA	FORMALDEHYDE	1999	28352	28352	28300
34	Morehouse, LA	FORMALDEHYDE	2000	30456	30456	30400
34	Morehouse, LA	FORMALDEHYDE	2001	30853	30853	27780
34	Morehouse, LA	FORMALDEHYDE	2002	28502	28502	27710
34	Morehouse, LA	FORMALDEHYDE	2003	38592	38592	37800
34	Morehouse, LA	FORMALDEHYDE	2004	36330	36330	29112
34	Morehouse, LA	FORMALDEHYDE	2005	26175	26175	20366
34	Morehouse, LA	FORMALDEHYDE	2006	16813	16813	11989
34	Morehouse, LA	FORMALDEHYDE	2007	17591	17591	12047
34	Morehouse, LA	FORMALDEHYDE	2008	17684	17684	10890
35	Natchitoches, LA	BENZENE	2001	0		
35	Natchitoches, LA	BENZENE	2002	0		
35	Natchitoches, LA	BENZENE	2003	0		
35	Natchitoches, LA	BENZENE	2004	0		
35	Natchitoches, LA	BENZENE	2005	0		
35	Natchitoches, LA	BENZENE	2006	0		
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	4.41E-05	4.41E-05	4.41E-05
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0018743	0.0018743	0.001742
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0024476	0.0024476	0.002205
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0025181	0.0025181	0.002231
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0025452	0.0025452	0.00227
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0024899	0.0024899	0.00224
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0024326	0.0024326	0.002169
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0029454	0.0029454	0.002325
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0026215	0.0026215	0.001981
35	Natchitoches, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0039514	0.0039514	0.003247

35	Natchitoches, LA	FORMALDEHYDE	1997	19175	19175	18600
35	Natchitoches, LA	FORMALDEHYDE	1998	18831	18831	18200
35	Natchitoches, LA	FORMALDEHYDE	1999	18127	18127	16847
35	Natchitoches, LA	FORMALDEHYDE	2001	22662	22662	20062
35	Natchitoches, LA	FORMALDEHYDE	2002	19304	19304	16473
35	Natchitoches, LA	FORMALDEHYDE	2003	22125	22125	19716
35	Natchitoches, LA	FORMALDEHYDE	2004	29288	29288	23881
35	Natchitoches, LA	FORMALDEHYDE	2005	19361	19361	16129
35	Natchitoches, LA	FORMALDEHYDE	2006	19771	19771	15728
35	Natchitoches, LA	FORMALDEHYDE	2007	19128	19128	15319
35	Natchitoches, LA	FORMALDEHYDE	2008	18552	18552	14813
35	Natchitoches, LA	FORMALDEHYDE	2009	29067	29067	25716
35	Natchitoches, LA	XYLENE (MIXED ISOMERS)	2001	0		
35	Natchitoches, LA	XYLENE (MIXED ISOMERS)	2002	0		
35	Natchitoches, LA	XYLENE (MIXED ISOMERS)	2003	0		
		DIOXIN AND DIOXIN-LIKE				
36	Orleans, LA	COMPOUNDS	2001	0.000441	0.000441	0.000441
36	Orleans, LA	XYLENE (MIXED ISOMERS)	1988	1217	1217	1217
36	Orleans, LA	XYLENE (MIXED ISOMERS)	1989	81218	81218	81218
36	Orleans, LA	XYLENE (MIXED ISOMERS)	1990	60815	60815	60815
36	Orleans, LA	XYLENE (MIXED ISOMERS)	1991	104000	104000	104000
36	Orleans, LA	XYLENE (MIXED ISOMERS)	1992	79157	79157	79157
36	Orleans, LA	XYLENE (MIXED ISOMERS)	1994	10962	10962	10962
37	Ouachita, LA	BENZENE	2001	0		
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2001	0.0022932	0.0022932	0.002293
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2002	0.0022271	0.0022271	0.002227
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2003	0.0023814	0.0023814	0.002381
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2004	0.0028445	0.0028445	0.002844
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2005	0.0024696	0.0024696	0.00247
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2006	0.0025358	0.0025358	0.002536
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2007	0.0027342	0.0027342	0.002734
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2008	0.0089964	0.0089964	0.008996
		DIOXIN AND DIOXIN-LIKE				
37	Ouachita, LA	COMPOUNDS	2009	0.0104204	0.0104204	0.01042
37	Ouachita, LA	FORMALDEHYDE	1988	3316779	3316779	7637
37	Ouachita, LA	FORMALDEHYDE	1989	2605854	2605854	4432
37	Ouachita, LA	FORMALDEHYDE	1990	2505147	2505147	4280

37	Ouachita, LA	FORMALDEHYDE	1991	982570	915570	1870
37	Ouachita, LA	FORMALDEHYDE	1992	1907700	1907700	6800
37	Ouachita, LA	FORMALDEHYDE	1993	2536300	2536300	34400
37	Ouachita, LA	FORMALDEHYDE	1994	2663670	2663670	31800
37	Ouachita, LA	FORMALDEHYDE	1995	2540893	2540893	32619
37	Ouachita, LA	FORMALDEHYDE	1996	34513	34513	33494
37	Ouachita, LA	FORMALDEHYDE	1997	2498870	2498870	13713
37	Ouachita, LA	FORMALDEHYDE	1998	2598784	2598784	13304
37	Ouachita, LA	FORMALDEHYDE	1999	3166840	3166840	16941
37	Ouachita, LA	FORMALDEHYDE	2001	1780337	1780337	16981
37	Ouachita, LA	FORMALDEHYDE	2002	2673771	2673771	16853
37	Ouachita, LA	FORMALDEHYDE	2003	2249028	2249028	10842
37	Ouachita, LA	FORMALDEHYDE	2004	2483324	2483324	10415
37	Ouachita, LA	FORMALDEHYDE	2005	2427341.5	2427341.5	10272
37	Ouachita, LA	FORMALDEHYDE	2006	1826749	1826749	10246
37	Ouachita, LA	FORMALDEHYDE	2007	1850932.5	1850932.5	9873.1
37	Ouachita, LA	FORMALDEHYDE	2008	1860345	1860345	10391
37	Ouachita, LA	FORMALDEHYDE	2009	1822834	1822834	9223
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	1997	9000	9000	9000
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	1998	5000	5000	5000
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	1999	3500	3500	3500
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2001	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2002	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2003	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2004	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2005	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2006	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2007	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2008	0		
37	Ouachita, LA	XYLENE (MIXED ISOMERS)	2009	1.86	1.86	1.86
38	Plaquemines, LA	BENZENE	1988	623933	623933	623000
38	Plaquemines, LA	BENZENE	1989	343181	343181	342900
38	Plaquemines, LA	BENZENE	1990	331924	323026	322400
38	Plaquemines, LA	BENZENE	1991	1	1	1
38	Plaquemines, LA	BENZENE	1992	361115	359815	359700
38	Plaquemines, LA	BENZENE	1993	181726	178026	178001
38	Plaquemines, LA	BENZENE	1994	75662	69042	69000
38	Plaquemines, LA	BENZENE	1995	53026	49026	49000
38	Plaquemines, LA	BENZENE	1996	54038	38018	38000
38	Plaquemines, LA	BENZENE	1997	38015	38015	38000
38	Plaquemines, LA	BENZENE	1998	48716	48716	48700
38	Plaquemines, LA	BENZENE	1999	28896	28896	28700
38	Plaquemines, LA	BENZENE	2001	37461	37456	37428

38	Plaquemines, LA	BENZENE	2002	32130.19	32123.19	32086.19
38	Plaquemines, LA	BENZENE	2003	34689	34682	34663
38	Plaquemines, LA	BENZENE	2004	58400	58393	58361
38	Plaquemines, LA	BENZENE	2005	69078	69065	69040
38	Plaquemines, LA	BENZENE	2006	45042	45027	45006
38	Plaquemines, LA	BENZENE	2007	48131	48125	48100
38	Plaquemines, LA	BENZENE	2008	40854	40845	40800
38	Plaquemines, LA	BENZENE	2009	42253	42237	42200
38	Plaquemines, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0001323	0.0001323	0.000132
38	Plaquemines, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0007938	0.0007938	0.000794
38	Plaquemines, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0007938	0.0007938	0.000794
38	Plaquemines, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0003043	0.0003043	0.000304
38	Plaquemines, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0001011	0.0001011	0.000101
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1988	636217	636217	633060
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1989	454765	454763	452825
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1990	456298	451180	451001
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1991	1425	1425	1307
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1992	435939	435339	435161
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1993	203035	203035	202837
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1994	40842	39220	39022
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1995	102679	100061	99846
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1996	94111	85338	79772
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1997	70963	70952	68833
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1998	78229	78210	77422
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	1999	62088	62088	61955
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2000	9491	9491	9491
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2001	46791	41375	41345
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2002	35532	35170	35071
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2003	42888	41854	36811
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2004	43555	38652	38582
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2005	29521	29470	29442
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2006	29211	26119	25977
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2007	34065	34021	33976
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2008	31564	31534	31476
38	Plaquemines, LA	XYLENE (MIXED ISOMERS)	2009	32733	32625	32580
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0019845	0.0019845	0.001985
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0019184	0.0019184	0.001918

39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0019404	0.0019404	0.00194
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0020727	0.0020727	0.002073
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0021168	0.0021168	0.002117
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0020286	0.0020286	0.002029
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.002183	0.002183	0.002183
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0020727	0.0020727	0.002073
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0021389	0.0021389	0.002139
39	Pointe Coupee, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0020507	0.0020507	0.002051
40	Rapides, LA	BENZENE	2003	0		
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0024696	0.0024696	0.00247
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.07079	0.07079	0.001363
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	10.431304	0.0678038	0.001427
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.9182934	0.0098334	0.00253
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	1.0621375	0.0084537	0.001587
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	1.2917457	0.0085431	0.001674
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.6369445	0.0089325	0.002073
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.1439514	0.0105119	0.001676
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.4113976	0.013351	0.001449
40	Rapides, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.5929027	0.0120536	0.001319
40	Rapides, LA	FORMALDEHYDE	1988	6400	6400	6400
40	Rapides, LA	FORMALDEHYDE	1989	2120	2120	2120
40	Rapides, LA	FORMALDEHYDE	1990	1000	1000	1000
40	Rapides, LA	FORMALDEHYDE	1991	1000	1000	1000
40	Rapides, LA	FORMALDEHYDE	1992	755	755	755
40	Rapides, LA	FORMALDEHYDE	1993	1066	1066	1066
40	Rapides, LA	FORMALDEHYDE	1994	1817	1817	1817
40	Rapides, LA	FORMALDEHYDE	1995	2100	2100	2100
40	Rapides, LA	FORMALDEHYDE	1996	1950	1950	1950

40	Rapides, LA	FORMALDEHYDE	1997	14860	14860	14860
40	Rapides, LA	FORMALDEHYDE	1998	14190	14190	14190
40	Rapides, LA	FORMALDEHYDE	1999	17100	17100	17100
40	Rapides, LA	FORMALDEHYDE	2000	13650	13650	13558
40	Rapides, LA	FORMALDEHYDE	2001	14119	14119	14009
40	Rapides, LA	FORMALDEHYDE	2002	13667	13667	13564
40	Rapides, LA	FORMALDEHYDE	2003	12611	12611	12510
40	Rapides, LA	FORMALDEHYDE	2004	14039	14039	14010
40	Rapides, LA	FORMALDEHYDE	2005	12646	12646	12628
40	Rapides, LA	FORMALDEHYDE	2006	14201	14201	14142
40	Rapides, LA	FORMALDEHYDE	2007	14193	14193	14135
40	Rapides, LA	FORMALDEHYDE	2008	12704	12704	12623
40	Rapides, LA	FORMALDEHYDE	2009	12957	12957	10388
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1988	20200	20200	20200
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1989	19960	19960	19960
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1990	20988	20988	20988
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1991	254	254	254
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1993	24000	24000	24000
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1995	10687	10687	10687
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1996	10422	10422	10422
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1997	13315	13315	13315
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1998	14519	14519	14519
40	Rapides, LA	XYLENE (MIXED ISOMERS)	1999	18645	18645	18645
40	Rapides, LA	XYLENE (MIXED ISOMERS)	2000	9564	9564	9564
40	Rapides, LA	XYLENE (MIXED ISOMERS)	2001	1854	1854	1854
40	Rapides, LA	XYLENE (MIXED ISOMERS)	2003	0		
40	Rapides, LA	XYLENE (MIXED ISOMERS)	2007	1049	1049	1049
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0002911	0.0002911	0.000291
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0002403	0.0002403	0.00024
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.000299	0.000299	0.000299
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0002988	0.0002988	0.000299
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0003052	0.0003052	0.000305
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0003177	0.0003177	0.000318
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0002419	0.0002419	0.000242
41	Red River, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0002465	0.0002465	0.000247
42	Richland, LA	XYLENE (MIXED ISOMERS)	1988	34562	34562	34562

42	Richland, LA	XYLENE (MIXED ISOMERS)	1989	99250	99250	99250
42	Richland, LA	XYLENE (MIXED ISOMERS)	1990	55950	55950	55950
42	Richland, LA	XYLENE (MIXED ISOMERS)	1991	43930	43930	43930
42	Richland, LA	XYLENE (MIXED ISOMERS)	1992	9500	9500	9500
42	Richland, LA	XYLENE (MIXED ISOMERS)	1993	7290	7290	7290
42	Richland, LA	XYLENE (MIXED ISOMERS)	1994	14455	14455	14455
43	Sabine, LA	BENZENE	2001	0		
43	Sabine, LA	BENZENE	2002	0		
43	Sabine, LA	BENZENE	2003	0		
43	Sabine, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0003876	0.0003876	0.000346
43	Sabine, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0003008	0.0003008	0.00027
43	Sabine, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0002809	0.0002809	0.000253
43	Sabine, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0003358	0.0003358	0.000301
43	Sabine, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0003021	0.0003021	0.000287
43	Sabine, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0002703	0.0002703	0.000243
43	Sabine, LA	FORMALDEHYDE	1988	0	0	0
43	Sabine, LA	FORMALDEHYDE	1989	0	0	0
43	Sabine, LA	FORMALDEHYDE	1990	0	0	0
43	Sabine, LA	FORMALDEHYDE	2006	9322	9322	9322
43	Sabine, LA	FORMALDEHYDE	2007	8832	8832	8832
43	Sabine, LA	XYLENE (MIXED ISOMERS)	2001	0		
43	Sabine, LA	XYLENE (MIXED ISOMERS)	2002	0		
43	Sabine, LA	XYLENE (MIXED ISOMERS)	2003	0		
44	St Bernard, LA	BENZENE	1988	95928	95800	95660
44	St Bernard, LA	BENZENE	1989	81820	81640	74980
44	St Bernard, LA	BENZENE	1990	113807	113543	90550
44	St Bernard, LA	BENZENE	1991	94860	94770	70770
44	St Bernard, LA	BENZENE	1992	48945	48769	43469
44	St Bernard, LA	BENZENE	1993	45171	44940	44940
44	St Bernard, LA	BENZENE	1994	41602	41449	41449
44	St Bernard, LA	BENZENE	1995	39444	39430	39430
44	St Bernard, LA	BENZENE	1996	31701	31700	31700
44	St Bernard, LA	BENZENE	1997	42059	42000	42000
44	St Bernard, LA	BENZENE	1998	38354	38352	38352
44	St Bernard, LA	BENZENE	1999	36179	36179	36179
44	St Bernard, LA	BENZENE	2001	66643	66570	66370
44	St Bernard, LA	BENZENE	2002	131873	131873	131495
44	St Bernard, LA	BENZENE	2003	117370.54	116712.85	116231

44	St Bernard, LA	BENZENE	2004	55778	55769	55195
44	St Bernard, LA	BENZENE	2005	59743	59714	59268
44	St Bernard, LA	BENZENE	2006	51728	51694	51272
44	St Bernard, LA	BENZENE	2007	46164	46139	45717
44	St Bernard, LA	BENZENE	2008	39082	39030	38564
44	St Bernard, LA	BENZENE	2009	41191	41158	40747
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0011257	0.0011257	0.001126
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0010963	0.0010963	0.001096
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0008	0.0008	0.0008
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0012835	0.0012835	0.001284
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0010959	0.0010959	0.001096
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.000895	0.000895	0.000895
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0012414	0.0012414	0.001241
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0011627	0.0011627	0.001163
44	St Bernard, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0012183	0.0012183	0.001218
44	St Bernard, LA	FORMALDEHYDE	1991	340	340	340
44	St Bernard, LA	FORMALDEHYDE	2002	1500	1500	1500
44	St Bernard, LA	FORMALDEHYDE	2003	7612	7612	7612
44	St Bernard, LA	FORMALDEHYDE	2004	3112	3112	3112
44	St Bernard, LA	FORMALDEHYDE	2005	3001	3001	3001
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1988	230154	230000	230000
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1989	151807	151419	147119
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1990	197763	196160	187190
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1991	314736	314530	305130
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1992	131887	131563	129563
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1993	146447	146171	146171
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1994	120244	120146	120146
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1995	126244	126229	126229
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1996	126002	126000	126000
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1997	122483	122470	122470
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1998	112597	112568	112568
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	1999	110609	110553	110553
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2001	300381	300347	300340
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2002	347499	347499	347428
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2003	268067.23	266266.22	265885
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2004	255032.37	254198.37	253757

44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2005	337817	337733	337724
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2006	290242	289842	289660
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2007	188335	187910	187698
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2008	134494	132912	132401
44	St Bernard, LA	XYLENE (MIXED ISOMERS)	2009	123023	122449	122196
45	St Charles, LA	BENZENE	1988	190148	190148	136518
45	St Charles, LA	BENZENE	1989	218540	218540	162740
45	St Charles, LA	BENZENE	1990	261787	261787	202769
45	St Charles, LA	BENZENE	1991	140135	140135	140015
45	St Charles, LA	BENZENE	1992	97858	97849	97849
45	St Charles, LA	BENZENE	1993	74343	74269	74104
45	St Charles, LA	BENZENE	1994	152566	152463	152288
45	St Charles, LA	BENZENE	1995	120631	120631	119989
45	St Charles, LA	BENZENE	1996	33301	33301	33180
45	St Charles, LA	BENZENE	1997	107623	107620	105405
45	St Charles, LA	BENZENE	1998	219528	218677	215473
45	St Charles, LA	BENZENE	1999	141200	141186	140104
45	St Charles, LA	BENZENE	2000	11847	11847	11690
45	St Charles, LA	BENZENE	2001	107586	106893	106612
45	St Charles, LA	BENZENE	2002	70998	70408	70268
45	St Charles, LA	BENZENE	2003	73838	73672	73489
45	St Charles, LA	BENZENE	2004	138967.42	138790	138589
45	St Charles, LA	BENZENE	2005	84619.53	83998.15	83608
45	St Charles, LA	BENZENE	2006	60676.15	60443	59771
45	St Charles, LA	BENZENE	2007	239987.26	239833	239581
45	St Charles, LA	BENZENE	2008	79160.48	78841	78034
45	St Charles, LA	BENZENE	2009	54352.34	53250	53239
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0086685	0.0018985	0
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0445897	0.0383363	0.006657
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0558659	0.0492509	0.006033
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0603979	0.0529891	0.006508
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0602363	0.0524968	0.003987
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.1080038	0.0498138	0.003509
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.3056134	0.0433948	0.0015
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.3425293	0.0448102	0.001813
45	St Charles, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.1490303	0.0270938	0.001295

		DIOXIN AND DIOXIN-LIKE				
45	St Charles, LA	COMPOUNDS	2009	0.0797058	0.0240128	0.000992
45	St Charles, LA	FORMALDEHYDE	1988	913206	901600	8300
45	St Charles, LA	FORMALDEHYDE	1989	1642434	1634500	31200
45	St Charles, LA	FORMALDEHYDE	1990	2120536	2113330	12600
45	St Charles, LA	FORMALDEHYDE	1991	1341600	1331600	18600
45	St Charles, LA	FORMALDEHYDE	1992	2054649	2044649	40549
45	St Charles, LA	FORMALDEHYDE	1993	2925659	2925659	15659
45	St Charles, LA	FORMALDEHYDE	1994	3932137	3932137	19522
45	St Charles, LA	FORMALDEHYDE	1995	4024667	4024667	20920
45	St Charles, LA	FORMALDEHYDE	1996	5633230	5633230	25444
45	St Charles, LA	FORMALDEHYDE	1997	7146551	7146551	36697
45	St Charles, LA	FORMALDEHYDE	1998	6751529	6751405	42460
45	St Charles, LA	FORMALDEHYDE	1999	7056909	7055970	45670
45	St Charles, LA	FORMALDEHYDE	2000	8359253	8359242	47842
45	St Charles, LA	FORMALDEHYDE	2001	7157806	7157800	46800
45	St Charles, LA	FORMALDEHYDE	2002	4755643	4755640	41740
45	St Charles, LA	FORMALDEHYDE	2003	7653160	7653158	38928
45	St Charles, LA	FORMALDEHYDE	2004	8247572	8247569	33869
45	St Charles, LA	FORMALDEHYDE	2005	7844481	7844479	30979
45	St Charles, LA	FORMALDEHYDE	2006	9065961	9065960	52560
45	St Charles, LA	FORMALDEHYDE	2007	9663772	9663769	51194
45	St Charles, LA	FORMALDEHYDE	2008	9161563	9161541	48341
45	St Charles, LA	FORMALDEHYDE	2009	6458238	6458238	45238
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1988	76900	76900	54100
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1989	81371	81371	56971
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1990	84469	84469	59354
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1991	33232	33229	32259
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1992	89683	89645	89645
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1993	58779	58670	57969
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1994	66816	66811	66143
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1995	68165	68162	58142
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1996	9264	9264	9244
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1997	57749	57743	57518
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1998	168938	168687	168394
45	St Charles, LA	XYLENE (MIXED ISOMERS)	1999	90267	90262	85324
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2000	33068	33065	32535
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2001	111168	108569	107436
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2002	81528	79152	78831
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2003	67246	66569	65560
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2004	77581.08	76987.08	75732
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2005	59710.36	55906.16	55761
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2006	79869.09	79085	79030

