

**Common Sense Initiative, Automobile Manufacturing Sector**

*U.S. Automobile Assembly Plants and Their Communities:  
Environmental Economic, and Demographic Profile*

**Part III: Automobile/Light Duty Truck Assembly  
Plant-Community Profiles**

**16. General Motors  
Shreveport, LA**

**December 1997**

## **Contents and Guidelines for Use**

**Users of this profile should carefully review the description of methods, data limitations, and guidelines for use and interpretation of the data presented in Part I of the report.**

### **Contents:**

Plant Locations (National and Michigan maps)  
Plant Location, Database Identification Numbers, 1994 Production and Employment  
1991 and 1993 RCRA Biennial Report Summary  
1991-1994 TRI Releases and Transfers Summary  
1994 TRI Releases and Transfers by Chemical  
1991-1994 Volatile Organic Compound and Nitrogen Oxide Emissions  
1994 Summary of TRI Chemical Releases and Transfers from Sources within 3 Miles of Assembly Plant  
Air Quality Attainment Status for Criteria Pollutants (as of 1994)  
Community Demographic and Economic Characteristics  
Facility Location (map)  
Area Wide 1994 TRI Emission Profile (map)  
1994 TRI Releases and Transfers from Sources within 3 Miles of Assembly Plant, by Chemical  
Demographic Characteristics (maps)

### **General Guidelines for Use**

Efforts have been made to ensure that the data presented here are accurate. The Project Team could not independently verify data accuracy in all cases, however, and some errors may remain. The following is a partial list of factors that should be considered in using these profiles:

1. Current releases presented in this report represent only some of the contamination sources in a given area. Data on historical releases (prior to 1991) were not included, and releases from non-assembly plant emission sources were identified only through the Toxics Release Inventory (TRI). TRI data do not cover all sources of releases. Considering only TRI data for a given community may mis-state the relative contribution of plants and their neighboring TRI facilities to an area's total releases.
2. Care must be taken to distinguish true changes over time in environmental releases from apparent changes, due, for example, to changes in the scope of reporting requirements.
3. TRI data are often based on engineering estimates and are reported on an annual basis. Data on releases over shorter time frames are not available.
4. TRI, the Biennial Report and other databases do not include all substances and environmental releases of concern.

### **Notes on Comparisons Across Facilities**

1. The following factors can affect an assembly plant's environmental profile, among other things: the number of vehicles produced, plant age, process equipment age, and vehicle size and configuration.
2. Some plants are highly-integrated, performing some parts and all assembly steps in-house. Others obtain parts from other manufacturing facilities, or share assembly operations with another plant.
3. States differ in how they define hazardous waste and how they treat recycled wastes and small quantity generators. Therefore, data on quantities of BRS wastes generated may not be comparable for plants located in different states.
4. Area-wide averages for economic and demographic characteristics may be better or worse measures of the plant's immediate community, depending on the specific location of a plant within the reporting area.

**Plant-Community Profile:  
General Motors  
Shreveport LA**

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<b>LOCATION</b>	Address	7600 GM Blvd., Shreveport LA 71130	<b>DESCRIPTION</b>	Produced Chev S-10 and GMC Sonoma pickup in 1994.
	Lat/Long:	latitude (degrees N) 32 25' 40" longitude (degrees W) 93 55' 0"		
	County:	Caddo	<b>ID NUMBERS</b>	RCRA ID LAD089317341 AIRS ID ? NPDES ID LA0053694 TRI 71130TRCKN7600G
	Other counties within 3 miles of plant:	MSA: Shreveport-Bossier City LA none		
<b>OPERATIONS</b>		<b>Production</b>	<b>Employment</b>	
	Calendar Year: 1991	164,741		
	1992	166,999		
	1993	114,312	2,793	
	1994	206,400		

