

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**

**6. Chrysler Corp.
Belvidere, IL**

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:
Chrysler Corp.
Belvidere IL**

12/2/97

LOCATION	Address	3000 W. Chrysler Dr., Belvidere IL 61008		DESCRIPTION	Produced Dodge Neon and Plymouth Neon in 1994.		
	Lat/Long:	latitude (degrees N)	42 14' 11"				
		longitude (degrees W)	88 51' 55"				
	County:	Boone	MSA:		Rockford IL	ID NUMBERS	RCRA ID
Other counties within 3 miles of plant:			Winnebago	AIRS ID	AFS1700700001		
				NPDES ID	-		
				TRI	61008BLVDR3000W		

OPERATIONS	Production	Employment
Calendar Year: 1991	178,087	3,605
1992	155,107	2,956
1993	56,601	3,371
1994	242,806	4,063

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	B211 org. liquids	A53 1x/intermittent	Off	M141 transfer facil.	1.2	1.2	0.0
D001 (ignitable)	N	B604 org. sludges	A29 other surface prep	Off	M042 incineration	31.7	31.7	0.0
D001, U151	N	B003 lab packs	A58 1x/intermittent	Off	M141 transfer facil.	12.2	12.2	0.0
D002 (corrosive)	N	B519 inorg. sludges	A03 caustic cleaning	Off	M112 stabilization	12.6	12.6	0.0
D008 (lead)	N	B310 inorg. solids	A21 painting	Off	M043 incineration	11.4	11.4	0.0
F003 (nonhalog. solvents)	N	B310 inorg. solids	A08 physical scraping	Off	M043 incineration	10.0	10.0	0.0
F003, D001, D006, D007, D008	N	B211 org. liquids	A21 painting	Off	M051 energy recov.	351.2	351.2	0.0
F003, D001, D006, D007, D008	N	B604 org. sludges	A21 painting	Off	M061 fuel blending	5.9	5.9	0.0
TOTAL - 1991						436.2	436.2	0.0
<i>1993</i>								
D001 (ignitable)	N	B003 lab packs	A58 1x/intermittent	Off	M041 incineration	1.4	1.4	0.0
D001 (ignitable)	N	B201 org. liquid	A69 remediation	Off	M141 transfer facil.	1.0	1.0	0.0
D001 (ignitable)	N	B209 org. liquid	A29 other surface prep	Off	M041 incineration	10.5	10.5	0.0
D001, D018, D035	N	B219 org. liquid	A57 1x/intermittent	Off	M021 solvents recov.}	52.4	0.6	0.0
D001, D018, D035	N	B219 org. liquid	A57 1x/intermittent	Off	M051 energy recov.}		51.6	0.0
D002 (corrosive)	Y	B110 inorg liquid	A57 1x/intermittent	Off	M141 transfer facil.	0.6	0.6	0.0
D002 (corrosive)	N	B519 inorg sludges	A03 caustic cleaning	Off	M111 stabilization	5.2	5.2	0.0
D008 (lead)	N	B310 inorg. solids	A21 painting	Off	M043 incineration	5.5	5.5	0.0
F002, F003, F005 (solvents)	N	B202 org. liquid	A04 flush rinsing	Off	M021 solvents recov.	21.4	21.4	0.0
F003 (non-halog solvents)	N	B310 inorg. solids	A08 physical scraping	Off	M043 incineration	16.1	16.1	0.0
F003, D001, D006, D007, D008	N	B209 org. liquid	A21 painting	Off	M061 fuel blending	5.5	5.5	0.0
F003, D001, D006, D007, D008	N	B211org. liquid	A09 clean out equip	Off	M061 fuel blending	116.2	116.2	0.0
F003, D001, D006, D008, D007	N	B211org. liquid	A09 clean out equip	Off	M021 solvents recov.}	83.3	83.3	0.0
F003, D001, D006, D008, D007	N	B211org. liquid	A09 clean out equip	Off	M051 energy recov.}	134.0	134.0	0.0
TOTAL - 1993						453.1	452.9	0.0