45	St Charles, LA	XYLENE (MIXED ISOMERS)	2007	138164	137674	137574
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2008	89899	88309	88068
45	St Charles, LA	XYLENE (MIXED ISOMERS)	2009	82525.045	77838	77785
47	St James, LA	BENZENE	1988	60351	58643	58136
47	St James, LA	BENZENE	1989	58911	56459	53881
47	St James, LA	BENZENE	1990	48483	45916	45506
47	St James, LA	BENZENE	1991	24190	22990	22870
47	St James, LA	BENZENE	1992	20598	20507	20500
47	St James, LA	BENZENE	1993	24417	24352	24300
47	St James, LA	BENZENE	1994	36104	36040	35100
47	St James, LA	BENZENE	1995	24742	24601	23000
47	St James, LA	BENZENE	1996	5001	5000	5000
47	St James, LA	BENZENE	1997	18670	18667	18667
47	St James, LA	BENZENE	1998	25146	25118	25093
47	St James, LA	BENZENE	1999	22949	22852	22827
47	St James, LA	BENZENE	2000	18499	18430	18390
47	St James, LA	BENZENE	2001	21385	21339	21310
47	St James, LA	BENZENE	2002	22234	22082	22054
47	St James, LA	BENZENE	2003	26886.02	26807.02	26755
47	St James, LA	BENZENE	2004	23569	23478	23478
47	St James, LA	BENZENE	2005	22198	22178	22177
47	St James, LA	BENZENE	2006	24920	24213	24159
47	St James, LA	BENZENE	2007	25849	25841	25841
47	St James, LA	BENZENE	2008	19265	19257	19257
47	St James, LA	BENZENE	2009	27139	27133	27132
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0040141	0.0016416	7.21E-06
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0045261	0.0016944	1.76E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0046074	0.0017877	6.59E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.00557	0.0019657	7.87E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0027157	0.0020693	6.31E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0070572	0.0019857	1.29E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0075659	0.0020534	1.83E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0061072	0.0018237	6.63E-05
47	St James, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0063909	0.0017573	5.46E-05
47	St James, LA	FORMALDEHYDE	1988	250	250	250
47	St James, LA	FORMALDEHYDE	1989	1500	1500	1500

47	St James, LA	FORMALDEHYDE	1990	1005	1005	1000
47	St James, LA	FORMALDEHYDE	1991	1000	1000	1000
47	St James, LA	FORMALDEHYDE	1992	2050	2050	2050
47	St James, LA	FORMALDEHYDE	1993	102	102	102
47	St James, LA	FORMALDEHYDE	1994	305	305	305
47	St James, LA	FORMALDEHYDE	1995	305	305	305
47	St James, LA	FORMALDEHYDE	1996	860	860	860
47	St James, LA	FORMALDEHYDE	1997	860	860	860
47	St James, LA	FORMALDEHYDE	1998	860	860	860
47	St James, LA	FORMALDEHYDE	1999	411	411	411
47	St James, LA	XYLENE (MIXED ISOMERS)	1988	43773	43773	39270
47	St James, LA	XYLENE (MIXED ISOMERS)	1989	31219	31004	30475
47	St James, LA	XYLENE (MIXED ISOMERS)	1990	29325	28920	28701
47	St James, LA	XYLENE (MIXED ISOMERS)	1991	29400	29400	27900
47	St James, LA	XYLENE (MIXED ISOMERS)	1992	8476	8390	7600
47	St James, LA	XYLENE (MIXED ISOMERS)	1993	10527	10500	5900
47	St James, LA	XYLENE (MIXED ISOMERS)	1994	14000	14000	9300
47	St James, LA	XYLENE (MIXED ISOMERS)	1995	16282	15400	9100
47	St James, LA	XYLENE (MIXED ISOMERS)	1997	15224	15136	15136
47	St James, LA	XYLENE (MIXED ISOMERS)	1998	15038	14705	14680
47	St James, LA	XYLENE (MIXED ISOMERS)	1999	17775	17345	17320
47	St James, LA	XYLENE (MIXED ISOMERS)	2000	20759	20309	20200
47	St James, LA	XYLENE (MIXED ISOMERS)	2001	16940	16929	16900
47	St James, LA	XYLENE (MIXED ISOMERS)	2002	13737	13547	13500
47	St James, LA	XYLENE (MIXED ISOMERS)	2003	10756	10696	10610
47	St James, LA	XYLENE (MIXED ISOMERS)	2004	6227	6227	6224
47	St James, LA	XYLENE (MIXED ISOMERS)	2005	7880	7880	7870
47	St James, LA	XYLENE (MIXED ISOMERS)	2006	10981	9975	9839
47	St James, LA	XYLENE (MIXED ISOMERS)	2007	17970	17970	17970
47	St James, LA	XYLENE (MIXED ISOMERS)	2008	17751	17632	17632
47	St James, LA	XYLENE (MIXED ISOMERS)	2009	19140.37	19024	19014
48	St John the Baptist, LA	BENZENE	1988	20146	20146	20084
48	St John the Baptist, LA	BENZENE	1989	20266	20266	20026
48	St John the Baptist, LA	BENZENE	1990	9441	9436	9226
48	St John the Baptist, LA	BENZENE	1991	15001	15001	14980
48	St John the Baptist, LA	BENZENE	1992	14202	14202	14182
48	St John the Baptist, LA	BENZENE	1993	9917	9917	9904
48	St John the Baptist, LA	BENZENE	1994	5403	5403	5383

	Baptist, LA					
	St John the					
48	Baptist, LA	BENZENE	1995	6347	6346	6332
	St John the					
48	Baptist, LA	BENZENE	1996	468	468	453
	St John the					
48	Baptist, LA	BENZENE	1997	7891	7845	7793
	St John the					
48	Baptist, LA	BENZENE	1998	7441	7426	7410
	St John the					
48	Baptist, LA	BENZENE	1999	10753	10751	10732
	St John the					
48	Baptist, LA	BENZENE	2000	9384	9384	9367
	St John the					
48	Baptist, LA	BENZENE	2001	7588	7583	7570
	St John the					
48	Baptist, LA	BENZENE	2002	6046	5995	5973
	St John the					
48	Baptist, LA	BENZENE	2003	20619	19843	19824
	St John the					
48	Baptist, LA	BENZENE	2004	11837	11498	11475
	St John the					
48	Baptist, LA	BENZENE	2005	17079	16819	16811
	St John the					
48	Baptist, LA	BENZENE	2006	18031	18011	18004
	St John the					
48	Baptist, LA	BENZENE	2007	17095	17093	17086
	St John the					
48	Baptist, LA	BENZENE	2008	15034	15029	15017
	St John the					
48	Baptist, LA	BENZENE	2009	17169	17099	17090
	St John the					
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2000	0.0020211	0.0020211	0.002021
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2001	0.0019953	0.0019953	0.001995
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2002	0.0020191	0.0020191	0.002019
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2003	0.0020694	0.0020694	0.002069
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2004	0.0004212	0.0004212	0.000421
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2005	0.0004348	0.0004348	0.000435
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2006	0.0018921	0.0018921	0.001892
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2007	0.0018936	0.0018936	0.001894
	St John the	COMPOUNDS				
48	Baptist, LA	DIOXIN AND DIOXIN-LIKE	2008	0.0016423	0.0016423	0.001642
	St John the					

	Baptist, LA	COMPOUNDS				
	St John the	DIOXIN AND DIOXIN-LIKE				
48	Baptist, LA	COMPOUNDS	2009	0.0016882	0.0016882	0.001688
	St John the					
48	Baptist, LA	FORMALDEHYDE	1988	12118	116	71
	St John the					
48	Baptist, LA	FORMALDEHYDE	1989	90	88	51
	St John the					
48	Baptist, LA	FORMALDEHYDE	1990	94	93	47
	St John the					
48	Baptist, LA	FORMALDEHYDE	1991	100	99	46
	St John the					
48	Baptist, LA	FORMALDEHYDE	2002	162	154	154
	St John the					
48	Baptist, LA	FORMALDEHYDE	2003	159	155	155
	St John the					
48	Baptist, LA	FORMALDEHYDE	2004	160	158	158
	St John the					
48	Baptist, LA	FORMALDEHYDE	2005	76	72	72
	St John the					
48	Baptist, LA	FORMALDEHYDE	2006	77	74	74
	St John the					
48	Baptist, LA	FORMALDEHYDE	2007	82	78	78
	St John the					
48	Baptist, LA	FORMALDEHYDE	2008	58	55	55
	St John the					
48	Baptist, LA	FORMALDEHYDE	2009	132	129	129
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1988	22643	22643	19721
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1989	15999	15999	12105
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1990	19364	19286	15581
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1991	22195	22195	22190
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1992	19166	19166	19064
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1993	8331	8331	8321
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1994	7519	7519	7500
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1995	7910	6809	6695
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1996	134	134	134
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1997	11787	11445	10506
48	St John the	XYLENE (MIXED ISOMERS)	1998	11724	10860	10525

	Baptist, LA					
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	1999	15826	15239	15234
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2000	18218	17881	17876
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2001	12965	12580	12575
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2002	13983	13630	13625
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2003	16734	15506	15501
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2004	14449	12608	12603
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2005	21405	19705	19700
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2006	20552	20305	20300
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2007	18832	18105	18100
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2008	37618	31148	31137
	St John the					
48	Baptist, LA	XYLENE (MIXED ISOMERS)	2009	36843	34052	34046
49	St Landry, LA	BENZENE	1988	3498	3248	2998
49	St Landry, LA	BENZENE	1989	4220	4219	4200
49	St Landry, LA	BENZENE	1990	27563	27560	27555
49	St Landry, LA	BENZENE	1992	25041	25033	25026
49	St Landry, LA	BENZENE	1993	24781	24777	24688
49	St Landry, LA	BENZENE	1994	10730	10729	10655
49	St Landry, LA	BENZENE	1995	13752	13750	13339
49	St Landry, LA	BENZENE	1996	9512	9488	9488
49	St Landry, LA	BENZENE	1997	2136	2135	2117
49	St Landry, LA	BENZENE	1998	26008	26007	26000
49	St Landry, LA	BENZENE	1999	14821	14820	14818
49	St Landry, LA	BENZENE	2000	5467	5466	5460
49	St Landry, LA	BENZENE	2001	4044	4043	4036
49	St Landry, LA	BENZENE	2002	3552	3550	3544
49	St Landry, LA	BENZENE	2003	3709	3706	3700
49	St Landry, LA	BENZENE	2004	3039	3037	3030
49	St Landry, LA	BENZENE	2005	4851	4850	4843
49	St Landry, LA	BENZENE	2006	16520	16518	16512
49	St Landry, LA	BENZENE	2007	5816	5815	5808
49	St Landry, LA	BENZENE	2008	6574	6574	6568
49	St Landry, LA	BENZENE	2009	6119	6115	6109
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE	2000	0.0007938	0.0007938	0.000794

		COMPOUNDS				
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0005954	0.0005954	0.000595
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0005292	0.0005292	0.000529
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0005116	0.0005116	0.000512
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0005193	0.0005193	0.00051
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0004858	0.0004858	0.000477
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0004445	0.0004445	0.000437
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0006084	0.0006084	0.000435
49	St Landry, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0003036	0.0003036	0.000184
49	St Landry, LA	COMPOUNDS	2009	0.0002771	0.0002771	0.000168
49	St Landry, LA	FORMALDEHYDE	1988	31	31	31
49	St Landry, LA	FORMALDEHYDE	1989	33	33	33
49	St Landry, LA	FORMALDEHYDE	1990	31	31	31
49	St Landry, LA	FORMALDEHYDE	1991	31	31	31
49	St Landry, LA	FORMALDEHYDE	1992	2	2	2
49	St Landry, LA	FORMALDEHYDE	1993	3	3	3
49	St Landry, LA	FORMALDEHYDE	1994	3	3	3
49	St Landry, LA	FORMALDEHYDE	2005	929	929	929
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1988	8398	8148	7898
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1989	11906	11900	11900
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1990	73359	73358	73353
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1992	109428	109397	109397
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1993	72454	72398	72264
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1994	20183	20146	20010
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1995	22663	22644	20405
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1996	10581	10238	10238
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1997	7503	7392	7378
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1998	44127	44020	43998
49	St Landry, LA	XYLENE (MIXED ISOMERS)	1999	10603	10567	10565
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2000	10524	10470	10464
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2001	10851	10615	10608
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2002	11431	11375	11369
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2003	12835.7	12605.7	12600
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2004	12646	12573	12566
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2005	11485	11451	11444
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2006	12007	11884	11878

49	St Landry, LA	XYLENE (MIXED ISOMERS)	2007	14708	14667	14659
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2008	11253	11227	11220
49	St Landry, LA	XYLENE (MIXED ISOMERS)	2009	12870	12745	12738
50	St Martin, LA	BENZENE	2002	0		
50	St Martin, LA	BENZENE	2003	0		
50	St Martin, LA	BENZENE	2004	0		
50	St Martin, LA	XYLENE (MIXED ISOMERS)	2002	0		
50	St Martin, LA	XYLENE (MIXED ISOMERS)	2003	0		
50	St Martin, LA	XYLENE (MIXED ISOMERS)	2004	0		
51	St Mary, LA	BENZENE	1988	752	752	752
51	St Mary, LA	BENZENE	1989	250	250	250
51	St Mary, LA	BENZENE	1990	500	500	500
51	St Mary, LA	BENZENE	1991	190	190	190
51	St Mary, LA	BENZENE	1992	225	225	225
51	St Mary, LA	BENZENE	1993	40	40	40
51	St Mary, LA	BENZENE	1994	70	70	70
51	St Mary, LA	BENZENE	1995	0		
51	St Mary, LA	BENZENE	1996	0		
51	St Mary, LA	BENZENE	2003	550	550	550
51	St Mary, LA	BENZENE	2004	440	440	440
51	St Mary, LA	BENZENE	2005	350	350	350
51	St Mary, LA	BENZENE	2006	390	390	390
51	St Mary, LA	BENZENE	2007	390	390	390
51	St Mary, LA	BENZENE	2008	340	340	340
51	St Mary, LA	BENZENE	2009	350	350	350
51	St Mary, LA	FORMALDEHYDE	1989	500	500	500
51	St Mary, LA	FORMALDEHYDE	1991	250	250	250
51	St Mary, LA	FORMALDEHYDE	1992	250	250	250
51	St Mary, LA	FORMALDEHYDE	1993	250	250	250
51	St Mary, LA	FORMALDEHYDE	1994	0	0	0
51	St Mary, LA	FORMALDEHYDE	1995	0		
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1988	4234	4234	4234
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1989	1000	1000	1000
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1990	500	500	500
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1991	120	120	120
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1992	27100	27100	27100
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1993	90	90	90
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1994	13150	13150	13150
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1995	13716	13716	13716
51	St Mary, LA	XYLENE (MIXED ISOMERS)	1996	50	50	50
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2000	14849	14849	14849
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2001	27041	26938	26938
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2002	13400	13400	13400

51	St Mary, LA	XYLENE (MIXED ISOMERS)	2003	17000	17000	17000
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2004	15002	15002	15002
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2005	36700	33182	33181
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2006	19007	19007	19007
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2007	56616	56616	56616
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2008	51930	51930	51930
51	St Mary, LA	XYLENE (MIXED ISOMERS)	2009	61159	61159	61159
52	St Tammany, LA	BENZENE	1990	1400	1400	1400
52	St Tammany, LA	FORMALDEHYDE	1988	1589	1589	1339
52	St Tammany, LA	FORMALDEHYDE	1989	3113	2402	2152
52	St Tammany, LA	FORMALDEHYDE	1990	500	500	500
52	St Tammany, LA	FORMALDEHYDE	1991	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1992	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1993	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1994	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1995	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1996	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1997	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1998	505	505	500
52	St Tammany, LA	FORMALDEHYDE	1999	505	505	500
52	St Tammany, LA	FORMALDEHYDE	2000	505	505	500
52	St Tammany, LA	FORMALDEHYDE	2001	1005	1005	1000
52	St Tammany, LA	FORMALDEHYDE	2002	712	712	707
52	St Tammany, LA	FORMALDEHYDE	2003	500	500	495
52	St Tammany, LA	FORMALDEHYDE	2004	30	30	25
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1988	7400	6650	6650
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1989	16740	15940	15940
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1990	4180	2700	2700
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1991	12000	12000	12000
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1992	29490	29490	29490
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1993	47950	47950	47950
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1994	6450	6450	6450
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1995	12129	12129	12129
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1998	14847	14847	14847
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	1999	19625	19625	19625
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	2007	14054	14054	14054
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	2008	20726	20726	20726
52	St Tammany, LA	XYLENE (MIXED ISOMERS)	2009	13747	13747	13747
53	Tangipahoa, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0002485	0.0002485	0.000249
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	1988	19552	19552	19552
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	1989	19900	19900	19900
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	1997	32034	32034	32034

55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	1998	73427	73427	73427
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	1999	76468	76468	76468
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2000	21153	21153	21153
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2001	78087	78087	78087
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2002	47451.75	47451.75	47451.75
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2003	21102	21102	21102
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2004	18405	18405	18405
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2005	31666.7	31666.7	31666.7
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2006	56008.5	56008.5	56008.5
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2007	42963.6	42963.6	42963.6
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2008	32282	32282	32282
55	Terrebonne, LA	XYLENE (MIXED ISOMERS)	2009	38479	38479	38479
56	Union, LA	FORMALDEHYDE	1988	38627	38627	38627
56	Union, LA	FORMALDEHYDE	1989	42200	42200	42200
56	Union, LA	FORMALDEHYDE	1990	39140	39140	39140
56	Union, LA	FORMALDEHYDE	1998	25217	25217	25217
56	Union, LA	FORMALDEHYDE	1999	27927	27927	27927
56	Union, LA	FORMALDEHYDE	2000	27869	27869	27869
56	Union, LA	FORMALDEHYDE	2001	25345	25345	25345
56	Union, LA	FORMALDEHYDE	2002	25022	25022	25022
57	Vermilion, LA	FORMALDEHYDE	2003	10.6	10.6	10.6
57	Vermilion, LA	FORMALDEHYDE	2009	250	250	250
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1988	2150	2150	2150
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1989	500	500	500
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1990	500	500	500
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1991	175	175	175
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1992	173	173	173
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1993	235	235	235
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1994	194	194	194
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1995	196	196	196
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1996	198	198	198
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1998	0		
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	1999	0		
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2000	124	124	124
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2001	134	134	134
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2002	146	146	146
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2003	139	139	139
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2004	188	188	188
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2005	166	166	166
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2006	273	273	273
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2007	297	297	297
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2008	262	262	262
57	Vermilion, LA	XYLENE (MIXED ISOMERS)	2009	505	505	500