**PLANT ENVIRONMENTAL PROFILE**

**RCRA BIENNIAL REPORT**

<i>Waste Code(s)</i>	<i>Wastewater?</i>	<i>Physical Form</i>	<i>Source</i>	<i>Mgd. On/Off-Site</i>	<i>Management Method</i>	<i>Quantity Generated (tons)</i>	<i>Quantity Shipped (tons)</i>	<i>Quantity Mgd. On-Site (tons)</i>
<i>1991</i>								
D001 (ignit) F003 (solvents)	N	B209 org. liquids	A21 painting	Off	M043 incineration	14.6	14.6	0.0
D008 (lead)	N	B519 inorg. sludges	A08 physical scraping	Off	M132 landfill	19.0	19.0	0.0
F003 (nonhalog. solvents)	N	B209 org. liquids	A21 painting	Off	M051 energy recov.	107.3	107.3	0.0
F003 (nonhalog. solvents)	N	B211 org. liquids	A21 painting	Off	M021 solvents recov.	616.1	616.1	0.0
<b>TOTAL - 1991</b>						<b>757.0</b>	<b>757.0</b>	<b>0.0</b>
<i>1993</i>								
D001 (ignitable) F005 (solvents)	N	B210 org. liquid	A29 other surface prep	Off	M051 energy recov.	1.5	1.5	0.0
D001 (ignitable) F003 (solvents)	N	B409 org. solids	A21 painting	Off	M053 energy recov.	9.6	9.6	0.0
D008 (lead)	N	B519 inorg sludges	A08 physical scraping	Off	M132 landfill	16.4	16.4	0.0
F003 (non-halog solvents)	N	B209 org. liquid	A21 painting	Off	M051 energy recov.	170.0	170.0	0.0
F003 (non-halog solvents)	N	B211 org. liquid	A21 painting	Off	M021 solvents recov.	361.3	361.3	0.0
<b>TOTAL - 1993</b>						<b>558.8</b>	<b>558.8</b>	<b>0.0</b>

**TOXICS RELEASE INVENTORY**

<i>Total lbs of TRI chemicals:</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Energy Recovery</i>	<i>Off-Site Recycling</i>	<i>Off-Site Treatment</i>	<i>Off-Site Disposal</i>	<i>Total Transfers</i>
1991	37,139	1,450,650	1,489,720	305	32,700	659,050	2,268	2,420	696,748
1992	31,115	1,614,470	1,645,585	350	20,070	637,665	600	1,045	659,730
1993	9,485	888,740	898,225	1,045	114,355	492,500	1,775	7,390	617,065
1994	605	1,058,690	1,059,295	585	399,055	0	15	2,415	402,070
<b>Lbs. per vehicle produced:</b>									
1991	0.23	8.81	9.04	0.00	0.20	4.00	0.01	0.01	4.23
1992	0.19	9.67	9.85	0.00	0.12	3.82	0.00	0.01	3.95
1993	0.08	7.77	7.86	0.01	1.00	4.31	0.02	0.06	5.40
1994	0.00	5.13	5.13	0.00	1.93	0.00	0.00	0.01	1.95

Plant-Community Profile:  
General Motors  
Shreveport LA

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PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

<i>Chemical Name</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Energy Recovery</i>	<i>Off-Site Recycling</i>	<i>Off-Site Treatment</i>	<i>Off-Site Disposal</i>	<i>Total Transfers</i>
METHANOL	5	70,000	70,005	5	3,600	0	0	500	4,105
N-BUTYL ALCOHOL	5	186,000	186,005	5	24,000	0	0	50	24,055
BENZENE	20	160	180	0	5	0	0	0	5
METHYL ETHYL KETONE	5	11,000	11,005	0	200	0	0	0	200
1,2,4-TRIMETHYLBENZENE	5	75,000	75,005	5	7,000	0	0	5	7,010
ETHYLBENZENE	250	168,000	168,250	5	138,000	0	0	280	138,285
ETHYLENE GLYCOL	5	1,400	1,405	5	1,000	0	0	0	1,005
METHYL ISOBUTYL KETONE	5	15,000	15,005	5	250	0	0	255	510
XYLENE (MIXED ISOMERS)	300	446,000	446,300	5	221,000	0	15	400	221,420
GLYCOL ETHERS	5	86,000	86,005	250	4,000	0	0	155	4,405
ZINC COMPOUNDS	0	130	130	300	0	0	0	770	1,070
<b>TOTAL</b>	<b>605</b>	<b>1,058,690</b>	<b>1,059,295</b>	<b>585</b>	<b>399,055</b>	<b>0</b>	<b>15</b>	<b>2,415</b>	<b>402,070</b>

VOC/NOx Emissions:  
(lbs/year)

