

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**

**56. General Motors
Janesville, WI**

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
Janesville WI**

12/2/97

LOCATION	Address	1000 Industrial Ave., Janesville WI 53545		DESCRIPTION	Produced GMC C/K pickup, Kodiak, Yukon, Jimmy, Suburban, Chev Kodiak, Tahoe and Isuzu W-4 in 1994.	
	Lat/Long:	latitude (degrees N)	42 39' 55"		longitude (degrees W)	89 1' 9"
OPERATIONS	County:	Rock	MSA: Janesville-Beloit WI	ID NUMBERS	RCRA ID	WID059980045
	Other counties within 3 miles of plant:	none			AIRS ID	AFS5510500004
					NPDES ID	WI0000194
					TRI	53545GMBC 1000I
	Production	Employment				
	Calendar Year: 1991	35,261				
	1992	177,022				
	1993	219,578				
	1994	237,925	4,982			

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 (ignitable)	N	B203 org. liquids	A21 painting	Off	M061 fuel blending	1.4	1.4	0.0
D001 (ignitable)	N	B209 org. liquids	A21 painting	Off	M061 fuel blending	6.1	6.1	0.0
D001 (ignitable)	N	B210 org. liquids	A58 1x/intermittent	Off	M061 fuel blending	4.5	4.5	0.0
D001 (ignitable)	N	B409 org. solids	A09 clean out equip	Off	M061 fuel blending	8.9	8.9	0.0
D002 (corrosive)	Y	B110 inorg. liquids	A58 1x/intermittent	Off	M111 stabilization	0.7	0.7	0.0
D008 (lead)	N	B319 inorg. solids	A29 other surface prep	Off	M111 stabilization	33.3	33.3	0.0
F002 (halog. solvents)	N	B202 org. liquids	A09 clean out equip	Off	M021 solvents recov.	15.8	15.8	0.0
F002 (halog. solvents)	N	B206 org. liquids	A69 remediation	Off	M061 fuel blending	65.2	65.2	0.0
F003 (nonhalog. solvents)	N	B203 org. liquids	A09 clean out equip	Off	M021 solvents recov.	20.0	20.0	0.0
F003 (nonhalog. solvents)	N	B204 org. liquids	A19 other clean/degr.	Off	M061 fuel blending	10.7	10.7	0.0
F003 (nonhalog. solvents)	N	B209 org. liquids	A21 painting	Off	M061 fuel blending	13.5	13.5	0.0
F003 (nonhalog. solvents)	N	B211 org. liquids	A21 painting	Off	M061 fuel blending	151.2	151.2	0.0
F003 (nonhalog. solvents)	N	B211 org. liquids	A21 painting	Off	M061 fuel blending	258.2	258.2	0.0
F003 (nonhalog. solvents)	N	B211 org. liquids	A21 painting	Off	M061 fuel blending	3.2	3.2	0.0
F003 (nonhalog. solvents)	N	B301 inorg. solids	A95 other processes	Off	M043 incineration	0.3	0.3	0.0
F005 (nonhalog. solvents)	N	B203 org. liquids	A21 painting	Off	M061 fuel blending	1.8	1.8	0.0
F005 (nonhalog. solvents)	N	B211 org. liquids	A21 painting	Off	M061 fuel blending	26.9	26.9	0.0
U151	N	B119 inorg. liquids	A56 1x/intermittent	Off	M019 metals recov.	2.4	2.4	0.0
TOTAL - 1991						624.1	624.1	0.0

**Plant-Community Profile:
General Motors
Janesville WI**

12/2/97

PLANT ENVIRONMENTAL PROFILE (continued)