58	Vernon, LA	BENZENE	2001	0		
58	Vernon, LA	BENZENE	2002	0		
58	Vernon, LA	BENZENE	2003	0		
58	Vernon, LA	XYLENE (MIXED ISOMERS)	2001	0		
58	Vernon, LA	XYLENE (MIXED ISOMERS)	2002	0		
58	Vernon, LA	XYLENE (MIXED ISOMERS)	2003	0		
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0028665	0.0028665	0.002867
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.003087	0.003087	0.003087
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.003087	0.003087	0.003087
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.003087	0.003087	0.003087
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0044762	0.0044762	0.003308
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0050495	0.003087	0.003087
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.004851	0.0028665	0.002867
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.004851	0.0028665	0.002867
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0028815	0.0022994	0.002299
59	Washington, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.004408	0.0028083	0.002808
59	Washington, LA	FORMALDEHYDE	1994	32699	32699	32699
59	Washington, LA	FORMALDEHYDE	1995	27410	27405	26655
59	Washington, LA	FORMALDEHYDE	1996	30058	30053	29303
59	Washington, LA	FORMALDEHYDE	1997	27441	27436	26686
59	Washington, LA	FORMALDEHYDE	1998	29491	29486	29236
59	Washington, LA	FORMALDEHYDE	2001	33655	33650	31250
59	Washington, LA	FORMALDEHYDE	2002	31865	31860	31230
59	Washington, LA	FORMALDEHYDE	2003	32805	32800	32200
59	Washington, LA	FORMALDEHYDE	2004	30250	30250	30250
59	Washington, LA	FORMALDEHYDE	2005	45250	45250	45250
59	Washington, LA	FORMALDEHYDE	2006	43250	43250	43250
59	Washington, LA	FORMALDEHYDE	2007	31250	31250	31250
59	Washington, LA	FORMALDEHYDE	2008	30250	30250	30250
59	Washington, LA	FORMALDEHYDE	2009	27250	27250	27250
59	Washington, LA	XYLENE (MIXED ISOMERS)	1994	3621	3621	3621
59	Washington, LA	XYLENE (MIXED ISOMERS)	1995	2616	2616	2616
59	Washington, LA	XYLENE (MIXED ISOMERS)	1996	5892	5892	5892
59	Washington, LA	XYLENE (MIXED ISOMERS)	1997	2809	2809	2809
59	Washington, LA	XYLENE (MIXED ISOMERS)	1999	16910	16905	16900

59	Washington, LA	XYLENE (MIXED ISOMERS)	2004	3283	3283	3283
59	Washington, LA	XYLENE (MIXED ISOMERS)	2005	3282	3282	3282
59	Washington, LA	XYLENE (MIXED ISOMERS)	2006	3389	3389	3389
59	Washington, LA	XYLENE (MIXED ISOMERS)	2007	2979	2979	2979
60	Webster, LA	BENZENE	1988	750	750	500
60	Webster, LA	BENZENE	1989	750	750	500
60	Webster, LA	BENZENE	1990	1099	1099	1090
60	Webster, LA	BENZENE	1991	1770	1770	1766
60	Webster, LA	BENZENE	1992	1485	1485	1484
60	Webster, LA	BENZENE	1993	892	892	891
60	Webster, LA	BENZENE	1994	481	481	481
60	Webster, LA	BENZENE	1995	410	410	410
60	Webster, LA	BENZENE	1996	824	824	824
60	Webster, LA	BENZENE	1997	266	266	266
60	Webster, LA	BENZENE	1998	603	603	603
60	Webster, LA	BENZENE	1999	882	882	882
60	Webster, LA	BENZENE	2000	642	642	642
60	Webster, LA	BENZENE	2001	7568	7568	7568
60	Webster, LA	BENZENE	2002	7642	7642	7642
60	Webster, LA	BENZENE	2003	10120	10120	10120
60	Webster, LA	BENZENE	2004	10358	10036	10036
60	Webster, LA	BENZENE	2005	11578	11570	11570
60	Webster, LA	BENZENE	2006	11662	11650	11650
60	Webster, LA	BENZENE	2007	11530	11530	11530
60	Webster, LA	BENZENE	2008	11530	11530	11530
60	Webster, LA	BENZENE	2009	11507	11507	11507
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0004033	0.0003594	0.000356
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0004974	0.000258	0.000258
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0006811	0.0003164	0.000316
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0004874	0.0002873	0.000287
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0005709	0.000318	0.000318
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0004977	0.0003171	0.000317
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.000397	0.0002818	0.000282
60	Webster, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0004913	0.000381	0.000381
60	Webster, LA	XYLENE (MIXED ISOMERS)	1988	3325	3075	2825
60	Webster, LA	XYLENE (MIXED ISOMERS)	1989	3601	3601	3351

60	Webster, LA	XYLENE (MIXED ISOMERS)	1990	3119	3119	3100
60	Webster, LA	XYLENE (MIXED ISOMERS)	1992	10491	10491	10490
60	Webster, LA	XYLENE (MIXED ISOMERS)	1993	10487	10487	10486
60	Webster, LA	XYLENE (MIXED ISOMERS)	1994	18472	18472	18472
60	Webster, LA	XYLENE (MIXED ISOMERS)	1995	18261	18261	18261
60	Webster, LA	XYLENE (MIXED ISOMERS)	1996	1987	1987	1987
60	Webster, LA	XYLENE (MIXED ISOMERS)	1997	13023	13023	13023
60	Webster, LA	XYLENE (MIXED ISOMERS)	1998	2148	2148	2148
60	Webster, LA	XYLENE (MIXED ISOMERS)	1999	22563	22563	22563
60	Webster, LA	XYLENE (MIXED ISOMERS)	2000	14986	14986	14986
60	Webster, LA	XYLENE (MIXED ISOMERS)	2001	20160	20160	20160
60	Webster, LA	XYLENE (MIXED ISOMERS)	2002	2785	2785	2785
60	Webster, LA	XYLENE (MIXED ISOMERS)	2003	4263	4263	4263
60	Webster, LA	XYLENE (MIXED ISOMERS)	2004	4135	3800	3800
60	Webster, LA	XYLENE (MIXED ISOMERS)	2005	4970	4961	4961
60	Webster, LA	XYLENE (MIXED ISOMERS)	2006	5670	5240	5240
60	Webster, LA	XYLENE (MIXED ISOMERS)	2007	5330	5330	5330
60	Webster, LA	XYLENE (MIXED ISOMERS)	2008	5522	5522	5522
60	Webster, LA	XYLENE (MIXED ISOMERS)	2009	5428	5428	5428
61	West Baton Rouge, LA	BENZENE	1988	3750	3750	3749
61	West Baton Rouge, LA	BENZENE	1989	3899	3899	3898
61	West Baton Rouge, LA	BENZENE	1990	3563	3563	3562
61	West Baton Rouge, LA	BENZENE	1992	4122	4122	4119
61	West Baton Rouge, LA	BENZENE	1993	3723	3723	3719
61	West Baton Rouge, LA	BENZENE	1994	1010	1010	1002
61	West Baton Rouge, LA	BENZENE	1995	991	991	988
61	West Baton Rouge, LA	BENZENE	1997	5990	5003	5000
61	West Baton Rouge, LA	BENZENE	1998	4903	4903	4900
61	West Baton Rouge, LA	BENZENE	1999	4357	4357	4354
61	West Baton Rouge, LA	BENZENE	2001	6173	4607	4604
61	West Baton Rouge, LA	BENZENE	2002	17350	10403	10400
61	West Baton Rouge, LA	BENZENE	2003	12852	11852	11849

61	West Baton Rouge, LA	BENZENE	2004	14328.3	12583.3	12580.3
61	West Baton Rouge, LA	BENZENE	2005	10317	7220	6781
61	West Baton Rouge, LA	BENZENE	2006	12002	11043	10631
61	West Baton Rouge, LA	BENZENE	2007	14932	7290	6847
61	West Baton Rouge, LA	BENZENE	2008	6260.45	5509.45	5058.45
61	West Baton Rouge, LA	BENZENE	2009	11591	6519	5983
61	West Baton Rouge, LA	FORMALDEHYDE	1998	55	55	55
61	West Baton Rouge, LA	FORMALDEHYDE	1999	151	151	151
61	West Baton Rouge, LA	FORMALDEHYDE	2000	152	152	152
61	West Baton Rouge, LA	FORMALDEHYDE	2001	172	172	172
61	West Baton Rouge, LA	FORMALDEHYDE	2002	145	141	141
61	West Baton Rouge, LA	FORMALDEHYDE	2003	143	141	141
61	West Baton Rouge, LA	FORMALDEHYDE	2004	167	165	165
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1988	2813	2813	2813
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1989	2921	2921	2921
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1990	2753	2753	2753
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1991	15	15	14
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1992	2943	2943	2943
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1993	2810	2810	2810
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1994	16061	16061	16061
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1995	10681	10681	10681
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1997	22585	21480	20580
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1998	18514	18514	18514
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	1999	33740	33740	33740

61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2000	27558	27558	27558
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2001	30971	30092	30092
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2002	83428	18867	18867
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2003	43923	34627	34627
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2004	45276.37	29160.37	29160.37
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2005	45660	16882	16005
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2006	43319	34419	33590
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2007	20963	13264	12382
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2008	11470	11470	10579
61	West Baton Rouge, LA	XYLENE (MIXED ISOMERS)	2009	13948	7572	6513
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0022368	0.0022368	0.000857
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0026098	0.0026098	0.000901
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0025075	0.0025075	0.000974
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0024098	0.0024098	0.000976
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0024542	0.0024542	0.001024
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0023512	0.0023512	0.001048
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0019655	0.0019655	0.000925
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0014335	0.0014335	0.000594
63	West Feliciana, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.000254	0.000254	0.000254
63	West Feliciana, LA	FORMALDEHYDE	2002	11534	11534	11084
63	West Feliciana, LA	FORMALDEHYDE	2003	11392	11392	11087
63	West Feliciana, LA	FORMALDEHYDE	2004	11505	11505	11170
63	West Feliciana, LA	FORMALDEHYDE	2005	11572	11572	11180
63	West Feliciana, LA	FORMALDEHYDE	2006	10351	10351	10000

64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2000	0.0002884	0.0002884	0.00025
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2001	0.0028998	0.0028658	0.002844
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2002	0.0025754	0.0025754	0.002558
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2003	0.0029682	0.0029682	0.002946
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2004	0.0008692	0.0008692	0.000807
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2005	0.0002906	0.0002906	0.000251
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2006	0.0003327	0.0002754	0.000275
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2007	0.0003314	0.0002741	0.000274
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2008	0.0003049	0.0002434	0.000243
64	Winn, LA	DIOXIN AND DIOXIN-LIKE COMPOUNDS	2009	0.0002002	0.000146	0.000146
64	Winn, LA	FORMALDEHYDE	1988	54882	54879	54629
64	Winn, LA	FORMALDEHYDE	1989	112437	112434	112184
64	Winn, LA	FORMALDEHYDE	1990	42470	42468	42218
64	Winn, LA	FORMALDEHYDE	1991	28250	28245	27995
64	Winn, LA	FORMALDEHYDE	1992	7415	7410	7160
64	Winn, LA	FORMALDEHYDE	1993	7258	7253	7003
64	Winn, LA	FORMALDEHYDE	1994	7047	7042	6792
64	Winn, LA	FORMALDEHYDE	1995	5645	5640	5635
64	Winn, LA	FORMALDEHYDE	1996	2901	2896	2896
64	Winn, LA	FORMALDEHYDE	1997	5338	5333	5333
64	Winn, LA	FORMALDEHYDE	1998	28372	28367	28367
64	Winn, LA	FORMALDEHYDE	1999	11736	11702	2950
64	Winn, LA	FORMALDEHYDE	2000	3507	3502	3450
64	Winn, LA	FORMALDEHYDE	2001	3212	3207	2957
64	Winn, LA	FORMALDEHYDE	2002	3155	3150	2900
64	Winn, LA	FORMALDEHYDE	2003	32938.2	32938.2	32688.2
64	Winn, LA	FORMALDEHYDE	2004	33208	33208	32958
64	Winn, LA	FORMALDEHYDE	2005	32924	32924	32674
64	Winn, LA	FORMALDEHYDE	2006	33329	33329	33079
64	Winn, LA	FORMALDEHYDE	2007	31239	31239	30989
64	Winn, LA	FORMALDEHYDE	2008	29250	29250	29000
64	Winn, LA	FORMALDEHYDE	2009	3844	3844	3594

APPENDIX B: SEER CANCER DATA FOR ALL PARISHES IN LOUISIANA FROM 2000-2008

		Pop	Nasopharynx		Lung and Bronchus		Soft Tissue including Heart		Non-Hodgkin Lymphoma		Leukemia		Rectum	
			Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Louisiana Registry	2000-2008	37,676,724	0.8	288	79.7	29,429	3.5	1,299	19.5	7,186	12.5	4,591	11.3	4,233
Louisiana Registry	2000	4,468,979	0.8	34	81.9	3,428	3.5	150	18.9	791	13.1	553	12.1	509
Louisiana Registry	2001	4,460,816	0.6	26	83.1	3,503	3.3	142	19	802	13.8	582	11.5	490
Louisiana Registry	2002	4,466,068	0.9	40	77.6	3,317	3.1	136	18.5	789	13.1	557	11.4	492
Louisiana Registry	2003	4,474,726	0.8	36	81.2	3,507	3.4	148	18.7	809	12.5	539	11.9	516
Louisiana Registry	2004	4,489,327	0.5	24	81.9	3,573	3.7	164	20	878	12.2	535	10	446
Louisiana Registry	2005	2,248,846	0.6	14	81.6	1,807	3.4	76	19.6	436	11.8	258	11	248
Louisiana Registry	2006	4,240,327	1	44	79.3	3,410	3.5	148	20.8	890	11.1	472	10.8	471
Louisiana Registry	2007	4,376,122	0.6	28	76.6	3,423	3.6	157	19.9	886	12.8	563	11.5	530
Louisiana Registry	2008	4,451,513	0.9	42	75.6	3,461	4	178	20.1	905	11.7	532	11.6	531
1 LA: Acadia Parish (22001)	2000-2008	502,316	0.4	2	86.5	435	4.5	22	27.4	137	10.3	51	14.7	74
1 LA: Acadia Parish (22001)	2000	58,817	1.8	1	73.9	42	11.9	7	19.3	11	13.9	8	12.5	7
1 LA: Acadia Parish (22001)	2001	58,729	0	0	97.4	56	1.8	1	30	17	6.9	4	21	12
1 LA: Acadia Parish (22001)	2002	58,799	0	0	91.7	53	1.7	1	32.9	19	8.7	5	15.6	9
1 LA: Acadia Parish (22001)	2003	58,740	0	0	90.7	53	1.7	1	17.2	10	19.5	11	8.5	5
1 LA: Acadia Parish (22001)	2004	58,620	0	0	82	49	7.1	4	39	23	5	3	14.5	9
1 LA: Acadia Parish (22001)	2005	29,375	0	0	94.3	28	0	0	32.2	9	2.9	1	3.3	1
1 LA: Acadia Parish (22001)	2006	59,585	1.5	1	71.8	43	3.2	2	37.3	22	10	6	11.3	7
1 LA: Acadia Parish (22001)	2007	59,715	0	0	72.8	44	5.2	3	22.3	14	11.4	7	12.3	8

1	LA: Acadia Parish (22001)	2008	59,936	0	0	110.6	67	5.9	3	19.5	12	9.6	6	27.6	16
2	LA: Allen Parish (22003)	2000-2008	215,870	0	0	72.6	153	2.3	5	25	53	12.2	25	14.5	31
2	LA: Allen Parish (22003)	2000	25,410	0	0	59.5	14	6.9	2	28.8	7	22.7	5	8.9	2
2	LA: Allen Parish (22003)	2001	25,397	0	0	69.7	17	0	0	54	12	8.9	2	20.4	5
2	LA: Allen Parish (22003)	2002	25,113	0	0	64.6	16	0	0	11.7	3	4.7	1	28.3	7
2	LA: Allen Parish (22003)	2003	25,186	0	0	59.3	15	4.1	1	27.9	7	4.4	1	20.1	5
2	LA: Allen Parish (22003)	2004	25,190	0	0	80.6	20	4.5	1	23	6	16.4	4	8	2
2	LA: Allen Parish (22003)	2005	12,432	0	0	109.7	14	8.9	1	8.9	1	23.7	3	16.5	2
2	LA: Allen Parish (22003)	2006	25,562	0	0	87.6	22	0	0	11.9	3	12.2	3	12.1	3
2	LA: Allen Parish (22003)	2007	25,845	0	0	61.2	15	0	0	33.2	9	16.1	4	7.3	2
2	LA: Allen Parish (22003)	2008	25,735	0	0	79.7	20	0	0	19.7	5	8.7	2	11.6	3
3	LA: Ascension Parish (22005)	2000-2008	750,466	0.9	6	86.8	479	4	24	19.5	116	9.7	60	11.3	70
3	LA: Ascension Parish (22005)	2000	77,335	0	0	117.2	62	8.5	4	19	9	13.1	7	8	4
3	LA: Ascension Parish (22005)	2001	79,168	3.2	2	88.8	49	5.9	4	20.7	12	11	7	2.5	2
3	LA: Ascension Parish (22005)	2002	81,278	1.2	1	79.6	46	0	0	23.4	15	8.5	6	12.1	8
3	LA: Ascension Parish (22005)	2003	83,760	2.8	2	79.2	49	2.3	2	16.7	11	7.2	5	7.7	5
3	LA: Ascension Parish (22005)	2004	86,085	0	0	87.7	56	5.3	3	14.5	11	9.4	6	15.7	11

3	LA: Ascension Parish (22005)	2005	44,691	0	0	64.5	23	6.5	3	17.7	7	9.3	3	7.3	3
3	LA: Ascension Parish (22005)	2006	95,986	0	0	77.9	56	0.9	1	26.7	21	13.6	12	12.4	10
3	LA: Ascension Parish (22005)	2007	99,702	0	0	89.7	72	2.8	3	16.1	13	10.7	9	17.6	15
3	LA: Ascension Parish (22005)	2008	102,461	0.9	1	89.4	66	5.3	4	18.8	17	5.2	5	12.7	12
4	LA: Assumption Parish (22007)	2000-2008	196,438	1.1	2	85.2	171	3.1	6	21.5	43	12.9	25	13.6	27
4	LA: Assumption Parish (22007)	2000	23,378	0	0	99.4	22	4.1	1	18.2	4	14.5	3	19.1	4
4	LA: Assumption Parish (22007)	2001	23,176	0	0	104	23	4	1	27.3	6	4.5	1	26.5	6
4	LA: Assumption Parish (22007)	2002	23,117	0	0	74.5	17	0	0	11.8	3	32.9	7	22.3	5
4	LA: Assumption Parish (22007)	2003	23,081	0	0	46.9	11	0	0	28.1	6	3.5	1	19.4	4
4	LA: Assumption Parish (22007)	2004	23,062	3.9	1	84.3	20	4.4	1	18.1	5	7.9	2	12.3	3
4	LA: Assumption Parish (22007)	2005	11,432	0	0	50.6	6	0	0	34.4	4	28	3	15.1	2
4	LA: Assumption Parish (22007)	2006	23,073	0	0	115.2	28	3.2	1	26.3	6	12.8	3	0	0
4	LA: Assumption Parish (22007)	2007	23,093	4.8	1	65.4	17	9.8	2	22.4	6	10.6	3	7.9	2
4	LA: Assumption Parish (22007)	2008	23,026	0	0	112.7	27	0	0	11.5	3	8.6	2	4	1
5	LA: Avoyelles Parish (22009)	2000-2008	355,031	0.9	3	92.7	348	1.6	6	18.5	69	14.8	56	10.9	41
5	LA: Avoyelles Parish (22009)	2000	41,480	0	0	97	41	2.4	1	23.1	10	21.4	9	22.2	9
5	LA: Avoyelles Parish (22009)	2001	41,345	0	0	86.3	38	2.4	1	21.8	9	20.8	9	11.3	5

5	LA: Avoyelles Parish (22009)	2002	41,366	2.6	1	83	36	2.6	1	16.8	7	20.3	9	2.4	1
5	LA: Avoyelles Parish (22009)	2003	41,607	0	0	76.5	33	0	0	10.9	5	9	4	11.2	5
5	LA: Avoyelles Parish (22009)	2004	41,478	0	0	99.4	43	0	0	15.7	7	6.7	3	15.9	7
5	LA: Avoyelles Parish (22009)	2005	20,657	0	0	90.1	19	0	0	13.7	3	14.8	3	10.2	2
5	LA: Avoyelles Parish (22009)	2006	42,384	2.4	1	104.4	47	2	1	18	8	13.2	6	10.5	5
5	LA: Avoyelles Parish (22009)	2007	42,197	0	0	106.2	48	1.9	1	27	12	14.9	7	8.4	4
5	LA: Avoyelles Parish (22009)	2008	42,517	2.4	1	90.9	43	2.4	1	16.8	8	12.2	6	6	3
6	LA: Beauregard Parish (22011)	2000-2008	287,793	0.7	2	83.1	245	3.8	10	16.9	48	12.6	36	11	33
6	LA: Beauregard Parish (22011)	2000	33,025	0	0	92.3	30	6.8	2	16	5	6.1	2	15.5	5
6	LA: Beauregard Parish (22011)	2001	33,061	0	0	91.6	31	0	0	14.3	5	22.8	7	15.8	5
6	LA: Beauregard Parish (22011)	2002	33,078	0	0	90.1	30	0	0	8.8	3	16	5	5.6	2
6	LA: Beauregard Parish (22011)	2003	33,313	0	0	63.9	22	3.6	1	15.7	5	3	1	14.4	5
6	LA: Beauregard Parish (22011)	2004	33,705	2.6	1	73.3	25	0	0	14.4	5	10.8	4	3	1
6	LA: Beauregard Parish (22011)	2005	17,113	6	1	66.6	11	0	0	51.6	8	25.6	4	15.6	3
6	LA: Beauregard Parish (22011)	2006	34,624	0	0	88.8	32	6.4	2	22.1	7	16.3	6	9.8	4
6	LA: Beauregard Parish (22011)	2007	34,775	0	0	96.6	35	2.9	1	13.5	5	6.1	2	7.6	3
6	LA: Beauregard Parish (22011)	2008	35,099	0	0	77.4	29	11.7	4	14.4	5	13.4	5	14.5	5