TOXICS RELEASE INVENTORY

	<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>
Total lbs of TRI chemicals:									
1991	104,949	396,864	502,173	221,020	313,000	0	4,351	18,004	556,375
1992	131,654	435,843	567,497	230,652	469,629	169,359	1,228	10,689	881,557
1993	70,465	135,535	206,000	54,165	146,014	48,718	1,346	1,220	251,463
1994	105,089	256,337	361,426	3,091	44,032	9,988	15,478	20,264	92,853
Lbs. per vehicle produced:									
1991	0.59	2.23	2.82	1.24	1.76	0.00	0.02	0.10	3.12
1992	0.85	2.81	3.66	1.49	3.03	1.09	0.01	0.07	5.68
1993	1.24	2.39	3.64	0.96	2.58	0.86	0.02	0.02	4.44
1994	0.43	1.06	1.49	0.01	0.18	0.04	0.06	0.08	0.38

**Plant-Community Profile:
Chrysler Corp.
Belvidere IL**

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
FORMALDEHYDE	890	7,900	8,790	0	46	15	11	0	72
METHANOL	4,400	29	4,429	0	0	0	406	0	406
BENZENE	59	1,000	1,059	0	0	0	0	0	0
METHYL ETHYL KETONE	67,000	420	67,420	0	7,200	670	1,700	0	9,570
BENZOYL PEROXIDE	0	0	0	0	0	0	260	0	260
BIS(2-ETHYLHEXYL) ADIPATE	0	0	0	0	0	0	2,160	0	2,160
ETHYLENE GLYCOL	240	1,900	2,140	240	886	4	0	0	1,130
METHYL ISOBUTYL KETONE	12,000	100,000	112,000	0	8,200	870	2,000	0	11,070
XYLENE (MIXED ISOMERS)	13,000	100,000	113,000	0	16,500	1,581	5,480	0	23,561
SULFURIC ACID	0	26	26	0	0	0	0	0	0
CHROMIUM COMPOUNDS	0	62	62	26	0	5,813	66	1,300	7,205
GLYCOL ETHERS	7,500	45,000	52,500	2,200	11,200	1,035	3,249	4	17,688
LEAD COMPOUNDS	0	0	0	25	0	0	40	360	425
MANGANESE COMPOUNDS	0	0	0	110	0	0	0	4,200	4,310
NICKEL COMPOUNDS	0	0	0	120	0	0	0	2,400	2,520
ZINC COMPOUNDS	0	0	0	370	0	0	106	12,000	12,476
TOTAL	105,089	256,337	361,426	3,091	44,032	9,988	15,478	20,264	92,853

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

	VOMs*	NOx
1990	NA	NA
1991	NA	594,000
1992	1,676,620	177,000
1993	719,000	214,000
1994	1,065,580	160,000

* volatile organic materials

**Plant-Community Profile:
Chrysler Corp.
Belvidere IL**

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 DEVECO CORP.	510	500	1,010	15	7,050	7,065
2 APACHE PRODS. CO.	74,139	226	76,976	0	2,611	2,611
3 CAMCAR/TEXTRON INC. TAPTITE PR	0	0	0	11	24,560	24,571
4 PILLSBURY CO.	19,100	0	19,100	0	16,955	16,955
5 DEAN FOODS CO. ICE CREAM DIV.	21,696	0	21,696	11,293	0	11,293
Total	115,445	726	118,782	11,319	51,176	62,495