RCRA BIENNIAL REPORT

<i>Waste Code(s)</i> <i>1993</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>
D001 (ignitable)	N	B206 org. liquid	A69 remediation	Off	M061 fuel blending	2.3	2.3	0.0
D006 (cadmium)	N	B309 inorg. solids	A55 1x/intermittent	Off	M011 metals recov.	0.4	0.4	0.0
D008 (lead)	N	B319 inorg. solids	A29 other surface prep	Off	M111 stabilization	24.0	24.0	0.0
D008 (lead)	N	B319 inorg. solids	A38 tank sludge remov.	Off	M111 stabilization	4,190.1	4,190.1	0.0
F003 (non-halog solvents)	N	B204 org. liquid	A19 other clean/degr.	Off	M061 fuel blending	17.8	17.8	0.0
F003 (non-halog solvents)	N	B209 org. liquid	A21 painting	Off	M061 fuel blending	9.1	9.1	0.0
F003 (non-halog solvents)	N	B209 org. liquid	A21 painting	Off	M061 fuel blending	4.4	4.4	0.0
F003 (non-halog solvents)	N	B211org. liquid	A21 painting	Off	M021 solvents recov.	258.6	258.6	0.0
F003 (non-halog solvents)	N	B211org. liquid	A21 painting	Off	M021 solvents recov.	729.5	729.5	0.0
F003 (non-halog solvents)	N	B211org. liquid	A21 painting	Off	M061 fuel blending	19.8	19.8	0.0
F003 (non-halog solvents)	N	B211org. liquid	A21 painting	Off	M061 fuel blending	1.4	1.4	0.0
F005 (nonhalog solvents)	N	B210 org. liquid	A58 1x/intermittent	Off	M061 fuel blending	1.1	1.1	0.0
F005 (nonhalog solvents)	N	B301 inorg. solids	A95 other processes	Off	M061 fuel blending	0.8	0.8	0.0
TOTAL - 1993						5,259.3	5,259.3	0.0

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	69,462	181,813	251,345	6,520	0	0	770,696	6,700	783,916
1992	274,716	524,023	798,739	13,881	0	1,288,916	134	17,660	1,320,591
1993	268,920	773,900	1,042,839	7,934	0	1,553,110	0	19,482	1,580,526
1994	155,397	589,100	744,497	11,320	0	1,355,241	0	133,380	1,499,941
Lbs. per vehicle produced:									
1991	1.97	5.16	7.13	0.18	0.00	0.00	21.86	0.19	22.23
1992	1.55	2.96	4.51	0.08	0.00	7.28	0.00	0.10	7.46
1993	1.22	3.52	4.75	0.04	0.00	7.07	0.00	0.09	7.20
1994	0.65	2.48	3.13	0.05	0.00	5.70	0.00	0.56	6.30

**Plant-Community Profile:
General Motors
Janesville WI**

12/2/97

PLANT ENVIRONMENTAL PROFILE (continued)

1994 TRI Emissions/Releases by Chemical (lbs.)

Chemical Name	Air-Fugitive Emissions	Air-Stack Emissions	Total Releases	Discharge to POTW	Off-Site Energy Recovery	Off-Site Recycling	Off-Site Treatment	Off-Site Disposal	Total Transfers
METHANOL	19,000	44,000	63,000	4,400	0	23,400	0	0	27,800
N-BUTYL ALCOHOL	4,700	35,000	39,700	110	0	2,510	0	110	2,730
BENZENE	35	0	35	0	0	69	0	0	69
1,2,4-TRIMETHYLBENZENE	68	0	68	0	0	137	0	0	137
ETHYLBENZENE	500	490	990	0	0	8,900	0	0	8,900
ETHYLENE GLYCOL	490	610	1,100	3,900	0	1,510	0	54,000	59,410
METHYL ISOBUTYL KETONE	77,000	200,000	277,000	0	0	1,050,000	0	0	1,050,000
TOLUENE	8,500	35,000	43,500	0	0	38,600	0	0	38,600
XYLENE (MIXED ISOMERS)	31,000	160,000	191,000	0	0	222,000	0	110	222,110
METHYL TERT-BUTYL ETHER	50	0	50	0	0	315	0	0	315
HYDROCHLORIC ACID	0	25,000	25,000	0	0	0	0	0	0
GLYCOL ETHERS	14,000	89,000	103,000	340	0	7,800	0	750	8,890
LEAD COMPOUNDS	37	0	37	450	0	0	0	66,350	66,800
MANGANESE COMPOUNDS	0	0	0	1,200	0	0	0	1,400	2,600
NICKEL COMPOUNDS	0	0	0	480	0	0	0	860	1,340
ZINC COMPOUNDS	17	0	17	440	0	0	0	9,800	10,240
TOTAL	155,397	589,100	744,497	11,320	0	1,355,241	0	133,380	1,499,941