7	LA: Bienville Parish (22013)	2000-2008	128,817	1.4	2	81.2	133	5.6	9	14.6	23	11.5	18	7.6	13
7	LA: Bienville Parish (22013)	2000	15,728	7.1	1	56.4	11	0	0	12.4	2	10.5	2	5.1	1
7	LA: Bienville Parish (22013)	2001	15,440	0	0	119	23	8	1	8.2	2	5.1	1	7.9	2
7	LA: Bienville Parish (22013)	2002	15,342	0	0	89.1	17	11.9	2	37.4	7	20	4	7.6	2
7	LA: Bienville Parish (22013)	2003	15,161	0	0	70.1	13	4.9	1	0	0	11.7	2	0	0
7	LA: Bienville Parish (22013)	2004	15,123	0	0	68.5	13	4.7	1	9.1	1	15.6	3	21.1	4
7	LA: Bienville Parish (22013)	2005	7,490	0	0	84.6	8	0	0	0	0	0	0	0	0
7	LA: Bienville Parish (22013)	2006	14,922	0	0	109.7	21	13.2	3	28.3	6	17.4	3	10	2
7	LA: Bienville Parish (22013)	2007	14,880	5.1	1	36	7	0	0	0	0	11.3	2	0	0
7	LA: Bienville Parish (22013)	2008	14,731	0	0	100.4	20	5.1	1	28.6	5	4.7	1	11.5	2
8	LA: Bossier Parish (22015)	2000-2008	883,803	1	9	84.3	685	3.7	32	19.5	156	15.6	128	12.5	104
8	LA: Bossier Parish (22015)	2000	98,601	0	0	76	65	3.2	3	12.6	10	22.2	19	13	11
8	LA: Bossier Parish (22015)	2001	99,610	1.1	1	71.9	63	1.1	1	18.3	16	16.1	15	19.1	17
8	LA: Bossier Parish (22015)	2002	100,734	0	0	91.1	83	4	4	17.5	15	23.3	21	14.2	14
8	LA: Bossier Parish (22015)	2003	101,803	1	1	83.2	77	6	6	21.9	20	17.5	16	3.5	3
8	LA: Bossier Parish (22015)	2004	103,515	1.1	1	86.1	81	1	1	20.9	20	11.6	11	5.2	5
8	LA: Bossier Parish (22015)	2005	52,576	0	0	107.8	53	6	3	21.8	11	12	6	7.5	4

8	LA: Bossier Parish (22015)	2006	107,741	3.6	4	89	89	4.5	5	22.6	23	9.3	9	14	14
8	LA: Bossier Parish (22015)	2007	108,931	0	0	77.8	82	1.7	2	20	20	15.5	16	18.5	21
8	LA: Bossier Parish (22015)	2008	110,292	1.7	2	86.6	92	6.5	7	20	21	13.1	15	14.5	15
9	LA: Caddo Parish (22017)	2000-2008	2,135,664	0.8	17	78.9	1,800	4.5	98	19.4	438	14.9	338	11.4	260
9	LA: Caddo Parish (22017)	2000	252,013	0.4	1	76	201	5.1	13	13.7	36	12.8	34	11.9	31
9	LA: Caddo Parish (22017)	2001	250,864	0.4	1	81.2	213	3.1	8	19.7	52	14	37	11.9	31
9	LA: Caddo Parish (22017)	2002	249,820	1.2	3	75.3	200	3.1	8	16.6	43	17.6	47	10.5	28
9	LA: Caddo Parish (22017)	2003	249,387	0.4	1	87.5	233	5.3	13	15.5	42	14.7	39	11.4	31
9	LA: Caddo Parish (22017)	2004	250,038	0.8	2	78.1	209	5.8	15	22.7	60	16.5	44	7.7	20
9	LA: Caddo Parish (22017)	2005	125,170	0	0	73.7	98	4.5	6	22.2	30	13.2	17	20	27
9	LA: Caddo Parish (22017)	2006	253,344	1.1	3	78.4	214	3.4	8	22	59	14.6	38	8.4	23
9	LA: Caddo Parish (22017)	2007	252,414	0.6	2	85	233	3.6	10	19.4	52	14.6	39	12	33
9	LA: Caddo Parish (22017)	2008	252,614	1.5	4	71.9	199	6.3	17	23.5	64	15.3	43	13.1	36
10	LA: Calcasieu Parish (22019)	2000-2008	1,562,333	0.6	9	85.6	1,335	2.8	44	22.6	351	13.4	207	10.8	171
10	LA: Calcasieu Parish (22019)	2000	183,514	0.5	1	79	139	2.2	4	25.6	44	10	17	14.9	26
10	LA: Calcasieu Parish (22019)	2001	182,975	1.1	2	79.1	140	1.1	2	27.7	49	18.9	33	12.7	23
10	LA: Calcasieu Parish (22019)	2002	182,842	0.6	1	92.7	167	4	7	19.8	35	7.6	13	12.2	22

10	LA: Calcasieu Parish (22019)	2003	183,589	0	0	91.1	164	1	2	25.9	46	17.9	33	11.4	21
10	LA: Calcasieu Parish (22019)	2004	184,079	0	0	101.7	187	4.1	8	17.9	33	12.5	23	11.9	22
10	LA: Calcasieu Parish (22019)	2005	92,200	1	1	81.3	75	1	1	25.6	24	7.9	7	6.2	6
10	LA: Calcasieu Parish (22019)	2006	182,944	0	0	72.9	138	4.7	9	16.8	32	9.6	18	7.8	15
10	LA: Calcasieu Parish (22019)	2007	184,318	0.5	1	83.3	159	2.4	5	24.1	46	20.4	38	8.6	17
10	LA: Calcasieu Parish (22019)	2008	185,872	1.5	3	86.8	166	3.4	6	21.9	42	13	25	10	19
11	LA: Caldwell Parish (22021)	2000-2008	88,878	2	2	96.5	97	2.7	3	19.3	20	9.1	9	10.3	10
11	LA: Caldwell Parish (22021)	2000	10,579	0	0	112	13	0	0	31.5	4	16.2	2	9.5	1
11	LA: Caldwell Parish (22021)	2001	10,478	0	0	52.2	6	0	0	18.6	2	0	0	0	0
11	LA: Caldwell Parish (22021)	2002	10,503	0	0	74.9	9	0	0	8.2	1	7.6	1	7.3	1
11	LA: Caldwell Parish (22021)	2003	10,448	7.3	1	130.2	15	16.1	2	9.8	1	18.7	2	18.7	2
11	LA: Caldwell Parish (22021)	2004	10,500	0	0	86.3	10	0	0	19.3	2	10.3	1	8.8	1
11	LA: Caldwell Parish (22021)	2005	5,191	0	0	174.9	11	0	0	0	0	0	0	0	0
11	LA: Caldwell Parish (22021)	2006	10,376	9.3	1	98.7	12	7	1	25.2	3	0	0	9	1
11	LA: Caldwell Parish (22021)	2007	10,379	0	0	101	12	0	0	25	3	8.6	1	18.7	2
11	LA: Caldwell Parish (22021)	2008	10,424	0	0	76.6	9	0	0	27.5	4	15.1	2	19.6	2
12	LA: Cameron Parish (22023)	2000-2008	75,416	1.1	1	105.1	71	1.5	1	30.5	21	8.7	6	7.9	5

12	LA: Cameron Parish (22023)	2000	9,949	0	0	113.5	10	0	0	54.6	5	0	0	9.8	1
12	LA: Cameron Parish (22023)	2001	9,834	0	0	81.4	7	0	0	0	0	14.5	1	0	0
12	LA: Cameron Parish (22023)	2002	9,736	9.4	1	122	11	0	0	21.9	2	0	0	26.2	2
12	LA: Cameron Parish (22023)	2003	9,688	0	0	107.9	10	0	0	61.6	6	20.3	2	0	0
12	LA: Cameron Parish (22023)	2004	9,636	0	0	109.6	9	0	0	0	0	0	0	0	0
12	LA: Cameron Parish (22023)	2005	4,788	0	0	113.2	5	0	0	0	0	0	0	0	0
12	LA: Cameron Parish (22023)	2006	7,457	0	0	86.8	6	19	1	67.5	4	9.9	1	15.8	1
12	LA: Cameron Parish (22023)	2007	7,228	0	0	137.4	8	0	0	32.6	2	0	0	21.1	1
12	LA: Cameron Parish (22023)	2008	7,100	0	0	86	5	0	0	40.2	2	32.4	2	0	0
13	LA: Catahoula Parish (22025)	2000-2008	89,899	0	0	72.6	76	2.9	3	11.4	12	12.3	13	11.3	11
13	LA: Catahoula Parish (22025)	2000	10,903	0	0	84.6	10	8.7	1	16.3	2	23.3	3	25.5	3
13	LA: Catahoula Parish (22025)	2001	10,793	0	0	81.5	10	0	0	0	0	0	0	7.9	1
13	LA: Catahoula Parish (22025)	2002	10,659	0	0	78.2	9	0	0	7.4	1	7.9	1	8.9	1
13	LA: Catahoula Parish (22025)	2003	10,556	0	0	91.6	11	7.6	1	7.5	1	0	0	0	0
13	LA: Catahoula Parish (22025)	2004	10,455	0	0	56.2	7	0	0	24.1	3	16.4	2	0	0
13	LA: Catahoula Parish (22025)	2005	5,126	0	0	93.1	5	0	0	0	0	30.8	2	27.7	1
13	LA: Catahoula Parish (22025)	2006	10,402	0	0	70.4	9	0	0	0	0	0	0	25.6	3

13	LA: Catahoula Parish (22025)	2007	10,452	0	0	65.6	9	0	0	42	5	16.4	2	15.5	2
13	LA: Catahoula Parish (22025)	2008	10,553	0	0	47.2	6	6.8	1	0	0	24	3	0	0
14	LA: Claiborne Parish (22027)	2000-2008	139,715	0.8	1	78.7	135	4.6	6	14.7	25	12	20	15.3	25
14	LA: Claiborne Parish (22027)	2000	16,779	0	0	69.5	15	0	0	34.7	7	9.3	2	3.6	1
14	LA: Claiborne Parish (22027)	2001	16,606	0	0	91.5	19	0	0	9.7	2	24.5	5	14.8	3
14	LA: Claiborne Parish (22027)	2002	16,482	0	0	70.5	15	12.5	2	25.4	5	20.4	3	17.1	3
14	LA: Claiborne Parish (22027)	2003	16,425	7.1	1	93.8	18	7.1	1	16.4	3	5.9	1	35.5	6
14	LA: Claiborne Parish (22027)	2004	16,130	0	0	72.9	14	6.3	1	4.7	1	5	1	9.7	2
14	LA: Claiborne Parish (22027)	2005	8,146	0	0	68.1	7	0	0	0	0	17.9	2	7.8	1
14	LA: Claiborne Parish (22027)	2006	16,435	0	0	76.2	16	0	0	14.5	3	4.2	1	5.2	1
14	LA: Claiborne Parish (22027)	2007	16,431	0	0	75.2	15	7.4	1	0	0	20.5	4	18	4
14	LA: Claiborne Parish (22027)	2008	16,281	0	0	84.7	16	4.6	1	17.8	4	4.5	1	21.8	4
15	LA: Concordia Parish (22029)	2000-2008	164,992	0.7	1	70.4	136	2.7	5	16.4	30	10.6	20	10.6	21
15	LA: Concordia Parish (22029)	2000	20,212	0	0	97.8	22	0	0	8.8	2	0	0	9.3	2
15	LA: Concordia Parish (22029)	2001	19,931	0	0	84	19	0	0	15.1	3	5.3	1	16.2	4
15	LA: Concordia Parish (22029)	2002	19,735	0	0	52.6	12	0	0	8.4	2	12.8	3	8.8	2
15	LA: Concordia Parish (22029)	2003	19,477	0	0	81.4	18	0	0	21.3	5	4.7	1	12.7	3

15	LA: Concordia Parish (22029)	2004	19,188	6.1	1	66.4	15	5.4	1	13.5	3	13.2	3	4.4	1
15	LA: Concordia Parish (22029)	2005	9,457	0	0	69.1	8	17.2	2	16.6	2	19.1	2	0	0
15	LA: Concordia Parish (22029)	2006	19,144	0	0	50.6	12	4.3	1	27.5	5	8.4	2	4.2	1
15	LA: Concordia Parish (22029)	2007	18,924	0	0	64.4	15	0	0	20.1	4	11.9	3	17.8	4
15	LA: Concordia Parish (22029)	2008	18,924	0	0	64.6	15	4.2	1	16.9	4	22.5	5	16.6	4
16	LA: De Soto Parish (22031)	2000-2008	219,948	0.4	1	83	205	4.7	11	18.5	46	11.9	29	13.5	33
16	LA: De Soto Parish (22031)	2000	25,513	0	0	61.3	17	0	0	18.1	5	3.6	1	22.5	6
16	LA: De Soto Parish (22031)	2001	25,452	0	0	93.9	26	7.9	2	3.1	1	13.8	4	13.7	4
16	LA: De Soto Parish (22031)	2002	25,586	0	0	81.4	23	7	2	10.3	3	10.4	3	28.8	8
16	LA: De Soto Parish (22031)	2003	25,635	3.4	1	77.2	22	3.4	1	17.4	5	10.9	3	14.6	4
16	LA: De Soto Parish (22031)	2004	25,904	0	0	78	22	0	0	16.8	5	7.5	2	10	3
16	LA: De Soto Parish (22031)	2005	12,977	0	0	113.7	17	20.5	3	18.7	3	0	0	7.3	1
16	LA: De Soto Parish (22031)	2006	26,081	0	0	98	30	13	3	27	8	17.5	5	3.7	1
16	LA: De Soto Parish (22031)	2007	26,317	0	0	64.9	19	0	0	35.2	11	27.2	8	13.6	4
16	LA: De Soto Parish (22031)	2008	26,483	0	0	97.6	29	0	0	17.5	5	10.6	3	6.3	2
17	LA: East Baton Rouge Parish (22033)	2000-2008	3,557,550	0.5	16	66.1	2,052	4.2	136	18.6	592	12	378	10.5	336
17	LA: East Baton Rouge Parish (22033)	2000	412,919	0.3	1	64.1	218	5.3	19	19.8	70	10.1	35	13.8	48

17	LA: East Baton Rouge Parish (22033)	2001	411,408	0.6	2	73.7	253	4.9	18	17.6	62	18.7	65	9.9	34
17	LA: East Baton Rouge Parish (22033)	2002	410,438	1	4	59.5	208	4.1	14	18.2	66	8.6	32	11.4	40
17	LA: East Baton Rouge Parish (22033)	2003	411,473	0.3	1	58.8	210	3.3	13	15.2	56	12.1	43	9.1	34
17	LA: East Baton Rouge Parish (22033)	2004	412,772	0	0	70.3	250	3.7	14	20.6	78	13.2	48	10.7	39
17	LA: East Baton Rouge Parish (22033)	2005	205,930	0.5	1	73.4	133	2.6	5	13.8	25	16.6	29	8	16
17	LA: East Baton Rouge Parish (22033)	2006	430,886	0.7	3	66.7	257	3.8	16	18.3	72	8.8	35	8.4	34
17	LA: East Baton Rouge Parish (22033)	2007	430,700	0.5	2	70.4	276	4.2	17	20.3	81	12	48	10.3	42
17	LA: East Baton Rouge Parish (22033)	2008	431,024	0.4	2	62.2	247	4.6	20	21.3	82	10.8	43	12.2	49
18	LA: East Carroll Parish (22035)	2000-2008	74,057	1.1	1	75.4	55	4.4	3	12.7	9	20.7	15	11.4	8
18	LA: East Carroll Parish (22035)	2000	9,402	0	0	42.8	4	0	0	32.9	3	10.4	1	0	0
18	LA: East Carroll Parish (22035)	2001	9,183	0	0	80.5	7	0	0	0	0	46.3	4	12.9	1
18	LA: East Carroll Parish (22035)	2002	8,977	0	0	59.4	5	0	0	0	0	13.6	1	10	1
18	LA: East Carroll Parish (22035)	2003	8,833	0	0	71	6	0	0	9.6	1	19.3	2	0	0
18	LA: East Carroll Parish (22035)	2004	8,692	0	0	84.5	7	0	0	0	0	11.9	1	0	0
18	LA: East Carroll Parish (22035)	2005	4,247	0	0	135.5	6	0	0	0	0	0	0	23.6	1
18	LA: East Carroll Parish (22035)	2006	8,323	0	0	94	8	0	0	51.5	4	23.7	2	12.6	1
18	LA: East Carroll Parish (22035)	2007	8,260	0	0	98.9	8	24.5	2	0	0	37.4	3	20.7	2

18	LA: East Carroll Parish (22035)	2008	8,140	10.2	1	45.4	4	12.5	1	11.6	1	15.3	1	24.6	2
19	LA: East Feliciana Parish (22037)	2000-2008	178,300	2.9	6	85.6	150	3.9	6	17.1	31	8.2	15	14.7	27
19	LA: East Feliciana Parish (22037)	2000	21,365	0	0	71.3	13	0	0	0	0	14.8	3	16	3
19	LA: East Feliciana Parish (22037)	2001	21,197	0	0	62.6	12	16.4	3	24.6	5	18.8	4	14.6	3
19	LA: East Feliciana Parish (22037)	2002	21,025	4.2	1	106.4	22	0	0	21	4	11	2	4.2	1
19	LA: East Feliciana Parish (22037)	2003	20,909	8.9	2	72	14	0	0	31.3	7	4.9	1	21.3	5
19	LA: East Feliciana Parish (22037)	2004	20,680	0	0	113.1	23	5.8	1	30.8	6	4.6	1	5.8	1
19	LA: East Feliciana Parish (22037)	2005	10,262	0	0	125.9	14	0	0	0	0	0	0	28	3
19	LA: East Feliciana Parish (22037)	2006	21,002	7.2	2	66.5	14	5.4	1	14.7	3	3.9	1	11	3
19	LA: East Feliciana Parish (22037)	2007	20,902	0	0	51.4	13	5.8	1	9.2	2	0	0	9.2	2
19	LA: East Feliciana Parish (22037)	2008	20,958	3.4	1	118	25	0	0	17.5	4	12.8	3	24.4	6
20	LA: Evangeline Parish (22039)	2000-2008	300,197	0	0	85.8	258	3	9	24.2	73	12.7	38	11.8	35
20	LA: Evangeline Parish (22039)	2000	35,399	0	0	86.4	31	3.2	1	19.5	7	20.3	7	0	0
20	LA: Evangeline Parish (22039)	2001	35,288	0	0	93.5	32	2.6	1	25.8	9	14.7	5	18.3	6
20	LA: Evangeline Parish (22039)	2002	35,165	0	0	74	26	5.7	2	22.5	8	16.9	6	9.2	3
20	LA: Evangeline Parish (22039)	2003	34,897	0	0	73.7	26	0	0	23.5	8	17.1	6	2.8	1
20	LA: Evangeline Parish (22039)	2004	34,923	0	0	83.1	30	2.7	1	27.4	10	13.8	5	8.3	3