**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:
Chrysler Corp.
Belvidere IL**

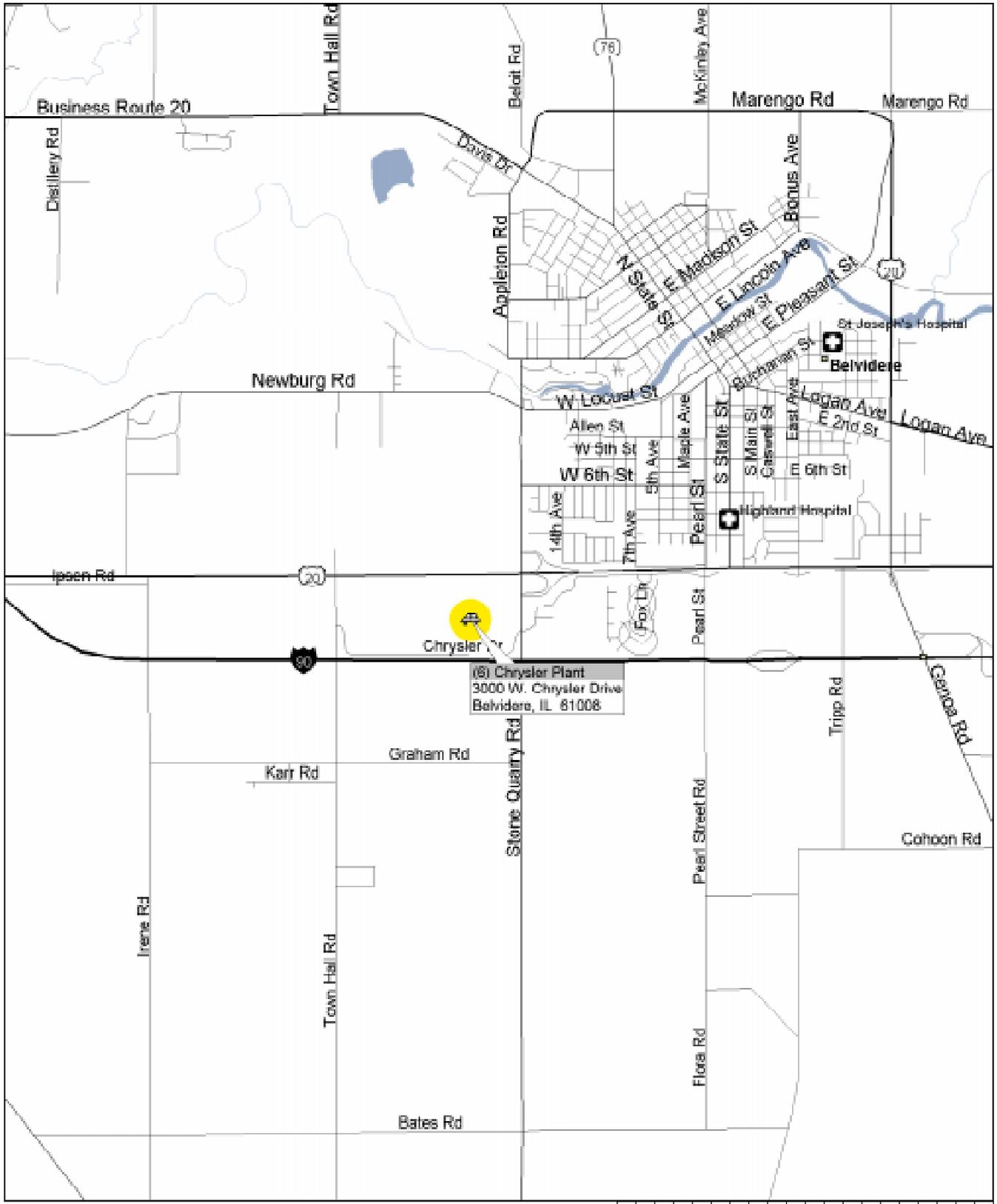
12/2/97

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	34,786	11,751,679	260,340,990
Total Population (1990)	811	1,912	11,984	10,072	5,073	30,806	11,430,602	248,709,873
% change 1990-1994	NA	NA	NA	NA	NA	13	3	5
Total Area (sq. mi.) (1990)	15.9	3.1	28.2	25.1	50.2	281.4	55,593.3	3,536,278.1
Population/sq. mi. (land area) (1990)	51	624	463	441	115	109	206	70
Median Household Income (1994)						NA	35,081	32,264
Median Household Income (1989)						35,103	32,252	30,056
% Change 1979-1989 (constant \$)						1	<0	7
% Change 1989-1994 (constant \$)						NA	<0.5	7
Per Capita Personal Income (1993)						18,732	22,560	20,800
Per Capita Personal Income (1989)						17,309	19,071	17,690
% Change 1989-1993 (current \$)						8	18	18
Minority Percentage (1990)	2	5	5	5	2	4	21	20
Pct. of Households Below Poverty Level (1989)	11	22	15	14	5	24	20	20
Pct. Not Completing High School (1990)	23	32	27	26	15	24	23	25
Total Employment (1994) (civilian nonfarm)						17,955	5,999,000	131,056,000
Unemployment Rate (1994)						6	6	6
Manufacturing Employment (1993)						4,618	978,517	18,183,381
Mfgr. as % Total Employment (1993)						50	21	19
Manufacturing Employment (1992)						NA	18,000	18,253,000
Production Workers (1992)						NA	11,000	11,654,000
% Change in Mfgr. Employment 1987-1992						NA	-2	-4
Assembly Plant as % Total Mfgr. Workers						88		

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

Belvidere, IL, Chrysler Plant



Microsoft Expedia
Streets98

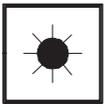
CHRYSLER CORP
3000 W CHRYSLER DR
BELVIDERE IL
Tri Number: 61008BLVDR3000W

Map #	SIC	Name	Address	City	State
0	3711	CHRYSLER CORP. BELVIDERE ASSEMBLY PLANT	3000 W. CHRYSLER DR.	BELVIDERE	IL
1	2899	DEVECO CORP.	424 FAIRVIEW AVE.	BELVEDERE	IL
2	3086	APACHE PRODS. CO.	1005 MCKINLEY AVE.	BELVIDERE	IL
3	3452	CAMCAR/TEXTRON INC. TAPTITE PRODUCTS DIV.	826 E. MADISON ST.	BELVIDERE	IL
4	2037	PILLSBURY CO.	915 E. PLEASANT ST.	BELVIDERE	IL
5	2024	DEAN FOODS CO. ICE CREAM DIV.	630 MEADOW ST.	BELVIDERE	IL