**VOC/NOx Emissions:
(lbs/year)**

	VOCs	NOx
1990	NA	NA
1991	NA	254,800
1992	1,400,000	320,400
1993	1,737,000	289,600
1994	2,570,400	271,800

**Plant-Community Profile:
General Motors
Janesville WI**

12/2/97

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 SCHLUETER CO.	0	0	0	0	0	0
2 ALLIANT TECHSYSTEMS ACCUDYNE	0	0	0	0	0	0
3 SSI TECH. INC.	0	0	0	0	0	0
4 AMERICAN FARM IMPLEMENT SPECII	0	0	0	0	0	0
5 FREEDOM PLASTICS INC.	1,455	34,877	36,332	0	0	0
6 ALLIANT TECHSYSTEMS ACCUDYNE	6,196	0	6,196	0	1,125	1,125
7 KARLSHAMNS USA INC. KARLSHAMN	8,405	9,150	17,555	15	0	15
9 RIVERSIDE PLATING CO. INC.	0	0	0	0	0	0
10 DEVERE CHEMICAL CO. INC.	500	0	500	0	0	0
11 WITCO CORP. SHEREX CHEMICAL CO	12,531	26,923	39,454	2,681	592	3,273
12 QUALITY WOOD TREATING CO. INC.	0	1	1	0	735	735
Total	29,087	70,951	100,038	2,696	2,452	5,148

**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
Janesville WI**

12/2/97

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	145,958	5,081,711	260,340,990
Total Population (1990)	0	5,044	42,571	37,527	35,872	139,510	4,891,769	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	5	4	5
Total Area (sq. mi.) (1990)	0	3.1	28.2	25.1	50.2	720.5	54,313.7	3,536,278.1
Population/sq. mi. (land area) (1990)	0	2,411	1,656	1,589	742	194	90	70
Median Household Income (1994)						NA	35,388	32,264
Median Household Income (1989)						30,632	29,442	30,056
% Change 1979-1989 (constant \$)						-5	-1	7
% Change 1989-1994 (constant \$)						NA	20	7
Per Capita Personal Income (1993)						19,233	19,806	20,800
Per Capita Personal Income (1989)						15,809	16,438	17,690
% Change 1989-1993 (current \$)						22	20	18
Minority Percentage (1990)	0	1	1	1	0	6	7	20
Pct. of Households Below Poverty Level (1989)	0	16	9	8	14	24	27	20
Pct. Not Completing High School (1990)	0	21	17	16	19	21	20	25
Total Employment (1994) (civilian nonfarm)						75,770	2,795,000	131,056,000
Unemployment Rate (1994)						5	5	6
Manufacturing Employment (1993)						18,187	549,049	18,183,381
Mfgr. as % Total Employment (1993)						34	24	19
Manufacturing Employment (1992)						18,200	546,000	18,253,000
Production Workers (1992)						13,200	369,000	11,654,000
% Change in Mfgr. Employment 1987-1992						4	6	-4
Assembly Plant as % Total Mfgr. Workers						27		