20	LA: Evangeline Parish (22039)	2005	17,595	0	0	89	16	0	0	28.5	5	10.9	2	11.2	2
20	LA: Evangeline Parish (22039)	2006	35,641	0	0	91.1	32	5.3	2	33.9	12	11.8	4	24.9	9
20	LA: Evangeline Parish (22039)	2007	35,834	0	0	91.1	34	0	0	19.7	7	5.2	2	16.3	6
20	LA: Evangeline Parish (22039)	2008	35,455	0	0	83.7	31	5.6	2	19.3	7	2.9	1	14.1	5
21	LA: Franklin Parish (22041)	2000-2008	174,118	0.4	1	86.6	177	3.9	8	23.7	48	12.4	24	7.9	16
21	LA: Franklin Parish (22041)	2000	21,245	0	0	91.3	23	7.9	2	7.5	2	8.9	2	0	0
21	LA: Franklin Parish (22041)	2001	20,956	0	0	79.5	20	4.1	1	12.8	3	20.4	5	8.1	2
21	LA: Franklin Parish (22041)	2002	20,726	0	0	44.8	10	4.6	1	32.1	7	18.4	4	4.2	1
21	LA: Franklin Parish (22041)	2003	20,615	0	0	103.7	24	3.9	1	11.7	3	3.9	1	8.3	2
21	LA: Franklin Parish (22041)	2004	20,472	0	0	92.4	22	8.9	2	34.4	8	13.2	3	9.5	2
21	LA: Franklin Parish (22041)	2005	10,068	7.7	1	103	11	0	0	17.4	2	0	0	7.5	1
21	LA: Franklin Parish (22041)	2006	20,059	0	0	64.8	15	4.2	1	35.8	9	19.9	4	7.5	2
21	LA: Franklin Parish (22041)	2007	20,028	0	0	55.5	14	0	0	23.9	6	5.3	1	12.9	3
21	LA: Franklin Parish (22041)	2008	19,949	0	0	150.8	38	0	0	35	8	17.5	4	12	3
22	LA: Grant Parish (22043)	2000-2008	162,842	0	0	95.1	164	1.1	2	22.1	37	10.5	18	9.8	17
22	LA: Grant Parish (22043)	2000	18,687	0	0	134.8	26	0	0	31.5	6	15.6	3	15.9	3
22	LA: Grant Parish (22043)	2001	18,642	0	0	72.9	14	0	0	9.1	2	25.8	5	10.3	2

22	LA: Grant Parish (22043)	2002	18,670	0	0	73.8	15	4.2	1	21.8	4	21.5	4	10.7	2
22	LA: Grant Parish (22043)	2003	18,739	0	0	95.1	18	0	0	26.3	5	0	0	13.8	3
22	LA: Grant Parish (22043)	2004	18,984	0	0	95.6	19	0	0	16.7	3	7.9	2	9.6	2
22	LA: Grant Parish (22043)	2005	9,641	0	0	85.3	9	10.8	1	11.3	1	0	0	7.8	1
22	LA: Grant Parish (22043)	2006	19,731	0	0	95.2	20	0	0	17.5	4	15.5	3	0	0
22	LA: Grant Parish (22043)	2007	19,774	0	0	120	25	0	0	23.7	5	0	0	10.4	2
22	LA: Grant Parish (22043)	2008	19,974	0	0	79.6	18	0	0	35.3	7	4.5	1	7.5	2
23	LA: Iberia Parish (22045)	2000-2008	627,756	0.6	4	90.6	547	3.8	23	16.4	99	12.7	78	13.8	84
23	LA: Iberia Parish (22045)	2000	73,234	1.4	1	80.3	54	5.8	4	13.4	9	14.3	10	13.4	9
23	LA: Iberia Parish (22045)	2001	73,277	0	0	83.7	57	5.7	4	15.7	11	14.9	10	7.1	5
23	LA: Iberia Parish (22045)	2002	73,345	0	0	96	66	2.9	2	18.1	12	15.9	11	14.3	10
23	LA: Iberia Parish (22045)	2003	73,390	0	0	92.6	65	3	2	7.1	5	13.6	10	8.5	6
23	LA: Iberia Parish (22045)	2004	73,399	1.3	1	101.9	71	5.2	4	12.5	9	4.6	3	18.5	13
23	LA: Iberia Parish (22045)	2005	36,800	0	0	75.6	27	0	0	27.9	10	18.9	7	8	3
23	LA: Iberia Parish (22045)	2006	74,481	2.4	2	93.3	69	2.8	2	16.7	12	14.7	11	12.7	9
23	LA: Iberia Parish (22045)	2007	74,810	0	0	88.2	66	3	2	19.9	15	14.2	11	16.9	13
23	LA: Iberia Parish (22045)	2008	75,020	0	0	96	72	3.5	3	21.4	16	6.4	5	21.9	16

24	LA: Iberville Parish (22047)	2000-2008	279,429	1.5	4	77.5	208	4	11	19.6	50	16.7	45	10.2	27
24	LA: Iberville Parish (22047)	2000	33,315	2.8	1	63.5	19	3.1	1	28.9	9	17.8	5	3.6	1
24	LA: Iberville Parish (22047)	2001	33,228	5.8	2	67.7	20	2.9	1	23.7	7	22.4	7	7.4	2
24	LA: Iberville Parish (22047)	2002	33,031	0	0	87.5	28	0	0	25.1	7	16.6	5	9.9	3
24	LA: Iberville Parish (22047)	2003	32,734	0	0	90.8	27	2.9	1	9.4	3	17.5	6	5.4	2
24	LA: Iberville Parish (22047)	2004	32,332	0	0	114	35	8.8	3	20.2	6	3.7	1	12.4	4
24	LA: Iberville Parish (22047)	2005	16,090	0	0	101.6	16	0	0	23.1	3	0	0	6.2	1
24	LA: Iberville Parish (22047)	2006	32,885	0	0	69.3	23	7.2	2	14.9	5	26	8	24.7	8
24	LA: Iberville Parish (22047)	2007	32,915	3.5	1	59	21	2.6	1	8.5	3	17.8	6	13	4
24	LA: Iberville Parish (22047)	2008	32,899	0	0	58.8	19	5.8	2	24.2	7	21.5	7	6.2	2
25	LA: Jackson Parish (22049)	2000-2008	129,258	0	0	92.2	150	3.3	5	19.9	32	17.6	29	9.3	15
25	LA: Jackson Parish (22049)	2000	15,381	0	0	91.9	17	5.5	1	10.5	2	25.7	5	16.9	3
25	LA: Jackson Parish (22049)	2001	15,369	0	0	122.6	23	0	0	5.5	1	5.5	1	5.5	1
25	LA: Jackson Parish (22049)	2002	15,207	0	0	83.2	15	6.6	1	15.8	3	14.7	3	5.4	1
25	LA: Jackson Parish (22049)	2003	15,187	0	0	94.1	18	4.6	1	21.8	4	25.9	5	0	0
25	LA: Jackson Parish (22049)	2004	15,147	0	0	66.3	12	5.7	1	0	0	33.4	6	15.8	3
25	LA: Jackson Parish (22049)	2005	7,527	0	0	73.1	7	0	0	18.6	2	0	0	11.2	1

25	LA: Jackson Parish (22049)	2006	15,209	0	0	102	20	0	0	27	5	4.4	1	10.3	2
25	LA: Jackson Parish (22049)	2007	15,075	0	0	107.7	22	5.8	1	41.3	8	16	3	9.4	2
25	LA: Jackson Parish (22049)	2008	15,156	0	0	80.1	16	0	0	34.8	7	24.6	5	8.8	2
26	LA: Jefferson Parish (22051)	2000-2008	3,793,993	0.9	35	78	3,115	3.3	130	20.8	824	11.1	434	10.7	428
26	LA: Jefferson Parish (22051)	2000	454,738	1.1	5	86	386	4.2	19	21.1	92	11.6	51	13.3	58
26	LA: Jefferson Parish (22051)	2001	452,088	1.1	5	83.4	378	3.1	14	20.1	92	10.3	46	6.9	32
26	LA: Jefferson Parish (22051)	2002	451,453	0.8	4	82.2	375	2.8	13	19.3	87	12.2	55	9.6	43
26	LA: Jefferson Parish (22051)	2003	451,533	0.8	4	80.6	372	5	22	21.7	99	9.4	43	12.4	58
26	LA: Jefferson Parish (22051)	2004	452,678	0.4	2	80.5	377	2.7	12	23.4	109	10.3	48	10.6	50
26	LA: Jefferson Parish (22051)	2005	225,826	0.4	1	84.3	196	4.6	11	20.7	48	10.7	24	10.1	24
26	LA: Jefferson Parish (22051)	2006	420,683	1.3	6	79.6	377	3.2	14	20.1	94	11.1	51	13.2	64
26	LA: Jefferson Parish (22051)	2007	440,339	0.7	3	69.5	339	3.1	15	18	87	15.4	71	9.8	48
26	LA: Jefferson Parish (22051)	2008	444,655	1	5	61.8	315	1.9	10	23.8	116	9.4	45	10	51
27	LA: Jefferson Davis Parish (22053)	2000-2008	263,895	0	0	95.5	270	3.3	9	20.9	59	10.9	30	14	38
27	LA: Jefferson Davis Parish (22053)	2000	31,398	0	0	103.5	33	3	1	18.4	6	17.9	6	3.1	1
27	LA: Jefferson Davis Parish (22053)	2001	31,098	0	0	88.3	29	6.4	2	9.4	3	3.1	1	20	6
27	LA: Jefferson Davis Parish (22053)	2002	30,946	0	0	54.2	18	3.5	1	29.2	9	12.1	4	15.8	5

27	LA: Jefferson Davis Parish (22053)	2003	30,871	0	0	103.9	34	2.8	1	41.6	14	14.6	5	9.3	3
27	LA: Jefferson Davis Parish (22053)	2004	30,820	0	0	102	34	0	0	30.6	10	19.2	6	12.9	4
27	LA: Jefferson Davis Parish (22053)	2005	15,448	0	0	78.3	13	0	0	22.6	4	5.5	1	6.3	1
27	LA: Jefferson Davis Parish (22053)	2006	31,177	0	0	107	37	6.3	2	8.7	3	5.8	2	18	6
27	LA: Jefferson Davis Parish (22053)	2007	31,037	0	0	99.5	33	0	0	8	3	6.9	2	16.8	6
27	LA: Jefferson Davis Parish (22053)	2008	31,100	0	0	113.1	39	5.8	2	19.1	7	10.2	3	19.2	6
28	LA: Lafayette Parish (22055)	2000-2008	1,678,781	0.8	12	80	1,138	3.7	57	19.7	284	13.2	193	11.1	165
28	LA: Lafayette Parish (22055)	2000	190,453	0.6	1	78.8	119	2	3	24.5	37	15.6	24	8.1	12
28	LA: Lafayette Parish (22055)	2001	190,825	0	0	80.6	126	3.9	7	21.1	35	18.6	30	13.7	22
28	LA: Lafayette Parish (22055)	2002	192,775	2.9	5	82.6	131	3.2	6	11.8	19	12.6	20	9.8	16
28	LA: Lafayette Parish (22055)	2003	193,915	0.5	1	101.6	162	3.9	7	23	38	14.3	23	14.2	23
28	LA: Lafayette Parish (22055)	2004	195,621	1.9	3	76.2	125	2.8	5	21.3	36	14.4	24	7.4	13
28	LA: Lafayette Parish (22055)	2005	98,671	0	0	85.3	72	0	0	15.5	14	10.1	9	6.1	5
28	LA: Lafayette Parish (22055)	2006	203,659	0.5	1	68.6	123	4.4	8	22	40	11.6	22	11.5	21
28	LA: Lafayette Parish (22055)	2007	205,203	0	0	70.9	129	5.6	11	16.4	30	13.4	25	14	28
28	LA: Lafayette Parish (22055)	2008	207,659	0.4	1	80.9	151	5	10	18.7	35	8.4	16	13	25
29	LA: Lafourche Parish (22057)	2000-2008	778,452	0.9	7	66	502	2.7	20	19.2	146	11.2	84	11.4	88

29	LA: Lafourche Parish (22057)	2000	89,974	1.1	1	79.2	66	1.2	1	21.9	19	14.6	12	16.6	14
29	LA: Lafourche Parish (22057)	2001	90,054	0	0	60.4	51	2.4	2	20	18	17.6	14	8.2	7
29	LA: Lafourche Parish (22057)	2002	90,666	0	0	61.3	53	5.9	5	12.6	11	11.2	10	12.4	11
29	LA: Lafourche Parish (22057)	2003	91,236	1.2	1	75.5	66	1.3	1	15.3	13	12.4	11	11.9	10
29	LA: Lafourche Parish (22057)	2004	91,624	0	0	66.6	60	0	0	19.7	17	8.7	8	6.4	6
29	LA: Lafourche Parish (22057)	2005	45,681	0	0	68.1	31	9.5	4	16.8	8	11.2	5	9	4
29	LA: Lafourche Parish (22057)	2006	92,780	1	1	79.6	74	5.2	5	22.1	21	12.9	12	17.1	16
29	LA: Lafourche Parish (22057)	2007	92,881	2.9	3	54.6	52	1.3	1	20.8	19	5.6	5	5.9	6
29	LA: Lafourche Parish (22057)	2008	93,556	0.9	1	50.4	49	1.4	1	21.9	20	7.6	7	14.6	14
30	LA: La Salle Parish (22059)	2000-2008	119,644	0	0	89	120	2.6	3	19.8	25	13.9	19	12.5	16
30	LA: La Salle Parish (22059)	2000	14,264	0	0	72.7	11	0	0	35.6	5	20.1	3	18.3	3
30	LA: La Salle Parish (22059)	2001	14,119	0	0	83.2	13	13.2	2	18.7	3	6.9	1	19.6	3
30	LA: La Salle Parish (22059)	2002	14,187	0	0	69.5	11	0	0	24.9	4	10.6	2	6.9	1
30	LA: La Salle Parish (22059)	2003	14,094	0	0	93.4	15	0	0	0	0	18.4	3	13.3	2
30	LA: La Salle Parish (22059)	2004	14,023	0	0	86.6	14	8.6	1	0	0	24.7	4	11.8	2
30	LA: La Salle Parish (22059)	2005	6,944	0	0	149.7	12	0	0	11.7	1	11.8	1	23.7	2
30	LA: La Salle Parish (22059)	2006	14,008	0	0	100.6	16	0	0	28.1	4	5.7	1	0	0

30	LA: La Salle Parish (22059)	2007	13,993	0	0	104.7	17	0	0	27	4	0	0	8.9	1
30	LA: La Salle Parish (22059)	2008	14,012	0	0	68.8	11	0	0	24.8	4	25	4	16.9	2
31	LA: Lincoln Parish (22061)	2000-2008	361,174	0.4	1	70.4	226	5.9	19	13.6	42	13.3	45	16.3	49
31	LA: Lincoln Parish (22061)	2000	42,510	0	0	66.8	24	3.1	1	5.5	2	15.6	6	5.7	2
31	LA: Lincoln Parish (22061)	2001	42,189	0	0	43.9	16	2.5	1	3	1	0.9	1	14	5
31	LA: Lincoln Parish (22061)	2002	41,993	0	0	69.8	26	2.8	1	5.6	2	24.5	9	10.7	4
31	LA: Lincoln Parish (22061)	2003	42,357	0	0	96.3	36	6.1	2	9	3	13.2	5	19.9	7
31	LA: Lincoln Parish (22061)	2004	42,733	0	0	71.3	27	9.3	3	13.3	5	13.8	5	12.6	4
31	LA: Lincoln Parish (22061)	2005	21,328	0	0	77.3	15	3	2	16.7	3	7.2	2	19.4	3
31	LA: Lincoln Parish (22061)	2006	42,556	0	0	85.3	33	8.1	3	25	9	7.1	3	25.8	9
31	LA: Lincoln Parish (22061)	2007	42,695	0	0	62.6	24	11.7	4	28.9	11	20.5	8	25.8	9
31	LA: Lincoln Parish (22061)	2008	42,813	4.3	1	64	25	5.1	2	16.5	6	14	6	16.5	6
32	LA: Livingston Parish (22063)	2000-2008	897,081	0.7	6	84	610	4.1	31	19	144	11.6	85	14.4	111
32	LA: Livingston Parish (22063)	2000	92,531	1.1	1	85.6	61	2.4	2	13.9	11	17	12	19.7	13
32	LA: Livingston Parish (22063)	2001	95,203	0	0	92.4	66	0	0	15.6	13	18.4	13	7.6	5
32	LA: Livingston Parish (22063)	2002	98,305	0	0	76.7	59	7.1	6	22.1	17	13.5	9	14.6	12
32	LA: Livingston Parish (22063)	2003	101,066	0	0	78	65	4	3	17.8	15	17.6	13	16.9	15

32	LA: Livingston Parish (22063)	2004	104,631	2.2	2	84.7	70	2.9	3	15.2	15	9.2	8	15.9	15
32	LA: Livingston Parish (22063)	2005	53,708	1.6	1	65.1	28	0	0	17.9	8	9.7	5	13	6
32	LA: Livingston Parish (22063)	2006	113,529	0	0	87.5	84	7.7	7	21	19	8.2	9	10.8	11
32	LA: Livingston Parish (22063)	2007	117,028	0	0	75.9	72	5.3	6	23.9	24	9.8	10	20.7	22
32	LA: Livingston Parish (22063)	2008	121,080	1.6	2	97.2	105	4.2	4	20.4	22	5.3	6	10.3	12
33	LA: Madison Parish (22065)	2000-2008	106,520	0	0	77.1	78	1.9	2	10.8	11	10.4	11	13.5	13
33	LA: Madison Parish (22065)	2000	13,707	0	0	64.2	8	0	0	7.9	1	15.7	2	24.2	3
33	LA: Madison Parish (22065)	2001	13,394	0	0	56.4	7	0	0	0	0	0	0	0	0
33	LA: Madison Parish (22065)	2002	13,027	0	0	57.3	7	0	0	8.2	1	24.7	3	8.3	1
33	LA: Madison Parish (22065)	2003	12,617	0	0	119.4	14	0	0	0	0	0	0	17.1	2
33	LA: Madison Parish (22065)	2004	12,255	0	0	84.5	10	0	0	15.9	2	15.3	2	17.9	2
33	LA: Madison Parish (22065)	2005	6,043	0	0	124.8	7	0	0	0	0	0	0	0	0
33	LA: Madison Parish (22065)	2006	11,942	0	0	83.6	10	0	0	6.9	1	24	3	20.1	2
33	LA: Madison Parish (22065)	2007	11,796	0	0	60.1	7	7.2	1	35.8	4	0	0	16	2
33	LA: Madison Parish (22065)	2008	11,739	0	0	74.3	8	9.4	1	20.3	2	8	1	11.7	1
34	LA: Morehouse Parish (22067)	2000-2008	253,038	1	3	80.8	236	2.5	7	15.2	44	13.2	39	11.5	33
34	LA: Morehouse Parish (22067)	2000	30,962	0	0	87.4	30	7.1	2	22.4	8	8.2	3	14.6	5

34	LA: Morehouse Parish (22067)	2001	30,631	0	0	71.9	25	5.5	2	26	9	14.1	5	11.6	4
34	LA: Morehouse Parish (22067)	2002	30,362	2.7	1	79.2	27	2.8	1	3	1	20.5	7	6.1	2
34	LA: Morehouse Parish (22067)	2003	30,263	0	0	96	33	0	0	18.4	6	19.7	7	17.7	6
34	LA: Morehouse Parish (22067)	2004	29,946	2.8	1	81.5	27	0	0	20.3	7	8.6	3	11.4	4
34	LA: Morehouse Parish (22067)	2005	14,709	0	0	110.3	19	0	0	10.3	2	11.5	2	12.6	2
34	LA: Morehouse Parish (22067)	2006	29,152	2.5	1	82.7	29	0	0	12.1	4	11.9	4	5.8	2
34	LA: Morehouse Parish (22067)	2007	28,588	0	0	75.1	25	2.6	1	16	5	9.5	3	25.8	8
34	LA: Morehouse Parish (22067)	2008	28,425	0	0	59.6	21	2.7	1	7	2	16.1	5	0	0
35	LA: Natchitoches Parish (22069)	2000-2008	330,529	0	0	73.1	237	2.3	7	14	43	18	59	12.6	39
35	LA: Natchitoches Parish (22069)	2000	39,097	0	0	77.1	28	0	0	16.7	6	27	10	17	6
35	LA: Natchitoches Parish (22069)	2001	38,780	0	0	55.3	20	0	0	5.4	2	5.4	2	2.7	1
35	LA: Natchitoches Parish (22069)	2002	39,030	0	0	94.7	35	0	0	23.6	8	27.6	10	19.4	7
35	LA: Natchitoches Parish (22069)	2003	38,694	0	0	50.8	19	3.4	1	9.6	3	21.6	8	7.9	3
35	LA: Natchitoches Parish (22069)	2004	38,694	0	0	87.5	33	10.8	4	18.5	7	18.8	7	11.1	4
35	LA: Natchitoches Parish (22069)	2005	19,394	0	0	78.1	15	0	0	25.2	5	4.9	1	4.6	1
35	LA: Natchitoches Parish (22069)	2006	38,833	0	0	75.4	30	0	0	0	0	7.6	3	14.3	5
35	LA: Natchitoches Parish (22069)	2007	38,957	0	0	66.9	27	2.3	1	18.9	7	24.1	10	15.9	6