AREA WIDE 1994 TRI EMISSION PROFILE

CHRYSLER CORP
BOONE COUNTY, Illinois

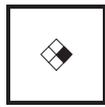
Latitude: 42 14 11
Longitude: 88 51 55



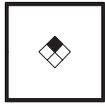
Map Key:
Auto
Plant
Truck



Air
Release



Land
Release

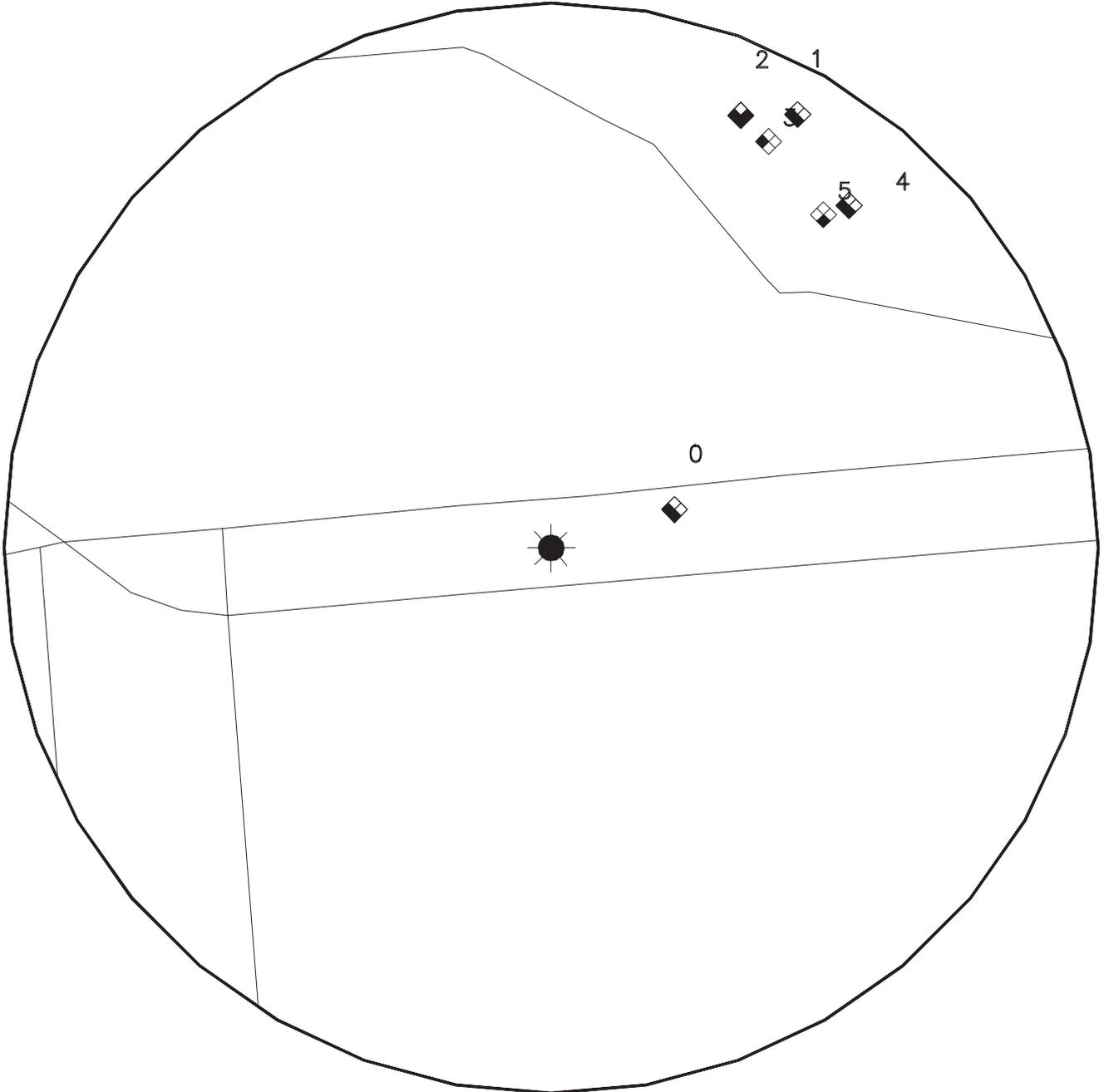


Water
Release



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
 CHRYSLER CORP TRI NO: 61008BLVDR3000W

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
CHRYSLER CORP. BELVIDERE ASSEMBLY PLANT SIC DESCRIPTION: MOTOR VEHICLES & CAR BODIES MAP LOCATION NO: 0 3000 W. CHRYSLER DR. SIC CODE: 3711 BELVIDERE IL 61008 6094								
FORMALDEHYDE	890	7,900	0	0	8,790	0	72	72
METHANOL	4,400	29	0	0	4,429	0	406	406
BENZENE	59	1,000	0	0	1,059	0	0	0
METHYL ETHYL KETONE	67,000	420	0	0	67,420	0	9,570	9,570
BENZOYL PEROXIDE	0	0	0	0	0	0	260	260
BIS(2-ETHYLHEXYL) ADIPATE	0	0	0	0	0	0	2,160	2,160