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

GENERAL MOTORS CORP
1000 INDUSTRIAL AVE
JANESVILLE WI
Tri Number: 53545GMBC 1000I

Map #	SIC	Name	Address	City	State
0	3711	GMC NAO TRUCK PLATFORM JAMESVILLE	1000 INDUSTRIAL AVE.	JANESVILLE	WI
1	3551	SCHLUETER CO.	112 E. CENTERWAY	JANESVILLE	WI
2	3483	ALLIANT TECHSYSTEMS ACCUDYNE OPS.	340 N. FRANKLIN ST.	JANESVILLE	WI
3	3499	SSI TECH. INC.	3330 PALMER DR. P.O. BOX 5002	JANESVILLE	WI
4	3499	AMERICAN FARM IMPLEMENT SPECINLTY CO.	122 S. RIVER ST.	JANESVILLE	WI
5	3089	FREEDOM PLASTICS INC.	215 S. ARCH ST.	JANESVILLE	WI
6	3483	ALLIANT TECHSYSTEMS ACCUDYNE OPS.	101 ROCKPORT RD.	JANESVILLE	WI
7	2843	KARLSHAMNS USA INC. KARLSHAMNS USA	1530 S. JACKSON ST.	JANESVILLE	WI
9	3471	RIVERSIDE PLATING CO. INC.	1623 BELOIT AVE.	JANESVILLE	WI
10	2842	DEVERE CHEMICAL CO. INC.	1923 BELOIT AVE. P. O. BOX 8444	JANESVILLE	WI
11	2843	WITCO CORP. SHEREX CHEMICAL CO. INC.	2001 AFTON RD.	JANESVILLE	WI
12	2491	QUALITY WOOD TREATING CO. INC.	305 BURBANK	JANESVILLE	WI