	<i>VOCs</i>	<i>NOx</i>
1990	2,394,000	130,000
1991	NA	NA
1992	2,358,000	82,000
1993	1,790,000	96,000
1994	2,238,000	200,000

**Plant-Community Profile:  
General Motors  
Shreveport LA**

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**COMMUNITY ENVIRONMENTAL PROFILE**

**TRI Chemical Releases & Transfers from Sources Within 3 Miles of Auto/LDT Plant (lbs.)**

<i>Facility (w. map #)</i>	<i>Air-Fugitive Emissions</i>	<i>Air-Stack Emissions</i>	<i>Total Releases</i>	<i>Discharge to POTW</i>	<i>Off-Site Transfers</i>	<i>Total Transfers</i>
1 GNB INC. ABD	255	250	635	9	10,019,000	10,019,009
2 GE COMMERCIAL TRANSFORMER	18	28,943	29,030	72	269,469	269,541
<b>Total</b>	<b>273</b>	<b>29,193</b>	<b>29,665</b>	<b>81</b>	<b>10,288,469</b>	<b>10,288,550</b>

**Air Quality Attainment Status  
(as of 1994)\***

ozone - attainment or unclassifiable  
carbon monoxide - attainment or unclassifiable  
particulates - unclassifiable  
lead - unclassifiable  
NO2 - cannot be classified or better than national standards  
SO2 - attainment

\* no changes in designations occurred between 1994 and 1996

**Plant-Community Profile:  
General Motors  
Shreveport LA**

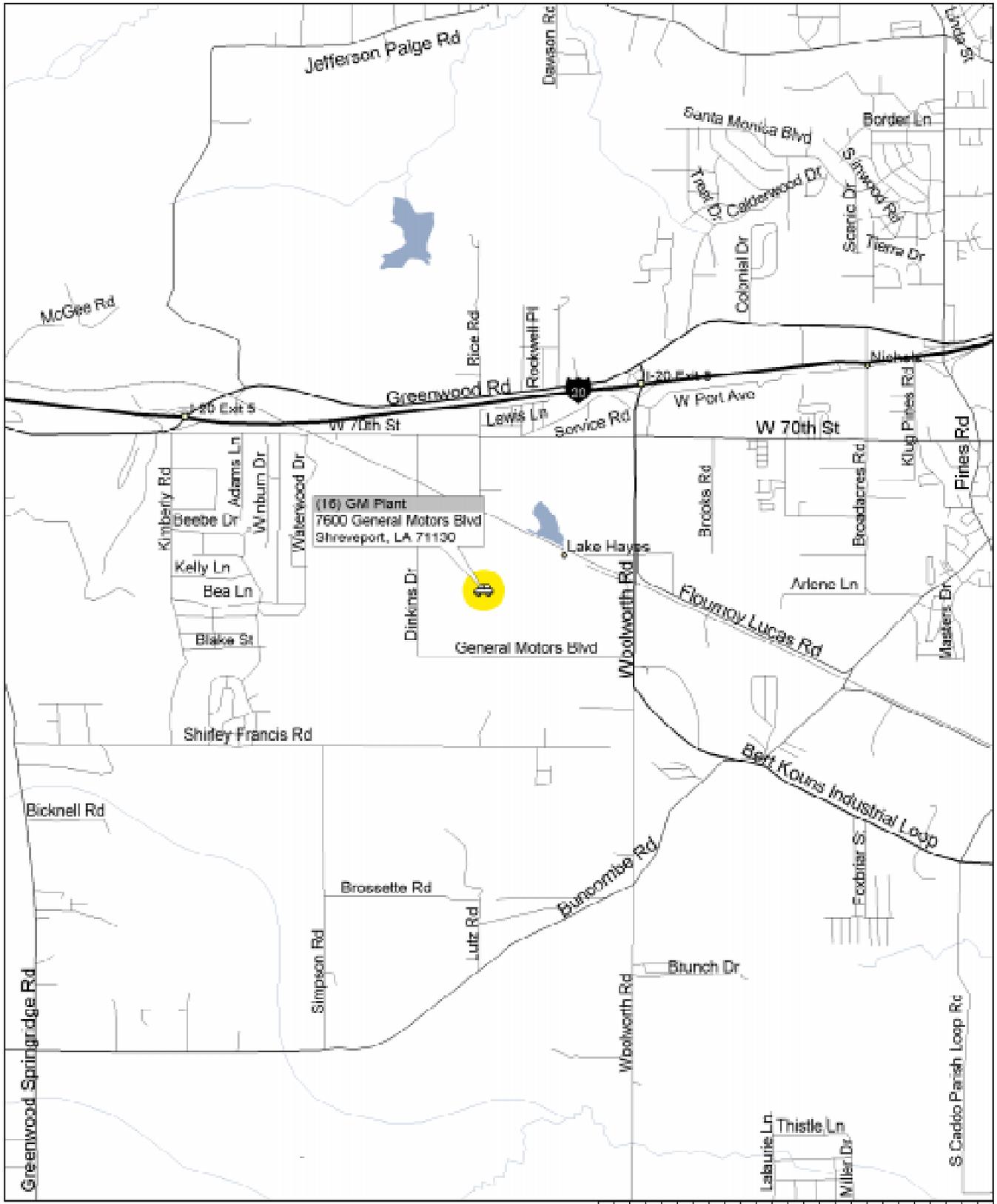
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**COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS**