ETHYLENE GLYCOL	240	1,900	0	0	2,140	240	890	1,130
METHYL ISOBUTYL KETONE	12,000	100,000	0	0	112,000	0	11,070	11,070
XYLENE (MIXED ISOMERS)	13,000	100,000	0	0	113,000	0	23,561	23,561
SULFURIC ACID	0	26	0	0	26	0	0	0
CHROMIUM COMPOUNDS	0	62	0	0	62	26	7,179	7,205
GLYCOL ETHERS	7,500	45,000	0	0	52,500	2,200	15,488	17,688
LEAD COMPOUNDS	0	0	0	0	0	25	400	425
MANGANESE COMPOUNDS	0	0	0	0	0	110	4,200	4,310
NICKEL COMPOUNDS	0	0	0	0	0	120	2,400	2,520
ZINC COMPOUNDS	0	0	0	0	0	370	12,106	12,476
SUBTOTALS	105,089	256,337	0	0	361,426	3,091	89,762	92,853
DEVECO CORP. SIC DESCRIPTION: CHEMICALS & CHEM PREP, NEC MAP LOCATION NO: 1 424 FAIRVIEW AVE. SIC CODE: 2899 BELVEDERE IL 61008								
NITRIC ACID	250	0	0	0	250	0	0	0
CHROMIUM COMPOUNDS	250	250	0	0	500	5	4,200	4,205
NICKEL COMPOUNDS	5	0	0	0	5	5	750	755
ZINC COMPOUNDS	5	250	0	0	255	5	2,100	2,105
SUBTOTALS	510	500	0	0	1,010	15	7,050	7,065