AREA WIDE 1994 TRI EMISSION PROFILE

GENERAL MOTORS CORP
ROCK COUNTY, Wisconsin

Latitude: 42 39 55
Longitude: 89 1 9



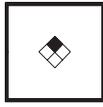
Map Key:
Auto
Plant
Truck



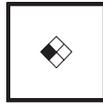
Air
Release



Land
Release

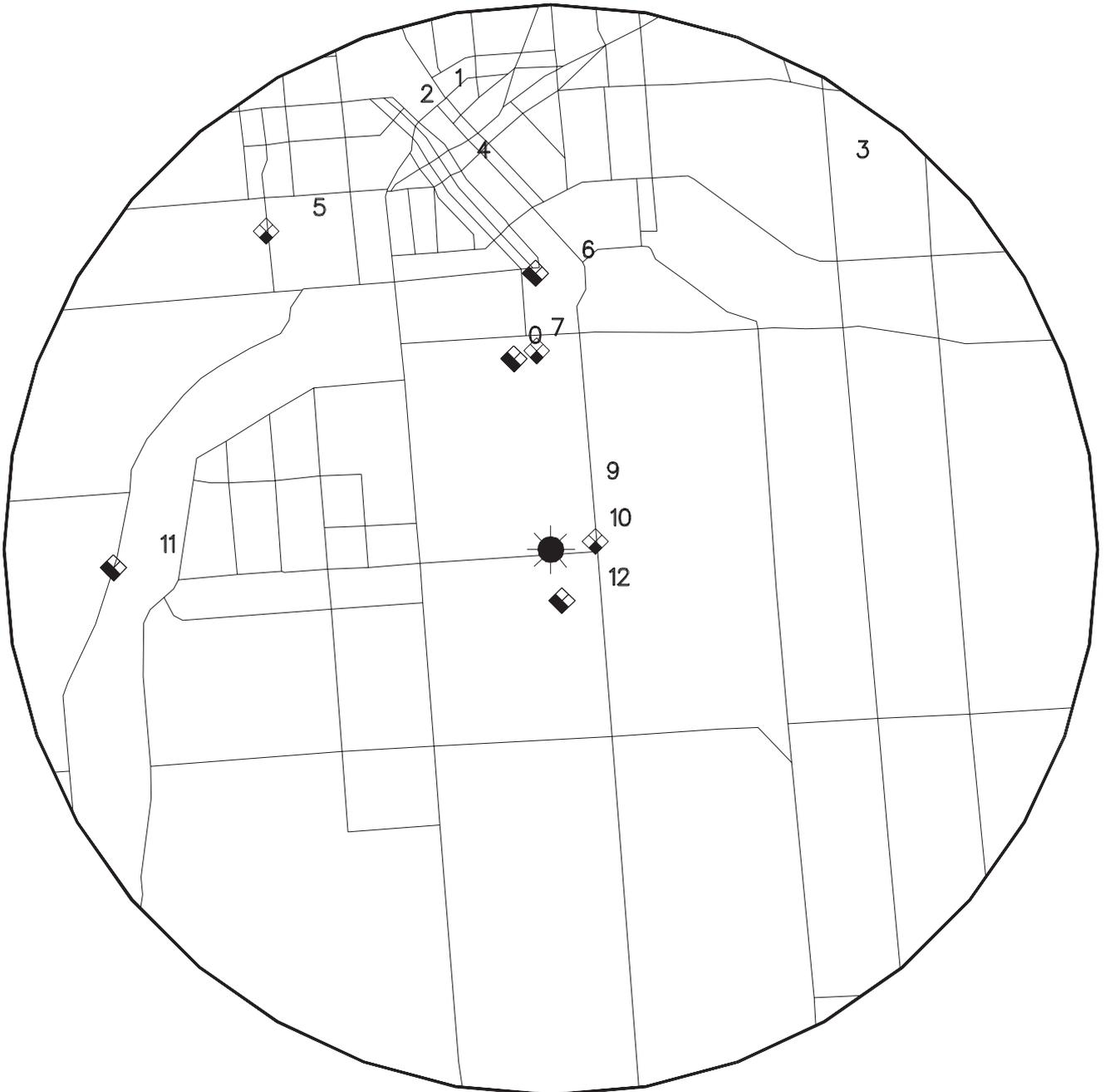


Water
Release



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: 53545GMBC 1000I

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
KARLSHAMNS USA INC. KARLSHAMNS USA 1530 S. JACKSON ST. JANESVILLE WI 53546 SIC DESCRIPTION: SURF ACTIVE AGENT, FIN AGENTS SIC CODE: 2843 MAP LOCATION NO: 7								
ETHYLENE OXIDE	6,900	8,400	0	0	15,300	5	0	5
PROPYLENE OXIDE	1,500	750	0	0	2,250	5	0	5
DIMETHYL SULFATE	5	0	0	0	5	5	0	5
SUBTOTALS	8,405	9,150	0	0	17,555	15	0	15
RIVERSIDE PLATING CO. INC. 1623 BELOIT AVE. JANESVILLE WI 53547 SIC DESCRIPTION: PLATING AND POLISHING SIC CODE: 3471 MAP LOCATION NO: 9								
SUBTOTALS	0	0	0	0	0	0	0	0
DEVERE CHEMICAL CO. INC. 1923 BELOIT AVE. P. O. BOX 8444 JANESVILLE WI 53545 SIC DESCRIPTION: SPECIALTY CLEANING, POLISHING SIC CODE: 2842 MAP LOCATION NO: 10								
HYDROCHLORIC ACID	250	0	0	0	250	0	0	0
PHOSPHORIC ACID	250	0	0	0	250	0	0	0
SUBTOTALS	500	0	0	0	500	0	0	0

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 GENERAL MOTORS CORP TRI NO: 53545GMBC 1000I

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	
WITCO CORP. SHEREX CHEMICAL CO. INC. SIC DESCRIPTION: SURF ACTIVE AGENT, FIN AGENTS MAP LOCATION NO: 11 2001 AFTON RD. SIC CODE: 2843 JANESVILLE WI 53547									
DIETHYL SULFATE	5	5	0	0	10	5	74	79	
CHLOROMETHANE	2,900	26,630	0	0	29,530	250	0	250	
ETHYLENE OXIDE	6,872	0	0	0	6,872	0	0	0	
PROPYLENE OXIDE	2,239	0	0	0	2,239	0	0	0	
DIMETHYL SULFATE	0	5	0	0	5	0	0	0	
ACRYLIC ACID	5	0	0	0	5	0	24	24	
CHLOROACETIC ACID	250	5	0	0	255	0	0	0	
BENZYL CHLORIDE	5	5	0	0	10	0	0	0	
EPICHLOROHYDRIN	5	5	0	0	10	0	280	280	
DIETHANOLAMINE	0	250	0	0	250	745	0	745	
GLYCOL ETHERS	250	18	0	0	268	1,681	214	1,895	
SUBTOTALS	12,531	26,923	0	0	39,454	2,681	592	3,273	
QUALITY WOOD TREATING CO. INC. SIC DESCRIPTION: WOOD PRESERVING MAP LOCATION NO: 12 305 BURBANK SIC CODE: 2491 JANESVILLE WI 53545									
ARSENIC COMPOUNDS	0	0	0	0	0	0	310	310	
CHROMIUM COMPOUNDS	0	1	0	0	1	0	245	245	
COPPER COMPOUNDS	0	0	0	0	0	0	180	180	
SUBTOTALS	0	1	0	0	1	0	735	735	