	<i>Census Block</i>	<i>0-1 Mile</i>	<i>0-3 Miles</i>	<i>1-3 Miles</i>	<i>3-5 Miles</i>	<i>County</i>	<i>State</i>	<i>U.S.</i>
Total Population (1994)	NA	NA	NA	NA	NA	246,777	4,314,974	260,340,990
Total Population (1990)	2,235	363	7,319	6,956	12,777	248,253	4,219,973	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	-1	2	5
Total Area (sq. mi.) (1990)	31.0	3.1	28.2	25.1	50.2	882.1	43,566.1	3,536,278.1
Population/sq. mi. (land area) (1990)	72	116	260	278	255	281	97	70
Median Household Income (1994)						NA	25,676	32,264
Median Household Income (1989)						22,395	21,949	30,056
% Change 1979-1989 (constant \$)						-13	-14	7
% Change 1989-1994 (constant \$)						NA	17	7
Per Capita Personal Income (1993)						18,775	16,612	20,800
Per Capita Personal Income (1989)						14,759	13,254	17,690
% Change 1989-1993 (current \$)						27	25	18
Minority Percentage (1990)	31	31	26	26	28	40	32	20
Pct. of Households Below Poverty Level (1989)	22	22	15	14	14	25	19	20
Pct. Not Completing High School (1990)	20	26	16	16	18	26	30	25
Total Employment (1994) (civilian nonfarm)						115,473	1,939,000	131,056,000
Unemployment Rate (1994)						7	8	6
Manufacturing Employment (1993)						15,244	180,903	18,183,381
Mfgr. as % Total Employment (1993)						15	13	19
Manufacturing Employment (1992)						NA	179,000	18,253,000
Production Workers (1992)						NA	126,000	11,654,000
% Change in Mfgr. Employment 1987-1992						NA	11	-4
Assembly Plant as % Total Mfgr. Workers						18		

Data sources used were not always complete or current.  
Attempts have been made to verify data, but errors may still exist.

# Shreveport, LA, GM Plant



Microsoft MapData  
**Streets98**

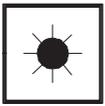
GENERAL MOTORS CORP  
7600 GM BLVD  
SHREVEPORT LA  
Tri Number: 71130TRCKN7600G

Map #	SIC	Name	Address	City	State
0	3713	TRUCK & BUS MFG. SHREVEPORT ASSEMBLY PLANT	7600 GM BLVD. 7600 GENERAL MOTORS BLVD.	SHREVEPORT	LA
1	3691	GNB INC. ABD	6901 WESTPORT AVE.	SHREVEPORT	LA
2	3612	GE COMMERCIAL TRANSFORMER	7000 BERT KOUNS INDUSTRIAL LOOP	SHREVEPORT	LA