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 CHRYSLER CORP TRI NO: 61008BLVDR3000W

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	
<hr/>									
APACHE PRODS. CO. 1005 MCKINLEY AVE. BELVIDERE IL 61008									2
			SIC DESCRIPTION:	PLASTICS FOAM PRODUCTS			MAP LOCATION NO:		
			SIC CODE:	3086					
	16,000	0	0	0	16,000	0	0	0	
METHYLENEBIS(PHENYLISOCYANATE)	139	226	0	2,611	2,976	0	2,611	2,611	
	58,000	0	0	0	58,000	0	0	0	
SUBTOTALS	74,139	226	0	2,611	76,976	0	2,611	2,611	
<hr/>									
CAMCAR/TEXTRON INC. TAPTITE PRODUCTS DIV. 826 E. MADISON ST. BELVIDERE IL 61008									3
			SIC DESCRIPTION:	BOLTS, NUTS, RIVETS & WASHERS			MAP LOCATION NO:		
			SIC CODE:	3452					
MANGANESE	0	0	0	0	0	2	15,462	15,464	
CHROMIUM	0	0	0	0	0	4	6,392	6,396	
COPPER	0	0	0	0	0	5	2,706	2,711	
SUBTOTALS	0	0	0	0	0	11	24,560	24,571	
<hr/>									
PILLSBURY CO. 915 E. PLEASANT ST. BELVIDERE IL 61008									4
			SIC DESCRIPTION:	FROZEN FRTS, FRT JUICES & VEG			MAP LOCATION NO:		
			SIC CODE:	2037					
AMMONIA	19,100	0	0	0	19,100	0	16,955	16,955	
SUBTOTALS	19,100	0	0	0	19,100	0	16,955	16,955	

1994 TRI EMISSIONS (LB/YEAR) AT FACILITIES WITHIN THREE MILES OF
 CHRYSLER CORP TRI NO: 61008BLVDR3000W

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
DEAN FOODS CO. ICE CREAM DIV. 630 MEADOW ST. BELVIDERE								
	IL 61008 3398							
PHOSPHORIC ACID	0	0	0	0	0	250	0	250
AMMONIA	21,696	0	0	0	21,696	11,043	0	11,043
SUBTOTALS	21,696	0	0	0	21,696	11,293	0	11,293

SIC DESCRIPTION: ICE CREAM AND FROZEN DESSERTS MAP LOCATION NO:
 SIC CODE: 2024

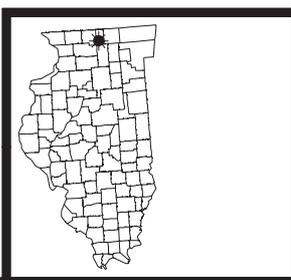
Chrysler Corporation Belvidere Boone County, Illinois