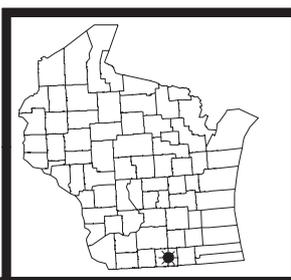
General Motors Janesville Rock County, Wisconsin

Latitude: 42 39 55 N
Longitude: 89 19 W

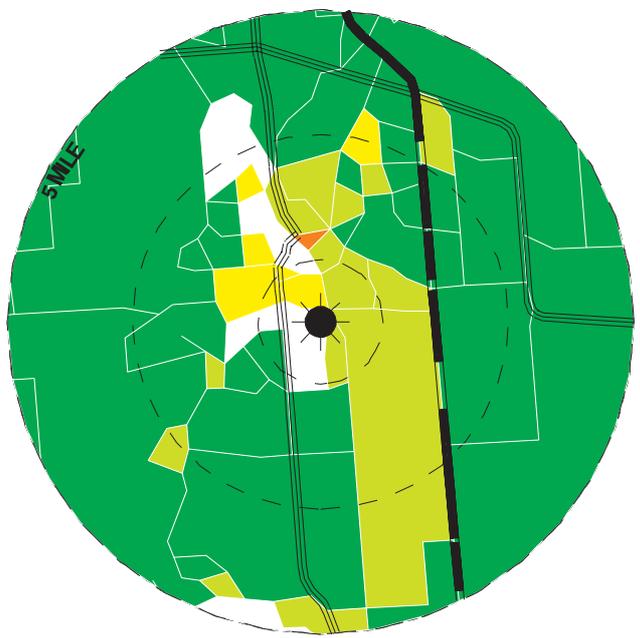
- MAP KEY:**
- County Boundaries
 - Inter State Highway
 - US Highway
 - Rail Road
 - One Mile
 - Three Miles
 - Five Miles

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

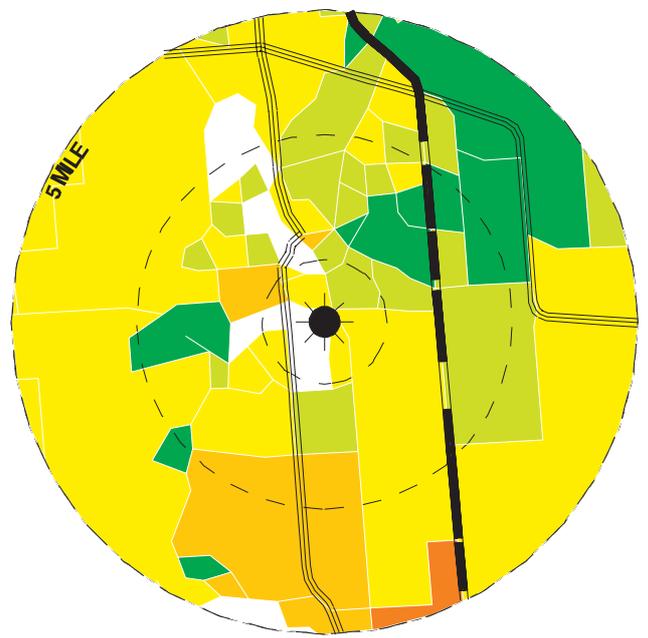
- Minority, poverty, and High School Incomplete percentages**
- Greater than 50
 - 40 - 50
 - 30 - 40
 - 20 - 30
 - 10 - 20
 - 0 - 10