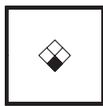
# AREA WIDE 1994 TRI EMISSION PROFILE

GENERAL MOTORS CORP  
CADDO COUNTY, Louisiana

Latitude: 32 25 40  
Longitude: 93 55 0



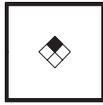
Map Key:  
Auto  
Plant  
Truck



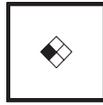
Air  
Release



Land  
Release

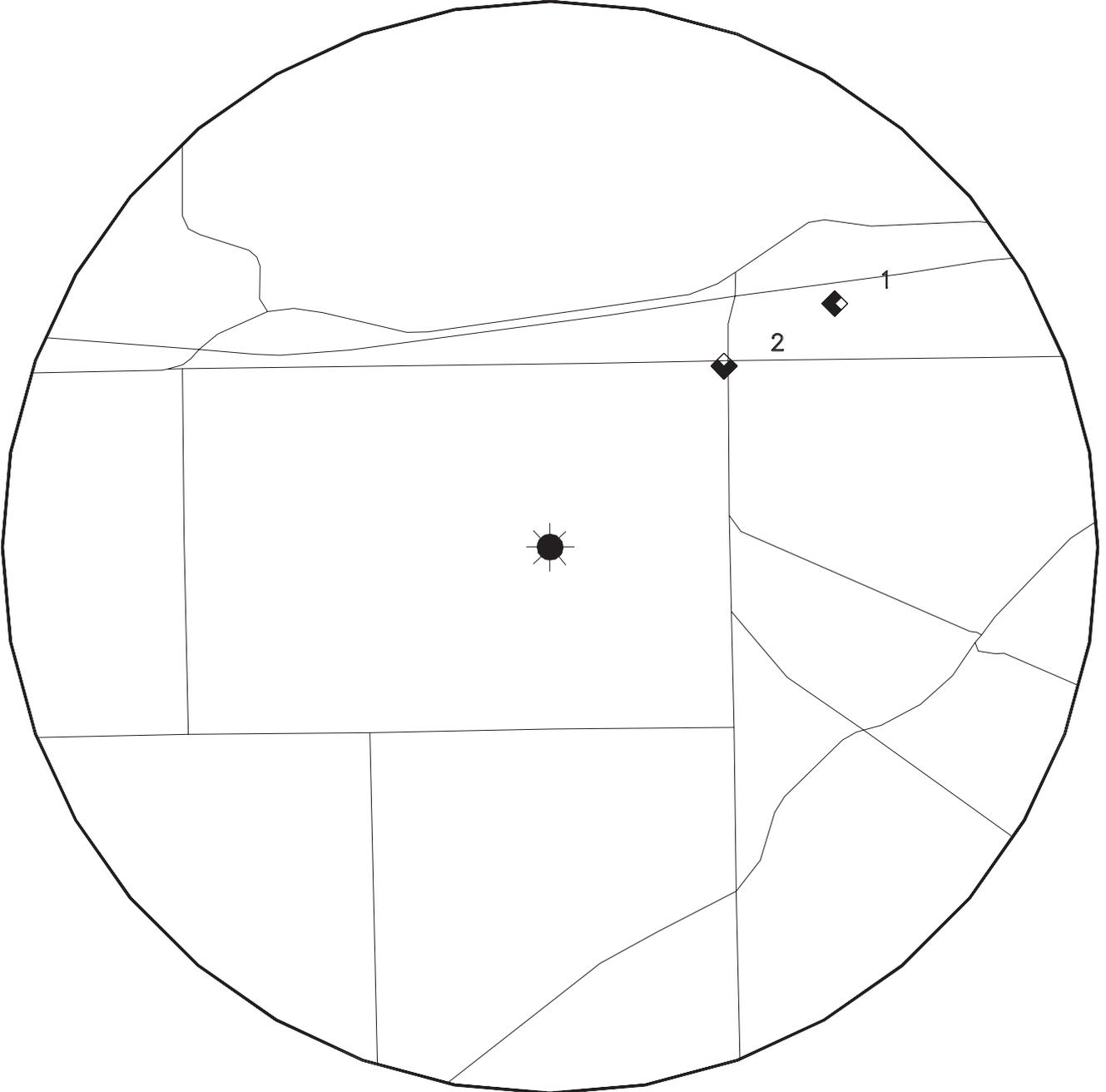


Water  
Release



Transfer  
location  
To offsite

3 Mile Buffer



Number without a Symbol denotes no reported emissions over 0.5 pounds per year

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF  
 GENERAL MOTORS CORP TRI NO: 71130TRCKN7600G