Latitude: 42 14 11 N
Longitude: 88 51 55 W

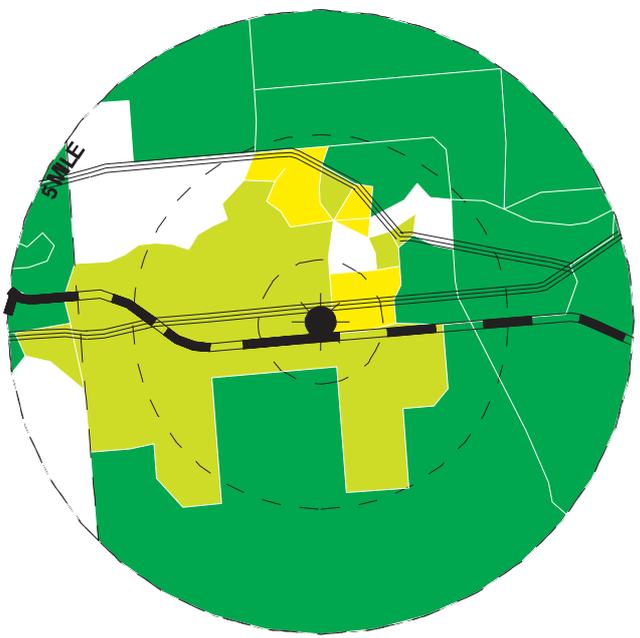
- MAP KEY:**
- County Boundaries
 - Inter State Highway
 - US Highway
 - Rail Road
 - One Mile
 - Three Miles
 - Five Miles

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

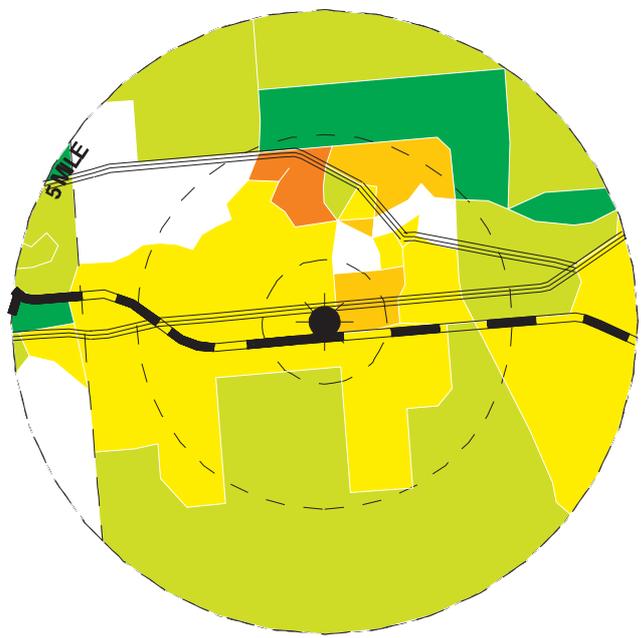
- Minority, poverty, and High School Incomplete percentages**
- Greater than 50
 - 40 - 50
 - 30 - 40
 - 20 - 30
 - 10 - 20
 - 0 - 10



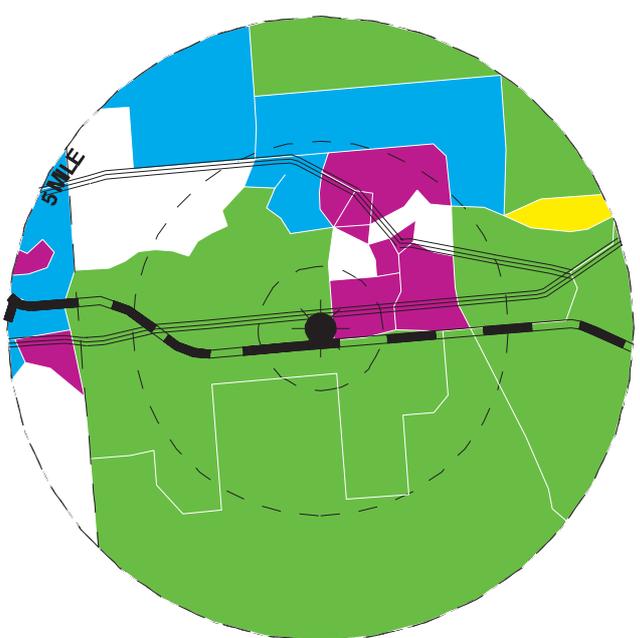
Percentage of Total Population Below Poverty Level