35	LA: Natchitoches Parish (22069)	2008	39,050	0	0	72.3	30	2.6	1	13.9	5	18.5	8	17.2	6
36	LA: Orleans Parish (22071)	2000-2008	3,424,914	0.9	29	72.3	2,423	3	100	17.2	579	9.6	320	10.2	344
36	LA: Orleans Parish (22071)	2000	483,663	1.4	6	81.4	365	2.3	11	17.2	78	11.7	54	11.9	53
36	LA: Orleans Parish (22071)	2001	477,932	1.1	5	78.8	351	3.8	18	18.8	85	11.9	54	12.2	54
36	LA: Orleans Parish (22071)	2002	472,744	0.9	4	75.2	334	2.7	13	18	81	9.4	42	10.4	47
36	LA: Orleans Parish (22071)	2003	467,761	1.1	5	76.1	337	3.7	16	15.3	69	8.9	39	12.1	55
36	LA: Orleans Parish (22071)	2004	461,915	0.7	3	77.8	345	2.4	11	17.4	78	9.5	42	8	35
36	LA: Orleans Parish (22071)	2005	227,594	0	0	72.1	160	2.7	6	14.1	32	10.6	23	12.1	28
36	LA: Orleans Parish (22071)	2006	208,548	1	2	63.2	152	1.1	2	17.5	41	9.1	20	6.8	16
36	LA: Orleans Parish (22071)	2007	288,113	0.3	1	60.2	182	3.5	10	20.9	64	7.8	25	8.9	29
36	LA: Orleans Parish (22071)	2008	336,644	0.9	3	55.3	197	3.8	13	14.9	51	6.2	21	7.3	27
37	LA: Ouachita Parish (22073)	2000-2008	1,261,952	1.1	13	79.8	971	3.9	49	19.6	237	13.1	159	10.9	132
37	LA: Ouachita Parish (22073)	2000	147,266	0.7	1	86.6	119	3.5	5	18.8	26	9.4	13	7.3	10
37	LA: Ouachita Parish (22073)	2001	146,601	0.7	1	89.4	123	2.9	4	15.2	21	15.8	22	7.3	10
37	LA: Ouachita Parish (22073)	2002	147,335	1.5	2	70.2	98	2.8	4	22.2	31	14.4	20	13	18
37	LA: Ouachita Parish (22073)	2003	147,890	1.4	2	77.2	109	3.6	5	22	31	21.2	29	11.7	16
37	LA: Ouachita Parish (22073)	2004	148,455	0	0	70	100	3.7	6	13.8	20	9.7	14	7	10

37	LA: Ouachita Parish (22073)	2005	74,219	1.4	1	78.3	56	6.5	5	29.4	21	15	11	16.1	12
37	LA: Ouachita Parish (22073)	2006	149,989	1.2	2	94.5	139	3.4	5	17	25	11.9	17	11.2	16
37	LA: Ouachita Parish (22073)	2007	149,880	0	0	79.3	118	4.1	6	20.6	31	9.4	14	12.9	20
37	LA: Ouachita Parish (22073)	2008	150,317	2.5	4	72.9	109	6.2	9	21.6	31	13.3	19	13.1	20
38	LA: Plaquemines Parish (22075)	2000-2008	215,013	0.4	1	86.1	165	2.4	5	17.8	34	15	27	11.8	24
38	LA: Plaquemines Parish (22075)	2000	26,737	0	0	76.8	18	3.5	1	28.8	6	15.3	3	7.2	2
38	LA: Plaquemines Parish (22075)	2001	26,852	0	0	104.2	25	0	0	15.4	3	22.1	5	7.4	2
38	LA: Plaquemines Parish (22075)	2002	27,119	0	0	98	24	0	0	25.3	6	8.8	2	19.3	5
38	LA: Plaquemines Parish (22075)	2003	27,644	3.5	1	102.3	25	3.8	1	12.4	3	3.5	1	14.2	3
38	LA: Plaquemines Parish (22075)	2004	28,602	0	0	115.8	28	3.5	1	14.6	4	18.3	4	16.1	4
38	LA: Plaquemines Parish (22075)	2005	14,275	0	0	138.3	17	0	0	22.8	3	22.5	3	7.6	1
38	LA: Plaquemines Parish (22075)	2006	21,293	0	0	50.1	10	4.6	1	9.9	2	0	0	13	3
38	LA: Plaquemines Parish (22075)	2007	21,353	0	0	57.7	11	4.7	1	26.2	5	29.1	6	10.6	2
38	LA: Plaquemines Parish (22075)	2008	21,138	0	0	36.8	7	0	0	9.3	2	20	3	7.9	2
39	LA: Pointe Coupee Parish (22077)	2000-2008	190,220	1.4	3	81.4	177	2.9	6	18.7	40	10.5	21	12.1	27
39	LA: Pointe Coupee Parish (22077)	2000	22,756	4.3	1	78.4	19	0	0	11.4	3	8.8	2	12.1	3
39	LA: Pointe Coupee Parish (22077)	2001	22,522	0	0	97.2	23	0	0	19.3	5	0	0	12.2	3

39	LA: Pointe Coupee Parish (22077)	2002	22,347	0	0	69.6	17	4.3	1	19.9	5	9	2	0	0
39	LA: Pointe Coupee Parish (22077)	2003	22,199	0	0	83.8	21	3.6	1	23.2	6	20.6	5	11.9	3
39	LA: Pointe Coupee Parish (22077)	2004	22,110	0	0	71.4	18	0	0	12	3	12.7	3	10.4	3
39	LA: Pointe Coupee Parish (22077)	2005	10,898	8.4	1	52.8	7	12	1	0	0	8.4	1	8.4	1
39	LA: Pointe Coupee Parish (22077)	2006	22,405	3.6	1	90.5	24	4	1	10.9	3	8.9	2	7.1	2
39	LA: Pointe Coupee Parish (22077)	2007	22,447	0	0	81.7	22	0	0	30.4	8	9.9	3	18.9	5
39	LA: Pointe Coupee Parish (22077)	2008	22,536	0	0	98.4	26	7.1	2	32.8	7	16.4	3	23.8	7
40	LA: Rapides Parish (22079)	2000-2008	1,096,096	0.7	8	80.9	942	2.7	31	18.2	211	15.1	173	11.3	131
40	LA: Rapides Parish (22079)	2000	126,392	0	0	89.3	116	3	4	16.3	21	13.3	17	13.4	17
40	LA: Rapides Parish (22079)	2001	126,276	0.8	1	74.7	98	2.3	3	14.7	19	12.2	16	15.1	20
40	LA: Rapides Parish (22079)	2002	126,467	2.2	3	81.5	108	2.4	3	22.2	29	17.5	23	12	16
40	LA: Rapides Parish (22079)	2003	126,806	0	0	75.3	100	1.5	2	15.2	20	15.3	20	12.7	17
40	LA: Rapides Parish (22079)	2004	127,376	0	0	89.2	120	4.1	5	14.9	20	20	27	8.8	12
40	LA: Rapides Parish (22079)	2005	63,923	0	0	73	50	5.8	4	26.5	18	16.7	11	13.4	9
40	LA: Rapides Parish (22079)	2006	132,436	1.5	2	75.3	106	2	3	18.4	26	14.9	21	8.2	12
40	LA: Rapides Parish (22079)	2007	132,943	0	0	88.5	131	2.2	3	17.3	24	12.6	17	8.4	12
40	LA: Rapides Parish (22079)	2008	133,477	1.3	2	77.7	113	3	4	22.5	34	14.6	21	11.2	16

41	LA: Red River Parish (22081)	2000-2008	79,264	0	0	83.6	73	4.2	3	19.8	16	7.6	7	10.2	9
41	LA: Red River Parish (22081)	2000	9,598	0	0	68.7	7	12.5	1	0	0	18.3	2	21.2	2
41	LA: Red River Parish (22081)	2001	9,478	0	0	105.3	11	0	0	13	1	18.5	2	9.6	1
41	LA: Red River Parish (22081)	2002	9,434	0	0	61.9	7	23.4	2	20.6	2	0	0	17.5	2
41	LA: Red River Parish (22081)	2003	9,413	0	0	46.8	5	0	0	29.5	3	0	0	30	3
41	LA: Red River Parish (22081)	2004	9,363	0	0	90.3	9	0	0	9.7	1	9.6	1	8.9	1
41	LA: Red River Parish (22081)	2005	4,603	0	0	70.8	4	0	0	20.8	1	0	0	0	0
41	LA: Red River Parish (22081)	2006	9,177	0	0	93.7	9	0	0	16.8	2	10.5	1	0	0
41	LA: Red River Parish (22081)	2007	9,137	0	0	73.7	7	0	0	10.8	1	0	0	0	0
41	LA: Red River Parish (22081)	2008	9,061	0	0	145.3	14	0	0	55.1	5	11.7	1	0	0
42	LA: Richland Parish (22083)	2000-2008	174,828	1.5	3	97.3	189	4.7	9	19.7	38	11.9	23	8.5	17
42	LA: Richland Parish (22083)	2000	20,930	0	0	93.6	22	8.3	2	30.1	7	8.7	2	4.1	1
42	LA: Richland Parish (22083)	2001	20,848	0	0	101.7	23	0	0	17.3	4	12.6	3	17	4
42	LA: Richland Parish (22083)	2002	20,720	4.2	1	135.3	30	9.7	2	17	4	8.8	2	4.8	1
42	LA: Richland Parish (22083)	2003	20,472	8.7	2	97.2	22	0	0	22	5	17.2	4	8.3	2
42	LA: Richland Parish (22083)	2004	20,351	0	0	96.3	22	8.5	2	13.5	3	8.3	2	11.6	3
42	LA: Richland Parish (22083)	2005	10,147	0	0	97.7	11	8.7	1	17.1	2	0	0	8.8	1

42	LA: Richland Parish (22083)	2006	20,436	0	0	90.6	21	8.6	2	12.4	3	12.8	3	8.2	2
42	LA: Richland Parish (22083)	2007	20,429	0	0	79.1	18	0	0	18.5	4	14.5	3	9.2	2
42	LA: Richland Parish (22083)	2008	20,495	0	0	86.2	20	0	0	25.6	6	16.1	4	3.8	1
43	LA: Sabine Parish (22085)	2000-2008	199,521	0	0	95	244	4	9	19	46	13.2	32	10.3	26
43	LA: Sabine Parish (22085)	2000	23,495	0	0	117.1	34	0	0	38.6	10	16.1	5	11	3
43	LA: Sabine Parish (22085)	2001	23,345	0	0	119.8	35	12.9	3	13.6	4	15.5	4	6.2	2
43	LA: Sabine Parish (22085)	2002	23,290	0	0	81.1	24	3.6	1	14.9	4	13.8	4	9.5	3
43	LA: Sabine Parish (22085)	2003	23,363	0	0	90.2	28	0	0	16.1	5	11	3	21.5	6
43	LA: Sabine Parish (22085)	2004	23,317	0	0	79.9	23	10.6	3	8.9	3	16.5	5	21	6
43	LA: Sabine Parish (22085)	2005	11,701	0	0	78.7	11	5.1	1	15.5	2	20.3	3	7.2	1
43	LA: Sabine Parish (22085)	2006	23,603	0	0	112.5	35	3.8	1	28.5	9	3.4	1	2.6	1
43	LA: Sabine Parish (22085)	2007	23,701	0	0	58.5	19	0	0	23.5	6	11.9	3	5.1	2
43	LA: Sabine Parish (22085)	2008	23,706	0	0	111	35	0	0	8.7	3	12.8	4	6.3	2
44	LA: St. Bernard Parish (22087)	2000-2008	449,059	1.4	7	98.5	472	4.9	23	17.8	83	8.7	40	11.6	55
44	LA: St. Bernard Parish (22087)	2000	66,988	1.3	1	134.1	96	2.7	2	20	13	7.9	5	8.1	5
44	LA: St. Bernard Parish (22087)	2001	66,554	0	0	102.4	74	6.2	4	16	11	17.1	11	16.1	11
44	LA: St. Bernard Parish (22087)	2002	66,286	1.4	1	110.1	76	7	5	17.1	12	4.4	3	13.3	9

44	LA: St. Bernard Parish (22087)	2003	65,727	1.4	1	92	67	5.5	4	23.5	16	9.9	7	16	11
44	LA: St. Bernard Parish (22087)	2004	65,427	2.5	2	85.1	62	5.5	4	18.1	13	12.7	9	10.5	8
44	LA: St. Bernard Parish (22087)	2005	32,476	5.6	2	75.2	27	0	0	13.1	5	0	0	10.9	4
44	LA: St. Bernard Parish (22087)	2006	14,493	0	0	116.7	20	0	0	23.6	5	9.5	2	4.4	1
44	LA: St. Bernard Parish (22087)	2007	33,439	0	0	75.2	24	7.2	2	15.4	5	0	0	9.4	4
44	LA: St. Bernard Parish (22087)	2008	37,669	0	0	80.7	26	4.1	2	10.9	3	9.5	3	4.1	2
45	LA: St. Charles Parish (22089)	2000-2008	424,477	1.2	5	73.6	259	3.3	13	19.8	75	17.6	63	6.9	26
45	LA: St. Charles Parish (22089)	2000	48,160	0	0	68.1	26	1.8	1	31	12	20.8	8	2.2	1
45	LA: St. Charles Parish (22089)	2001	48,412	2.5	1	87.9	34	2.5	1	14.2	6	15.7	7	3.5	1
45	LA: St. Charles Parish (22089)	2002	48,960	2	1	61.6	24	4.5	2	21	9	22.2	9	8.5	3
45	LA: St. Charles Parish (22089)	2003	49,039	2.3	1	97.3	37	5.1	2	23.6	10	17.2	7	4.2	2
45	LA: St. Charles Parish (22089)	2004	49,524	0	0	92.5	36	6.4	3	14.7	6	11.9	5	11.6	5
45	LA: St. Charles Parish (22089)	2005	25,058	0	0	76.7	16	0	0	16.5	4	12.9	3	3.6	1
45	LA: St. Charles Parish (22089)	2006	51,759	1.5	1	53.6	23	0	0	30.5	14	22.3	9	17	8
45	LA: St. Charles Parish (22089)	2007	51,946	0	0	50.1	24	3.8	2	12.9	7	21.2	10	6.2	3
45	LA: St. Charles Parish (22089)	2008	51,619	2	1	80.5	39	4.1	2	13.7	7	10.7	5	3.2	2
46	LA: St. Helena Parish (22091)	2000-2008	88,828	0	0	80.2	74	4	4	17.3	16	4.5	4	17.4	17

46	LA: St. Helena Parish (22091)	2000	10,508	0	0	79.9	8	0	0	0	0	0	17.9	2
46	LA: St. Helena Parish (22091)	2001	10,424	0	0	73.6	8	0	0	19	2	0	27.1	3
46	LA: St. Helena Parish (22091)	2002	10,429	0	0	79.2	8	0	0	19.7	2	20	27.5	3
46	LA: St. Helena Parish (22091)	2003	10,321	0	0	96.9	11	0	0	48.2	5	0	0	0
46	LA: St. Helena Parish (22091)	2004	10,259	0	0	71.2	7	0	0	17.9	2	0	7.5	1
46	LA: St. Helena Parish (22091)	2005	5,086	0	0	72.8	4	0	0	22.9	1	23.9	1	33.4
46	LA: St. Helena Parish (22091)	2006	10,659	0	0	106.6	11	0	0	7.9	1	6.7	1	19.1
46	LA: St. Helena Parish (22091)	2007	10,581	0	0	77.1	10	21.8	3	17.2	2	0	0	0
46	LA: St. Helena Parish (22091)	2008	10,561	0	0	66.3	7	11	1	9.6	1	0	0	32.5
47	LA: St. James Parish (22093)	2000-2008	178,851	1.1	2	67.7	119	2.9	5	18.5	32	10.4	18	15.8
47	LA: St. James Parish (22093)	2000	21,179	0	0	63.5	12	9.4	2	9.4	2	5	1	4.2
47	LA: St. James Parish (22093)	2001	21,146	0	0	81	16	0	0	14.7	3	0	0	9.2
47	LA: St. James Parish (22093)	2002	21,097	0	0	45.3	9	0	0	18.3	4	10.6	2	10.3
47	LA: St. James Parish (22093)	2003	20,869	0	0	27	6	0	0	13.2	3	4.3	1	26.2
47	LA: St. James Parish (22093)	2004	20,703	0	0	99.6	20	4.3	1	23.7	5	23	5	14.9
47	LA: St. James Parish (22093)	2005	10,370	0	0	50.1	5	11	1	24.5	2	18.7	2	19.9
47	LA: St. James Parish (22093)	2006	21,159	0	0	86.6	18	0	0	28.3	6	11.2	2	21.1

47	LA: St. James Parish (22093)	2007	21,245	9.4	2	63.7	15	0	0	4.8	1	10	2	13.6	3
47	LA: St. James Parish (22093)	2008	21,083	0	0	82.8	18	4.9	1	31.7	6	13.6	3	24.1	5
48	LA: St. John the Baptist Parish (22095)	2000-2008	386,023	0.5	2	73.7	224	3.8	12	16.7	52	15.2	50	13.1	42
48	LA: St. John the Baptist Parish (22095)	2000	43,151	0	0	80.6	26	4.1	1	22.4	7	22.6	8	14.7	5
48	LA: St. John the Baptist Parish (22095)	2001	43,575	0	0	73.2	23	0	0	16.6	6	19.4	7	15.6	5
48	LA: St. John the Baptist Parish (22095)	2002	43,955	0	0	79.2	27	2.5	1	21.7	8	13.8	5	16.5	6
48	LA: St. John the Baptist Parish (22095)	2003	44,452	2	1	90.6	30	8.3	3	16.4	5	21.2	8	10.2	4
48	LA: St. John the Baptist Parish (22095)	2004	45,046	0	0	99	34	13.2	5	9.9	4	6.1	3	15.7	6
48	LA: St. John the Baptist Parish (22095)	2005	22,799	0	0	52.9	9	4.3	1	24.4	4	7.8	2	17	3
48	LA: St. John the Baptist Parish (22095)	2006	47,697	0	0	52.9	21	0	0	18.7	8	18.6	7	12.1	5
48	LA: St. John the Baptist Parish (22095)	2007	47,910	1.8	1	85.1	35	3.3	1	11.9	4	7.9	4	2.3	1
48	LA: St. John the Baptist Parish (22095)	2008	47,438	0	0	44.4	19	0	0	13.9	6	15.5	6	16.2	7
49	LA: St. Landry Parish (22097)	2000-2008	757,603	0.4	3	84.5	685	3.1	24	16	127	10.6	85	11.2	89
49	LA: St. Landry Parish (22097)	2000	87,711	1.3	1	87.2	80	2.6	2	11.3	10	14.2	13	11.6	10
49	LA: St. Landry Parish (22097)	2001	87,605	0	0	85.1	77	2	2	20	18	16.5	15	17.2	15
49	LA: St. Landry Parish (22097)	2002	87,787	1.2	1	73.7	68	2.3	2	16.4	15	11.8	11	16.5	15
49	LA: St. Landry Parish (22097)	2003	87,935	1	1	91.9	86	2.1	2	12.4	11	14	13	8.5	8

49	LA: St. Landry Parish (22097)	2004	88,273	0	0	83	78	4.4	4	18.3	17	11.8	11	9	8
49	LA: St. Landry Parish (22097)	2005	44,297	0	0	92.6	44	2	1	28.4	13	2.1	1	10.9	5
49	LA: St. Landry Parish (22097)	2006	90,756	0	0	90.4	89	2.9	3	17.3	17	6.3	6	12.7	12
49	LA: St. Landry Parish (22097)	2007	91,291	0	0	83.8	84	6.6	6	8.1	8	5.1	5	9.9	10
49	LA: St. Landry Parish (22097)	2008	91,948	0	0	76.8	79	2	2	19.2	18	9.3	10	5.6	6
50	LA: St. Martin Parish (22099)	2000-2008	426,435	0.8	3	85.7	323	2.9	11	15.2	59	13.1	51	10.7	43
50	LA: St. Martin Parish (22099)	2000	48,654	0	0	80.8	33	2	1	15.9	7	19	8	11	5
50	LA: St. Martin Parish (22099)	2001	49,068	0	0	77.9	33	2.1	1	22.6	9	15	6	22.7	10
50	LA: St. Martin Parish (22099)	2002	49,340	0	0	113.8	48	0	0	10.4	5	8.8	4	8.2	4
50	LA: St. Martin Parish (22099)	2003	49,579	2.6	1	99	43	6.9	3	16.2	7	11.8	5	13.3	6
50	LA: St. Martin Parish (22099)	2004	49,872	0	0	84.1	36	0	0	15.4	7	10.6	5	1.8	1
50	LA: St. Martin Parish (22099)	2005	25,005	0	0	110.8	25	12.7	3	18.2	4	3.6	1	9.9	2
50	LA: St. Martin Parish (22099)	2006	51,180	1.9	1	76.7	36	4.5	2	14.7	7	8.4	4	10.8	5
50	LA: St. Martin Parish (22099)	2007	51,623	0	0	76.4	36	0	0	18.2	10	12.1	6	10	5
50	LA: St. Martin Parish (22099)	2008	52,114	1.6	1	69.1	33	2.7	1	5.9	3	24.6	12	10.2	5
51	LA: St. Mary Parish (22101)	2000-2008	440,585	0.6	3	83.4	374	4.5	19	24	106	11	48	12.8	55
51	LA: St. Mary Parish (22101)	2000	53,256	0	0	79.6	40	2	1	18.2	9	4.3	2	6.5	3