Chemical Name	Air Fugitive (Non-Point Source) Emissions	Air Stack (Point Source) Emissions	Discharge to Surface Water	On-Site Land Disposal	TOTAL RELEASES	Discharge to POTW	Transfer	TOTAL TRANSFERS	
TRUCK & BUS MFG. SHREVEPORT ASSEMBLY PLANT									
			SIC DESCRIPTION: TRUCK & BUS BODIES					MAP LOCATION NO: 0	
			SIC CODE: 3713						
7600 GM BLVD. 7600 GENERAL MOTORS BLVD. SHREVEPORT LA 71130									
METHANOL	5	70,000	0	0	70,005	5	4,100	4,105	
N-BUTYL ALCOHOL	5	186,000	0	0	186,005	5	24,050	24,055	
BENZENE	20	160	0	0	180	0	5	5	
METHYL ETHYL KETONE	5	11,000	0	0	11,005	0	200	200	
1,2,4-TRIMETHYLBENZENE	5	75,000	0	0	75,005	5	7,005	7,010	
ETHYLBENZENE	250	168,000	0	0	168,250	5	138,280	138,285	
ETHYLENE GLYCOL	5	1,400	0	0	1,405	5	1,000	1,005	
METHYL ISOBUTYL KETONE	5	15,000	0	0	15,005	5	505	510	
XYLENE (MIXED ISOMERS)	300	446,000	0	0	446,300	5	221,415	221,420	
GLYCOL ETHERS	5	86,000	0	0	86,005	250	4,155	4,405	
ZINC COMPOUNDS	0	130	0	0	130	300	770	1,070	
	SUBTOTALS	605	1,058,690	0	0	1,059,295	585	401,485	402,070
GNB INC. ABD									
			SIC DESCRIPTION: STORAGE BATTERIES					MAP LOCATION NO: 1	
			SIC CODE: 3691						
6901 WESTPORT AVE. SHREVEPORT LA 71129									
ANTIMONY	5	0	0	0	5	0	19,000	19,000	
LEAD COMPOUNDS	250	250	130	0	630	9	10,000,000	10,000,009	
	SUBTOTALS	255	250	130	0	635	9	10,019,000	10,019,009
GE COMMERCIAL TRANSFORMER									
			SIC DESCRIPTION: TRANSFORMERS					MAP LOCATION NO: 2	
			SIC CODE: 3612						
7000 BERT KOUNS INDUSTRIAL LOOP SHREVEPORT LA 71129 3008									
1,2,4-TRIMETHYLBENZENE	0	7,381	0	0	7,381	0	90	90	
PHENOL	18	2,973	0	0	2,991	0	40	40	
CHROMIUM COMPOUNDS	0	0	0	0	0	30	18,437	18,467	
COPPER COMPOUNDS	0	1	0	69	70	12	237,074	237,086	
GLYCOL ETHERS	0	18,588	0	0	18,588	0	0	0	
NICKEL COMPOUNDS	0	0	0	0	0	30	13,828	13,858	
	SUBTOTALS	18	28,943	0	69	29,030	72	269,469	269,541

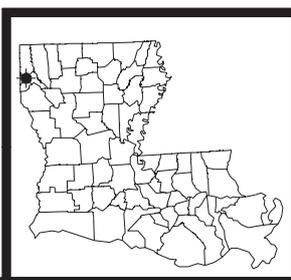
# General Motors Shreveport Caddo County, Louisiana

Latitude: 32 25 40 N  
Longitude: 93 55 0 W

- MAP KEY:**
- County Boundaries
  - Inter State Highway
  - US Highway
  - Rail Road
  - One Mile
  - Three Miles
  - Five Miles

- POPULATION DENSITY / SQ. MILE**
- Greater than 10000
  - 1000 - 10000
  - 100 - 1000
  - 10-100
  - 1-10

- Minority, poverty, and High School Incomplete percentages**
- Greater than 50
  - 40 - 50
  - 30 - 40
  - 20 - 30
  - 10 - 20
  - 0 - 10