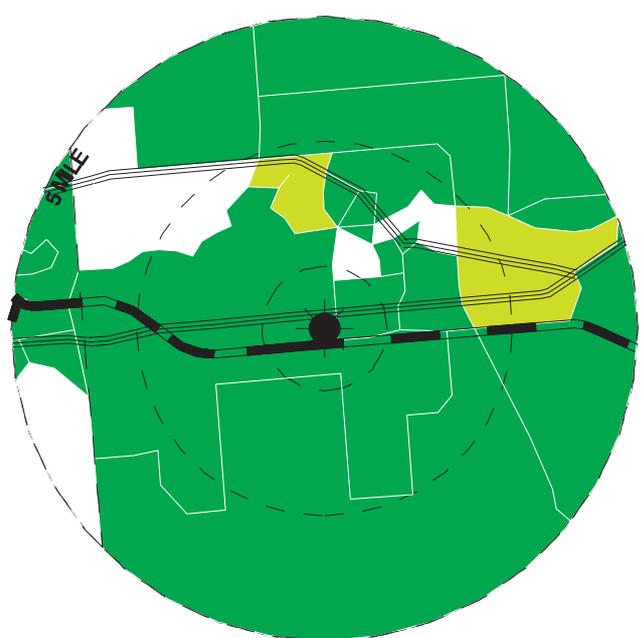
Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population



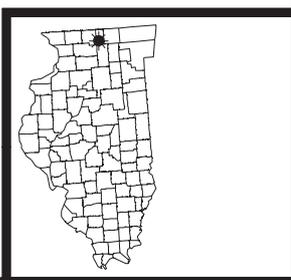
Chrysler Corporation Belvidere Boone County, Illinois

Latitude: 42 14 11 N
Longitude: 88 51 55 W

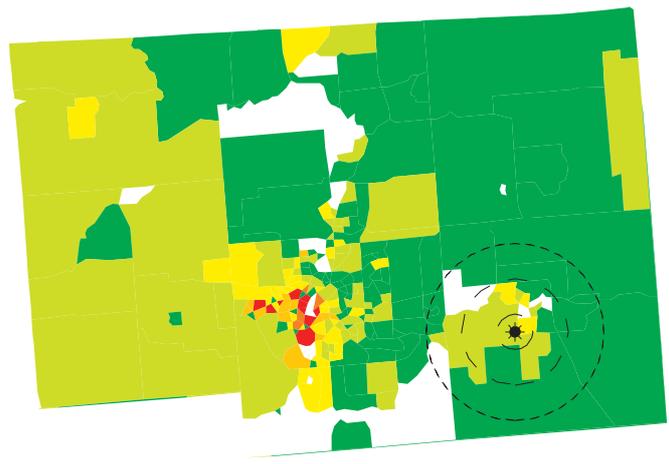
- MAP KEY:**
-  County Boundries
 -  Inter State Highway
 -  US Highway
 -  Rail Road
 -  One Mile
 -  Three Miles
 -  Five Miles

- 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



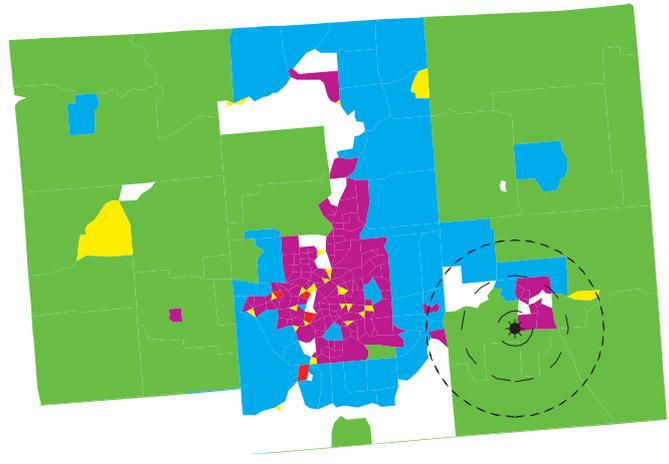
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density
People Per Sq. Mile



Minority Population
Percent of Total Population