51	LA: St. Mary Parish (22101)	2001	52,528	1.9	1	102.9	53	6.1	3	23.4	12	12	6	8	4
51	LA: St. Mary Parish (22101)	2002	52,189	0	0	73.5	37	2.1	1	27.6	13	7.9	4	22	11
51	LA: St. Mary Parish (22101)	2003	51,898	0	0	74.7	39	9.7	5	26.7	14	22.1	11	20.1	10
51	LA: St. Mary Parish (22101)	2004	51,541	0	0	78.8	41	5.7	3	26.7	14	9.6	5	9.9	5
51	LA: St. Mary Parish (22101)	2005	25,436	0	0	67.6	18	0	0	15.3	4	8.3	2	16.6	4
51	LA: St. Mary Parish (22101)	2006	51,569	0	0	101.4	55	0	0	23.3	12	5.3	3	10.1	5
51	LA: St. Mary Parish (22101)	2007	51,163	1.5	1	82	45	10.4	5	23.3	13	17.4	9	20.7	11
51	LA: St. Mary Parish (22101)	2008	51,005	1.8	1	80.8	46	2.4	1	27	15	11	6	3.3	2
52	LA: St. Tammany Parish (22103)	2000-2008	1,793,647	0.6	13	79.9	1,344	3.8	66	24	405	15.1	260	10.2	184
52	LA: St. Tammany Parish (22103)	2000	192,179	1.5	3	80	134	3.1	6	16.2	29	15.4	28	12	23
52	LA: St. Tammany Parish (22103)	2001	195,718	0.4	1	96.8	167	3.3	6	26.3	46	12	22	10.1	18
52	LA: St. Tammany Parish (22103)	2002	200,873	0.4	1	65.5	119	1.1	2	20.7	37	13.7	26	12.4	23
52	LA: St. Tammany Parish (22103)	2003	205,883	1	2	77.6	147	3.8	8	21.2	40	10.8	21	13.8	25
52	LA: St. Tammany Parish (22103)	2004	211,529	0.4	1	77.6	149	3.9	8	25.6	50	13	27	4.6	9
52	LA: St. Tammany Parish (22103)	2005	108,704	0	0	95.3	96	5.3	5	29.1	30	17.8	17	14.9	16
52	LA: St. Tammany Parish (22103)	2006	223,062	0.8	2	83	181	3.8	9	30.3	66	14.2	32	9.4	22
52	LA: St. Tammany Parish (22103)	2007	226,315	0.4	1	79.1	179	4.9	10	24.8	56	17.4	38	8.8	24

52	LA: St. Tammany Parish (22103)	2008	229,384	0.9	2	73.6	172	5.1	12	22.7	51	20.7	49	8.9	24
53	LA: Tangipahoa Parish (22105)	2000-2008	912,196	1.1	10	80.4	675	3.1	27	23.7	200	11.5	95	11.3	95
53	LA: Tangipahoa Parish (22105)	2000	100,826	2.2	2	66.3	59	4.3	4	26	24	13.7	13	11.9	11
53	LA: Tangipahoa Parish (22105)	2001	101,614	0	0	86.2	77	2	2	18.4	17	10.5	9	15.7	14
53	LA: Tangipahoa Parish (22105)	2002	102,303	0.9	1	68.4	62	3.5	4	20.4	18	11.7	11	6.4	6
53	LA: Tangipahoa Parish (22105)	2003	103,360	0	0	69.1	64	0.9	1	26.6	26	11.7	10	15	14
53	LA: Tangipahoa Parish (22105)	2004	104,745	2.9	3	83	79	4.3	4	24.2	23	12.6	12	8.1	8
53	LA: Tangipahoa Parish (22105)	2005	53,111	0	0	109.7	53	5.4	3	35.8	17	13.1	7	12.5	6
53	LA: Tangipahoa Parish (22105)	2006	113,119	2.3	3	78.4	85	1.6	2	25.9	28	10.9	11	10.9	11
53	LA: Tangipahoa Parish (22105)	2007	115,701	0.7	1	89.1	98	2.7	3	23.6	27	12.1	13	11.7	14
53	LA: Tangipahoa Parish (22105)	2008	117,417	0	0	83.9	98	3.9	4	18.7	20	9.1	9	10.6	11
54	LA: Tensas Parish (22107)	2000-2008	51,970	0	0	92.5	57	0	0	13.8	7	11.9	7	9.7	6
54	LA: Tensas Parish (22107)	2000	6,575	0	0	103.6	8	0	0	10	1	0	0	15.1	1
54	LA: Tensas Parish (22107)	2001	6,462	0	0	66.6	5	0	0	30.9	2	0	0	13.4	1
54	LA: Tensas Parish (22107)	2002	6,336	0	0	127.4	9	0	0	13	1	0	0	11.7	1
54	LA: Tensas Parish (22107)	2003	6,162	0	0	52.6	4	0	0	23.5	1	30	2	0	0
54	LA: Tensas Parish (22107)	2004	6,030	0	0	57.7	4	0	0	22.9	1	12.1	1	16.6	1

54	LA: Tensas Parish (22107)	2005	2,978	0	0	143.8	5	0	0	0	0	58.3	2	0	0
54	LA: Tensas Parish (22107)	2006	5,978	0	0	112.6	8	0	0	14.6	1	0	0	16.5	1
54	LA: Tensas Parish (22107)	2007	5,778	0	0	99.8	7	0	0	0	0	16.4	1	0	0
54	LA: Tensas Parish (22107)	2008	5,671	0	0	110	7	0	0	0	0	15	1	10.9	1
55	LA: Terrebonne Parish (22109)	2000-2008	903,737	1	9	78.7	651	2.6	23	20.7	171	11.1	92	12.2	102
55	LA: Terrebonne Parish (22109)	2000	104,461	1	1	78.4	71	4.1	4	15.8	15	11.2	11	16.2	14
55	LA: Terrebonne Parish (22109)	2001	104,729	0	0	85.4	77	3.7	4	19.9	18	9.1	9	11.5	11
55	LA: Terrebonne Parish (22109)	2002	104,923	0	0	53.9	51	0.9	1	17.2	16	14	13	12.7	12
55	LA: Terrebonne Parish (22109)	2003	105,172	1.8	2	84.9	78	3.2	3	19.5	18	8.2	7	12.7	13
55	LA: Terrebonne Parish (22109)	2004	105,453	0	0	86.7	86	2.9	3	26.1	24	10.6	11	10.7	11
55	LA: Terrebonne Parish (22109)	2005	53,096	0	0	70.7	37	0	0	16.1	9	14.6	7	10.7	6
55	LA: Terrebonne Parish (22109)	2006	108,115	2.2	2	78.9	79	2.5	3	25.1	26	7.4	8	15	14
55	LA: Terrebonne Parish (22109)	2007	108,627	2.9	3	87.5	91	1.7	2	24.5	26	12.9	13	11.2	12
55	LA: Terrebonne Parish (22109)	2008	109,161	0.8	1	76.4	81	3	3	18.8	19	12.3	13	8.3	9
56	LA: Union Parish (22111)	2000-2008	193,252	0.5	1	78.9	186	3.2	7	15.7	36	7.4	17	11.8	26
56	LA: Union Parish (22111)	2000	22,777	0	0	105.4	29	4	1	10.6	3	4	1	7.2	2
56	LA: Union Parish (22111)	2001	22,804	0	0	80.8	22	0	0	15.7	4	15.3	4	7.9	2

56	LA: Union Parish (22111)	2002	22,642	0	0	80.8	21	4.8	1	7.7	2	11.6	3	3.8	1
56	LA: Union Parish (22111)	2003	22,756	0	0	75.7	20	0	0	21	5	3.8	1	0	0
56	LA: Union Parish (22111)	2004	22,664	0	0	84.9	23	3.6	1	14.3	4	4	1	8.1	2
56	LA: Union Parish (22111)	2005	11,367	0	0	92.8	13	0	0	21.4	3	0	0	8.6	1
56	LA: Union Parish (22111)	2006	22,870	0	0	73.4	21	0	0	23.8	7	7.5	2	10.5	3
56	LA: Union Parish (22111)	2007	22,708	3.9	1	60.9	18	10.5	3	13.3	3	7.6	2	21.4	6
56	LA: Union Parish (22111)	2008	22,664	0	0	63.6	19	4.3	1	15.9	5	10.4	3	36.7	9
57	LA: Vermilion Parish (22113)	2000-2008	465,135	0.4	2	84	408	3.9	18	20	96	14.6	71	12.5	60
57	LA: Vermilion Parish (22113)	2000	53,966	0	0	72.9	41	5.5	3	23.3	13	14.5	8	11.4	6
57	LA: Vermilion Parish (22113)	2001	53,952	0	0	81.4	46	9.4	5	20.8	12	16.8	10	10.7	6
57	LA: Vermilion Parish (22113)	2002	54,223	0	0	81.8	46	3.8	2	21.4	12	18	10	8.9	5
57	LA: Vermilion Parish (22113)	2003	54,161	0	0	93.8	52	0	0	23.9	13	10.9	6	12.6	7
57	LA: Vermilion Parish (22113)	2004	54,368	0	0	90.8	52	3.2	2	20.1	11	12.6	7	12.4	7
57	LA: Vermilion Parish (22113)	2005	27,455	3.4	1	84.3	24	0	0	6.9	2	9.8	3	18.2	5
57	LA: Vermilion Parish (22113)	2006	55,313	1.7	1	82.8	48	3.5	2	21.4	12	12.8	7	10.7	6
57	LA: Vermilion Parish (22113)	2007	55,629	0	0	77.1	46	5	3	15.3	9	11.9	7	17.1	10
57	LA: Vermilion Parish (22113)	2008	56,068	0	0	90.8	53	2.2	1	19.6	12	21.4	13	14.3	8

58	LA: Vernon Parish (22115)	2000-2008	423,276	1.3	5	92.7	298	4.3	16	16.5	54	11.7	39	10.3	35
58	LA: Vernon Parish (22115)	2000	52,522	5.2	2	89.1	31	4	2	9.6	4	2.4	1	19.1	7
58	LA: Vernon Parish (22115)	2001	52,233	2.6	1	82.2	29	3.7	1	15.3	6	4.7	2	7.5	3
58	LA: Vernon Parish (22115)	2002	51,533	0	0	97.2	37	3.8	2	14.8	5	8.6	3	8.5	3
58	LA: Vernon Parish (22115)	2003	51,143	0	0	102.6	37	7.8	3	20.9	8	26.1	10	9.2	4
58	LA: Vernon Parish (22115)	2004	50,219	0	0	72.9	27	2	1	19.7	8	29.5	11	7.4	3
58	LA: Vernon Parish (22115)	2005	25,131	6.9	2	56	11	0	0	4.2	1	9.5	2	0	0
58	LA: Vernon Parish (22115)	2006	48,467	0	0	85.5	33	6.6	3	23.9	9	8.4	4	17.2	7
58	LA: Vernon Parish (22115)	2007	47,171	0	0	97.2	40	3.8	2	17.1	7	8.8	3	7.3	3
58	LA: Vernon Parish (22115)	2008	44,857	0	0	129.4	53	4.9	2	14.5	6	7.6	3	12	5
59	LA: Washington Parish (22117)	2000-2008	375,462	1.5	6	95.3	404	3.1	12	26	106	16	66	15.2	63
59	LA: Washington Parish (22117)	2000	43,890	0	0	94.6	46	0	0	19.5	9	24.9	12	23.2	11
59	LA: Washington Parish (22117)	2001	43,776	0	0	114.3	56	6.5	3	23.3	11	19.2	9	12.7	6
59	LA: Washington Parish (22117)	2002	43,767	6.4	3	98.1	48	4.4	2	28.1	13	28.4	14	9	4
59	LA: Washington Parish (22117)	2003	43,691	0	0	86.5	42	0	0	21.8	10	10.5	5	23.5	11
59	LA: Washington Parish (22117)	2004	43,748	0	0	86.4	43	2.1	1	33.3	16	8.8	4	19.2	10
59	LA: Washington Parish (22117)	2005	21,960	0	0	94.7	24	4.3	1	21	5	15.1	4	19.9	5

59	LA: Washington Parish (22117)	2006	44,017	0	0	103.1	52	3.8	2	28.3	15	10.8	5	11.3	6
59	LA: Washington Parish (22117)	2007	45,059	4.5	2	91.3	47	0	0	29.1	13	13.8	7	7.8	4
59	LA: Washington Parish (22117)	2008	45,554	1.6	1	88.9	46	7.9	3	25.6	14	11.6	6	12.1	6
60	LA: Webster Parish (22119)	2000-2008	348,653	1.4	5	97.8	425	4	17	18	76	14.3	60	12.4	52
60	LA: Webster Parish (22119)	2000	41,709	2.7	1	99.1	50	0	0	21.5	10	20.4	10	11.4	5
60	LA: Webster Parish (22119)	2001	41,314	0	0	89	44	1.8	1	4.7	2	10.4	5	21.6	11
60	LA: Webster Parish (22119)	2002	41,243	0	0	107.5	53	1.9	1	14.9	8	14.1	7	13.7	7
60	LA: Webster Parish (22119)	2003	40,898	0	0	101.5	52	0	0	11.8	6	9.5	5	12.5	6
60	LA: Webster Parish (22119)	2004	40,844	0	0	87.9	46	8.4	4	18.2	9	29.5	14	14.7	7
60	LA: Webster Parish (22119)	2005	20,409	4.4	1	98.4	25	0	0	33.2	8	14.6	4	3.8	1
60	LA: Webster Parish (22119)	2006	40,869	2.4	1	94.4	49	6.8	3	17.8	9	7.6	4	9.9	5
60	LA: Webster Parish (22119)	2007	40,742	1.8	1	106.8	56	1.7	1	27.7	14	15.1	7	12.8	6
60	LA: Webster Parish (22119)	2008	40,625	2.5	1	94.6	50	13.4	7	18.6	10	8.5	4	7.4	4
61	LA: West Baton Rouge Parish (22121)	2000-2008	186,345	0	0	83.4	139	3.2	6	18.9	32	13.7	23	15	25
61	LA: West Baton Rouge Parish (22121)	2000	21,564	0	0	65.3	13	4.9	1	16.2	3	21	4	14.2	3
61	LA: West Baton Rouge Parish (22121)	2001	21,620	0	0	145.7	28	4.4	1	15.5	3	23.6	4	29.1	5
61	LA: West Baton Rouge Parish (22121)	2002	21,644	0	0	71.8	14	4.2	1	25.9	5	4.2	1	10.5	2

61	LA: West Baton Rouge Parish (22121)	2003	21,575	0	0	88.2	16	0	0	34.6	7	0	0	8	1
61	LA: West Baton Rouge Parish (22121)	2004	21,730	0	0	71.8	13	6	1	14.7	3	16.7	3	30.1	6
61	LA: West Baton Rouge Parish (22121)	2005	10,766	0	0	41.5	4	0	0	8.6	1	19.4	2	0	0
61	LA: West Baton Rouge Parish (22121)	2006	22,181	0	0	68.4	14	0	0	8.5	2	13.7	3	14.6	3
61	LA: West Baton Rouge Parish (22121)	2007	22,636	0	0	105.1	21	4.6	1	15.5	3	15.6	3	20.3	4
61	LA: West Baton Rouge Parish (22121)	2008	22,629	0	0	74.1	16	3.5	1	26.3	5	10.7	3	3.6	1
62	LA: West Carroll Parish (22123)	2000-2008	100,736	0	0	77.7	94	0.7	1	21.7	26	21.1	25	13.2	16
62	LA: West Carroll Parish (22123)	2000	12,283	0	0	41.4	6	0	0	17.2	3	22.1	3	15.6	2
62	LA: West Carroll Parish (22123)	2001	12,069	0	0	37.7	5	0	0	21.4	3	12.6	2	8.2	1
62	LA: West Carroll Parish (22123)	2002	12,076	0	0	76.5	11	6.5	1	15.2	2	12	2	7.4	1
62	LA: West Carroll Parish (22123)	2003	12,055	0	0	109.7	16	0	0	5.6	1	13.5	2	8.8	1
62	LA: West Carroll Parish (22123)	2004	11,875	0	0	154.7	21	0	0	54.3	8	13.6	2	24.5	4
62	LA: West Carroll Parish (22123)	2005	5,892	0	0	25.7	2	0	0	0	0	43.5	3	0	0
62	LA: West Carroll Parish (22123)	2006	11,635	0	0	40.7	6	0	0	6.1	1	12.8	2	13.9	2
62	LA: West Carroll Parish (22123)	2007	11,468	0	0	109.3	16	0	0	56.4	6	34.8	4	5.6	1
62	LA: West Carroll Parish (22123)	2008	11,383	0	0	75.2	11	0	0	11.8	2	36.3	5	26.1	4
63	LA: West Feliciana Parish (22125)	2000-2008	128,427	0	0	86.4	92	3.1	4	16.4	19	9.3	12	7.6	8

63	LA: West Feliciana Parish (22125)	2000	15,136	0	0	147.8	15	0	0	38.1	4	7.2	1	16	2
63	LA: West Feliciana Parish (22125)	2001	15,078	0	0	93.4	12	4.9	1	5.2	1	0	0	0	0
63	LA: West Feliciana Parish (22125)	2002	15,061	0	0	99.7	11	10.5	1	5.8	1	5.1	1	0	0
63	LA: West Feliciana Parish (22125)	2003	15,079	0	0	79.7	10	4.8	1	16.4	2	0	0	12.2	1
63	LA: West Feliciana Parish (22125)	2004	14,971	0	0	113.6	12	0	0	42.2	6	16.7	2	16.7	2
63	LA: West Feliciana Parish (22125)	2005	7,514	0	0	66.2	4	0	0	13.5	1	10.8	1	13.5	1
63	LA: West Feliciana Parish (22125)	2006	15,266	0	0	48.4	7	5.2	1	8.2	1	5.2	1	0	0
63	LA: West Feliciana Parish (22125)	2007	15,130	0	0	71.7	11	0	0	20	3	20	3	0	0
63	LA: West Feliciana Parish (22125)	2008	15,192	0	0	67.7	10	0	0	0	0	19.5	3	16.1	2
64	LA: Winn Parish (22127)	2000-2008	136,241	0.7	1	94	145	4.1	6	17.5	26	15.8	23	14.6	22
64	LA: Winn Parish (22127)	2000	16,830	0	0	104.3	19	0	0	23.2	4	22.4	4	5.3	1
64	LA: Winn Parish (22127)	2001	16,493	0	0	104.9	19	0	0	23.9	4	11.1	2	21.7	4
64	LA: Winn Parish (22127)	2002	16,427	0	0	84.2	15	0	0	28.9	5	29.9	5	17.3	3
64	LA: Winn Parish (22127)	2003	16,144	5.8	1	83.3	15	6.3	1	17.4	3	17.2	3	5.5	1
64	LA: Winn Parish (22127)	2004	15,883	0	0	71.7	13	5.1	1	10.3	2	12.4	2	17.6	3
64	LA: Winn Parish (22127)	2005	7,858	0	0	113.5	10	10	1	0	0	12.6	1	13.6	1
64	LA: Winn Parish (22127)	2006	15,680	0	0	64.7	12	14.2	2	6	1	12	2	4.8	1

64	LA: Winn Parish (22127)	2007	15,541	0	0	95.4	18	4.5	1	17.9	3	11.3	2	15.9	3
64	LA: Winn Parish (22127)	2008	15,385	0	0	136.4	24	0	0	21.8	4	12.2	2	26.9	5

Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) standard.