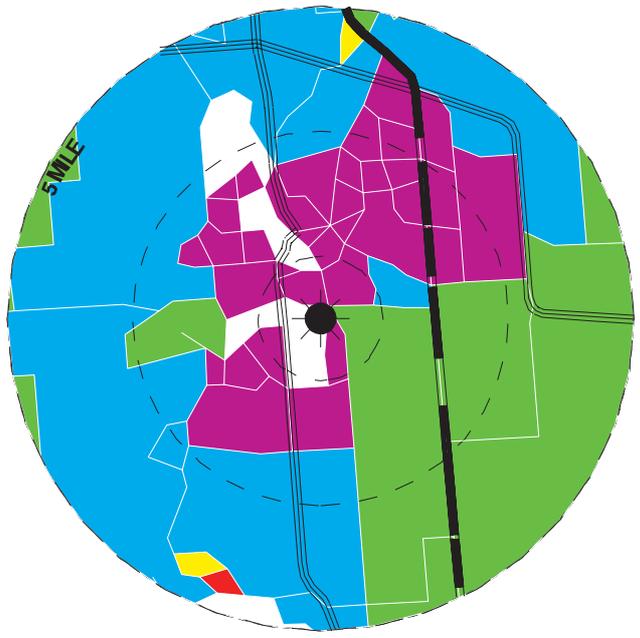
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population



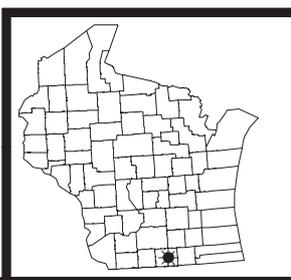
General Motors Janesville Rock County, Wisconsin

Latitude: 42 39 55 N
Longitude: 89 19 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

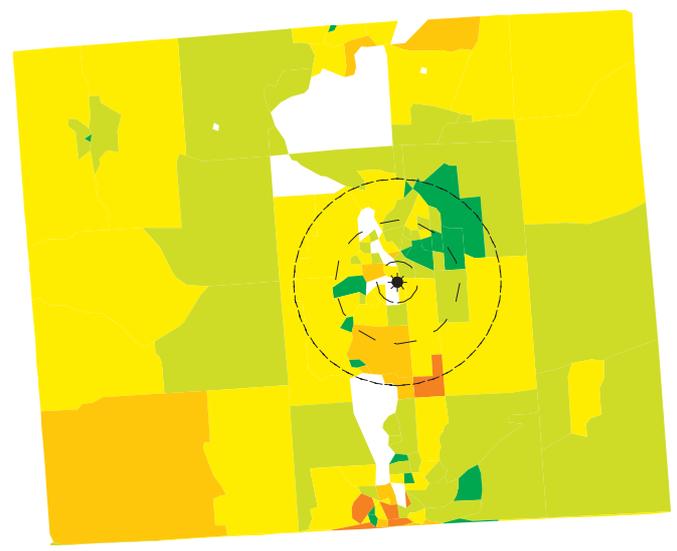
- Minority, poverty, and High School Incomplete percentages**
- Greater than 50
 - 40 - 50
 - 30 - 40
 - 20 - 30
 - 10 - 20
 - 0 - 10



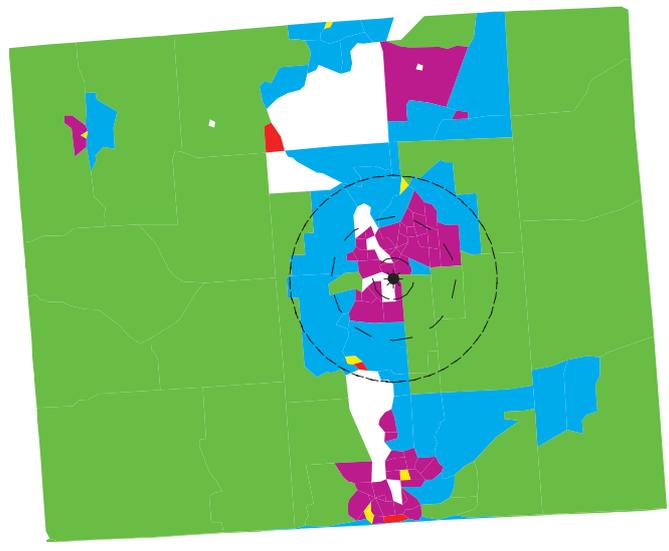
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population