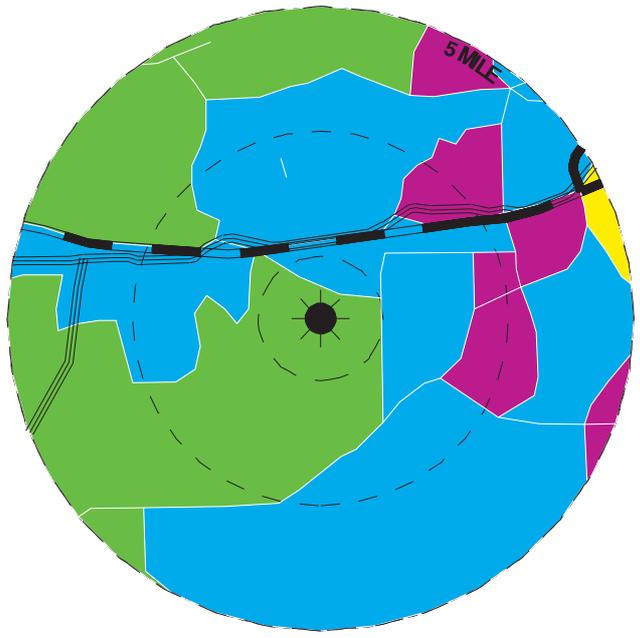
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density People Per Sq. Mile



Minority Population Percent of Total Population



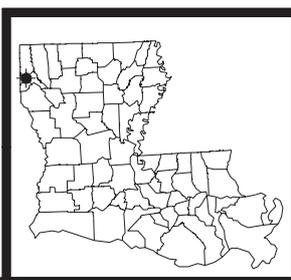
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Latitude: 32 25 40 N  
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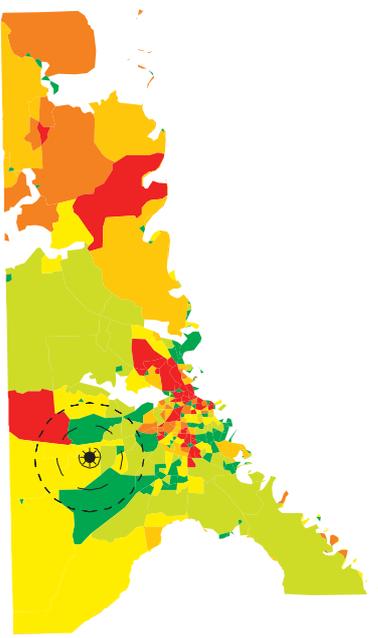
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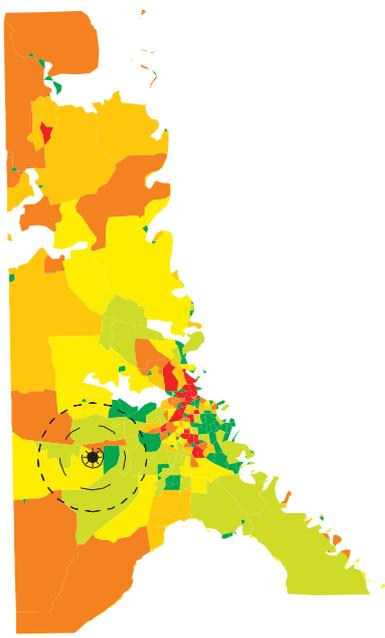
- Minority, poverty, and High School Incomplete percentages**
- Greater than 50
  - 40 - 50
  - 30 - 40
  - 20 - 30
  - 10 - 20
  - 0 - 10



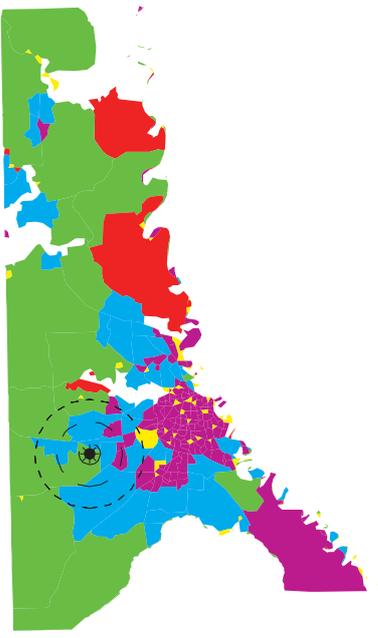
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density People Per Sq. Mile



Minority Population Percent of Total Population