APPENDIX C: RAW RESULT TABLES FROM 5 AND 7 YEAR LAGGED DATA

Generalized Least Square Estimates for 5 Year Lagged Model of Nasopharynx Cancer
Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	4.45E-07	5.54E-07	0.8	0.422
Dioxin	0.0275343	0.0486701	0.57	0.572
Benzene	-2.28E-07	6.09E-07	-0.37	0.708
Formaldehyde	1.26E-07	5.70E-08	2.22	0.026
Census Constants				
Percentage of People with a College Education	0.0228517	0.0064753	3.53	0
Percent Black	-0.0840535	0.3113534	-0.27	0.787
Percent Unemployed	-0.4413433	0.4236163	-1.04	0.297
Percent of People in Poverty	-0.0028943	0.0108287	-0.27	0.789

Generalized Least Square Estimates for 5 Year Lagged Model of Lung and Bronchus
Cancer Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	0.0000103	7.35E-06	1.4	0.162
Dioxin	0.1896309	0.4449756	0.43	0.67
Benzene	-4.21E-06	6.77E-06	-0.62	0.534
Formaldehyde	-4.64E-07	7.79E-07	-0.6	0.551
Census Constants				
Percentage of People with a College Education	-0.7429135	0.1194293	-6.22	0.000
Percent Black	-13.70772	6.706888	-2.04	0.041
Percent Unemployed	-23.14883	29.1974	-0.79	0.428
Percent of People in Poverty	0.0853439	0.203799	0.42	0.675

Generalized Least Square Estimates for 5 Year Lagged Model of Soft Tissue Sarcoma
Cancer Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	2.25E-06	1.34E-06	1.68	0.093
Dioxin	-0.0572594	0.0724042	-0.79	0.429
Benzene	-3.61E-07	1.26E-06	-0.29	0.774
Formaldehyde	3.90E-08	9.64E-08	0.4	0.686
Census Constants				
Percentage of People with a College Education	0.0361827	0.0178917	2.02	0.043
Percent Black	0.2332219	1.067965	0.22	0.827
Percent Unemployed	-2.03559	2.509716	-0.81	0.417
Percent of People in Poverty	-0.008679	0.0356399	-0.24	0.808

Generalized Least Square Estimates for 5 Year Lagged Model of Non Hodgkin
Lymphoma Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	2.25E-06	3.15E-06	0.71	0.475
Dioxin	0.4212807	0.1780314	2.37	0.018
Benzene	3.20E-07	2.06E-06	0.16	0.876
Formaldehyde	8.51E-08	3.28E-07	0.26	0.795
Census Constants				
Percentage of People with a College Education	0.0765255	0.0480935	1.59	0.112
Percent Black	-9.611138	2.836214	-3.39	0.001
Percent Unemployed	1.52704	14.25383	0.11	0.915
Percent of People in Poverty	0.012253	0.0927225	0.13	0.895

Generalized Least Square Estimates for 7 Year Lagged Model of Non Hodgkin
Lymphoma Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	1.35E-06	2.54E-06	0.53	0.596
Dioxin	0.351771	0.1517617	2.32	0.02
Benzene	-3.14E-06	1.85E-06	-1.7	0.09
Formaldehyde	-1.12E-07	3.46E-07	-0.32	0.746
Census Constants				
Percentage of People with a College Education	0.0764293	0.0497979	1.53	0.125
Percent Black	-9.729685	2.921489	-3.33	0.001
Percent Unemployed	2.584286	17.66991	0.15	0.884
Percent of People in Poverty	-0.0191888	0.0975182	-0.2	0.844

Generalized Least Square Estimates for 7 Year Lagged Model of Lung and Bronchus
Cancer Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	6.07E-06	6.10E-06	0.99	0.32
Dioxin	-0.132704	0.4354454	-0.3	0.761
Benzene	-3.82E-06	6.79E-06	-0.56	0.574
Formaldehyde	-2.45E-07	8.30E-07	-0.3	0.768
Census Constants				
Percentage of People with a College Education	-0.7700611	0.1253118	-6.15	0.000
Percent Black	-16.32881	7.410113	-2.2	0.028
Percent Unemployed	16.64398	38.84625	0.43	0.668
Percent of People in Poverty	0.0299134	0.2252874	0.13	0.894

Generalized Least Square Estimates for 7 Year Lagged Model of
Leukemia in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	-5.71E-07	2.73E-06	-0.21	0.834
Dioxin	0.229158	0.1993168	1.15	0.25
Benzene	-1.75E-06	1.89E-06	-0.92	0.357
Formaldehyde	5.69E-07	2.73E-07	2.08	0.038
Census Constants				
Percentage of People with a College Education	-0.0164833	0.0487256	-0.34	0.735
Percent Black	-0.1573486	2.694056	-0.06	0.953
Percent Unemployed	6.789222	16.2647	0.42	0.676
Percent of People in Poverty	-0.0927557	0.0934123	-0.99	0.321

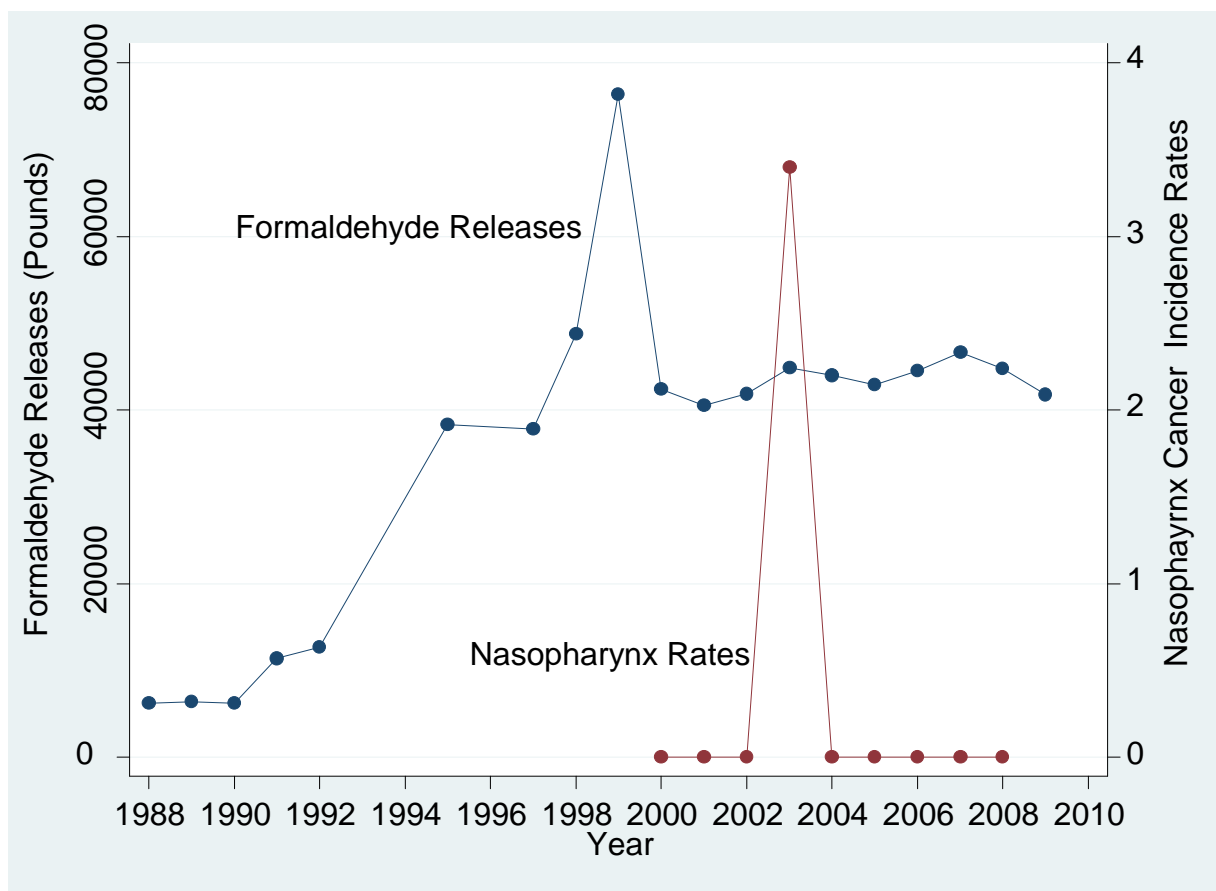
Generalized Least Square Estimates for 7 Year Lagged Model of
Rectal Cancer in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	-6.02E-07	2.42E-06	-0.25	0.803
Dioxin	-0.1700877	0.1360643	-1.25	0.211
Benzene	1.76E-06	2.27E-06	0.78	0.438
Formaldehyde	-4.85E-07	2.67E-07	-1.82	0.069
Census Constants				
Percentage of People with a College Education	-0.0632144	0.0417047	-1.52	0.13
Percent Black	1.719582	2.360094	0.73	0.466
Percent Unemployed	-9.588495	11.32654	-0.85	0.397
Percent of People in Poverty	0.0073036	0.0785318	0.09	0.926

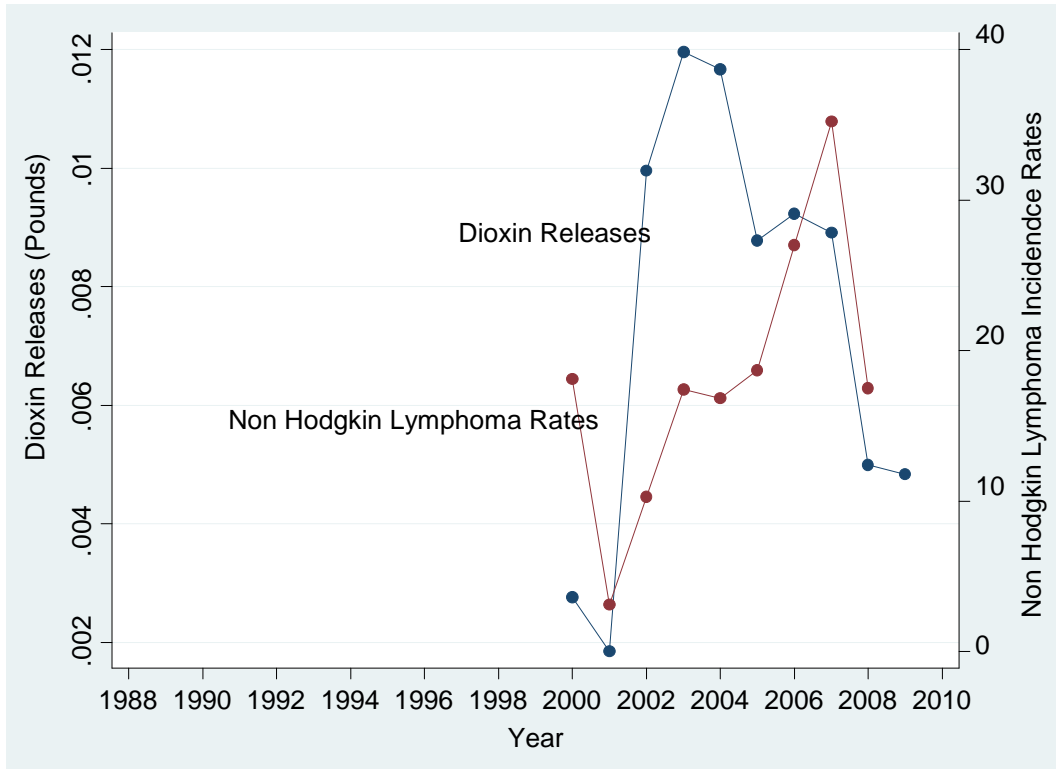
Generalized Least Square Estimates for 7 Year Lagged Model of Nasopharynx Cancer in Louisiana Parishes 2000-2008

	Regression Coefficient	Standard Error	Z Score	P
Chemical Releases				
Xylene	8.51E-07	4.54E-07	1.87	0.061
Dioxin	0.0573678	0.0443113	1.29	0.195
Benzene	-8.63E-07	5.62E-07	-1.54	0.125
Formaldehyde	1.08E-07	6.30E-08	1.72	0.085
Census Constants				
Percentage of People with a College Education	0.021053	0.0067153	3.14	0.002
Percent Black	-0.1675269	0.3378131	-0.5	0.62
Percent Unemployed	-0.7779095	0.8619656	-0.9	0.367
Percent of People in Poverty	0.0040426	0.0121842	0.33	0.74

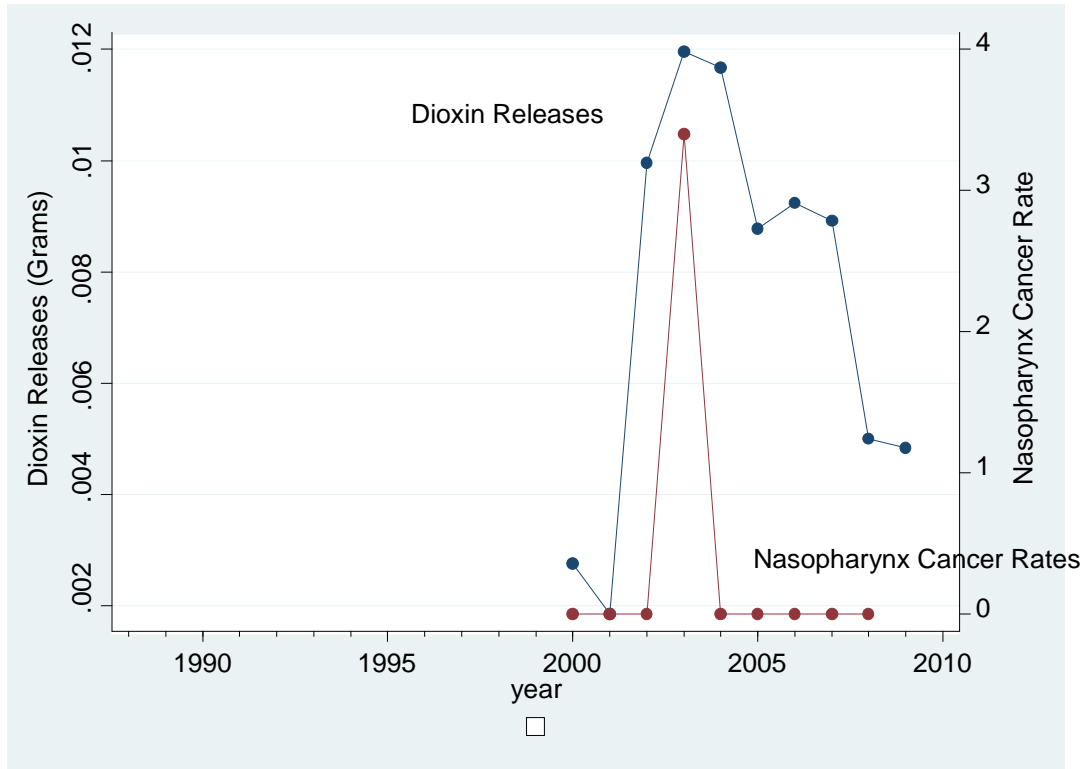
APPENDIX D: EAST BATON ROUGE PARISH CHEMICAL RELEASES GRAPHED WITH CANCER DATA



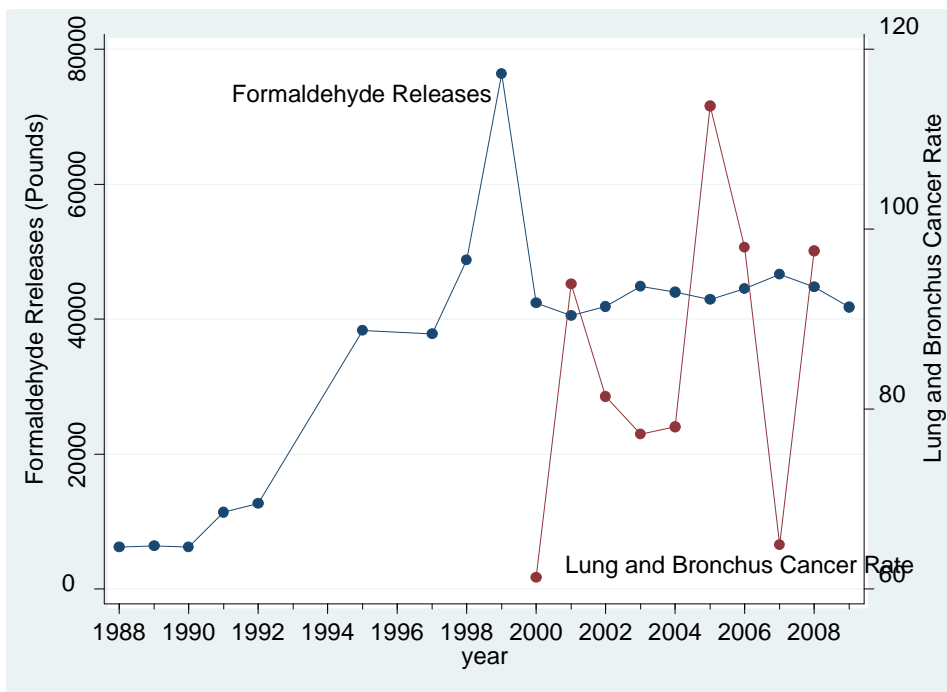
Formaldehyde Releases Graphed with Nasopharynx Cancer Rates in East Baton Rouge Parish From 1988 to 2009



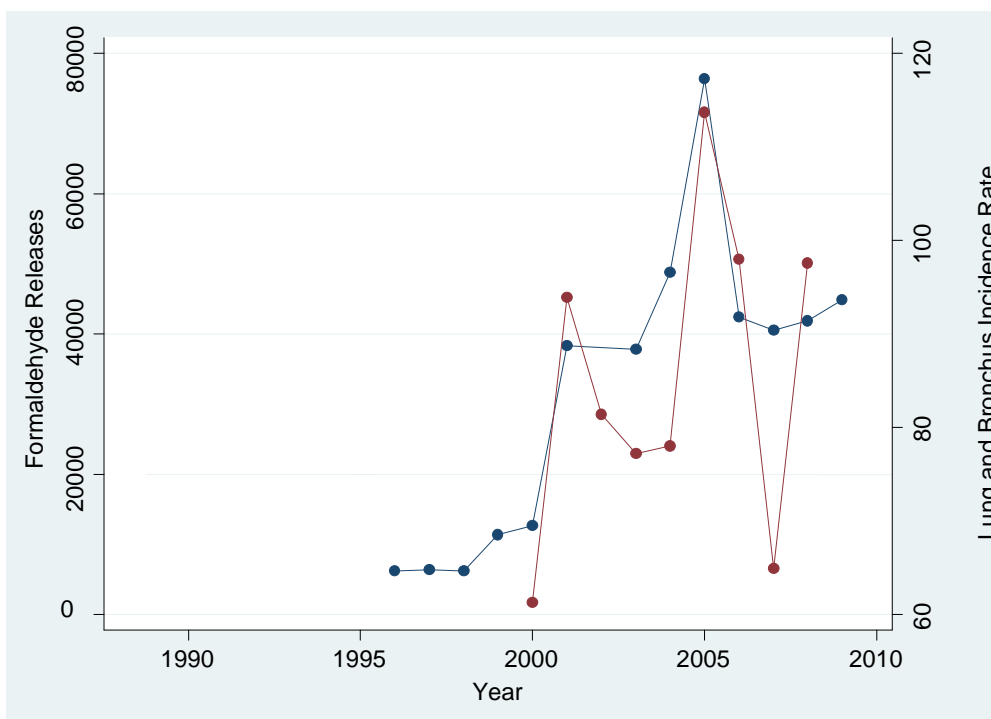
Dioxin Releases Graphed With Non Hodgkin Lymphoma Rates in East Baton Rouge Parish from 1988 to 2009



Dioxin Releases Graphed with Nasopharynx Cancer Rates in East Baton Rouge Parish from 1988 to 2009



Formaldehyde Releases Graphed with Lung and Bronchus Cancer Rates from 1988 to 2009



Formaldehyde Releases Graphed with Lung and bronchus Cancer Rates in East Baton Rouge from 1988 to 2009 with an 8 year time lag

VITA

India Teresa Anderson was born on April 9, 1987, in Baton Rouge, Louisiana. She is the oldest of the 3 Anderson girls. She grew up in Port Allen, Louisiana, and attended Holy Family School from Kindergarten to 8th grade. She began to show her enthusiasm for learning at an early age. While attending Holy Family, she was a cheerleader for one year and began running track at the age of 9. After a successful middle school season of track, she began to run summer track. She made it to the USATF Junior Olympics 7 years in a row in the long jump. She kept running and jumping throughout her high school career at Baton Rouge Magnet High School. Together they won 8 State Championships between 2001 and 2005 and in 2005 she captured the Louisiana State High School Athletic Association State Composite Record in Long Jump. She graduated in 2005 with performing arts honors and a 3.71 GPA. This landed her a full scholarship to Southern University and A&M College. There she majored in physics which opened up many doors for her in the world of science. She did an internship at Vanderbilt University in 2007. There she did research on the photometric variability of binary stars in Rosette nebula. In 2008 she received an internship at the Harvard-Smithsonian Center for Astrophysics where she did research on using ultraviolet spectroscopic data to test models of the solar corona. She presented this research at the American Astronomical Society Meeting in January of 2009. Before she graduated in May of 2009, she was awarded with the student researcher of the year award. She graduated *cum laude* and was awarded a 2 year fellowship from the Bridge to Doctorate Program to go to Louisiana State University to get a degree in a STEM field. She began her graduate school career in June of 2009 in physics, but after the fall semester she decided that she did not want to continue in physics and decided to pursue a degree in environmental science. She quickly became active in the department as a member of the CEGO seminar committee and ENVIRONmentors. While taking classes in the department, she began to realize her affinity to environmental health.