

**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**

**41. General Motors  
North Tarrytown, NY**

**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  
North Tarrytown NY**

12/2/97

<b>LOCATION</b>	Address	199 Beekman Ave., North Tarrytown NY 10591		<b>DESCRIPTION</b>	Produced Lumina APV, Pontiac Trans Sport and Olds Silhouette in 1994.			
	Lat/Long:	latitude (degrees N)	41 5' 0"		<b>ID NUMBERS</b>	RCRA ID	NYD002026565	
		longitude (degrees W)	73 52' 15"	AIRS ID		AFS3611900008		
	County:	Westchester	MSA:	New York NY		NPDES ID	-	
	Other counties within 3 miles of plant:	Rockland		TRI		10591GNRLM199BE		

<b>OPERATIONS</b>		<b>Production</b>	<b>Employment</b>
Calendar Year:	1991	104,987	
	1992	102,299	
	1993	117,811	
	1994	136,522	2,521

**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) D039 (tetrachlorethylene)	N	B203 org. liquids	A05 dip rinsing	Off	M021 solvents recov.	0.2	0.2	0.0
D008 (lead)	N	B310 inorg. solids	A32 product filtering	Off	M061 fuel blending	12.5	12.5	0.0
F003 (nonhalog. solvents)	N	B310 inorg. solids	A55 1x/intermittent	Off	M061 fuel blending	13.8	13.8	0.0
F003 (nonhalog. solvents) D001(ignit.)	N	B211 org. liquids	A21 painting	Off	M061 fuel blending	758.7	758.7	0.0
F005 (nonhalog. solvents)	N	B310 inorg. solids	A55 1x/intermittent	Off	M061 fuel blending	10.9	10.9	0.0
F005 (solvents) D001 (ignitable)	N	B211 org. liquids	A21 painting	Off	M061 fuel blending	121.6	121.6	0.0
<b>TOTAL - 1991</b>						<b>917.7</b>	<b>917.7</b>	<b>0.0</b>
<i>1993</i>								
D001(ignitable) D039 (tetrochlorethylene)	N	B203 org. liquid	A05 dip rinsing	Off	M021 solvents recov.	0.9	0.9	0.0
D008 (lead)	Y	B101 inorg liquid	A92 routine cleanup	On	M135 disch. to POTW	16,697.4	0.0	16,697.4
D008 (lead)	N	B310 inorg. solids	A32 product filtering	Off	M111 stabilization	7.8	7.8	0.0
D009 (mercury)	N	B307 inorg. solids	A56 1x/intermittent	Off	M111 stabilization	0.3	0.3	0.0
F003 (non-halog solvents)	N	B310 inorg. solids	A55 1x/intermittent	Off	M061 fuel blending	21.3	21.3	0.0
F003 (solvents) D001(ignitable)	N	B211org. liquid	A21 painting	Off	M022 solvents recov.	597.9	597.9	0.0
F003 (solvents) D001(ignitable)	N	B211org. liquid	A21 painting	Off	M061 fuel blending	52.3	52.3	0.0
<b>TOTAL - 1993</b>						<b>17,377.9</b>	<b>680.5</b>	<b>16,697.4</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	12,800	480,250	493,050	250	1,104,700	10,343	750	0	1,116,043
1992	27,555	407,550	435,105	250	610,050	334,900	1,000	0	946,200
1993	23,950	464,300	488,250	250	213,500	702,750	0	1,250	917,750
1994	18,000	543,650	561,650	250	426,100	210,200	0	1,000	637,550
<b>Lbs. per vehicle produced:</b>									
1991	0.12	4.57	4.70	0.00	10.52	0.10	0.01	0.00	10.63
1992	0.27	3.98	4.25	0.00	5.96	3.27	0.01	0.00	9.25
1993	0.20	3.94	4.14	0.00	1.81	5.97	0.00	0.01	7.79
1994	0.13	3.98	4.11	0.00	3.12	1.54	0.00	0.01	4.67

**Plant-Community Profile:  
General Motors  
N. Tarrytown NY**

12/2/97

**PLANT ENVIRONMENTAL PROFILE (continued)**

**1994 TRI Emissions/Releases by Chemical (lbs.)**

<b>Chemical Name</b>	<b>Air-Fugitive Emissions</b>	<b>Air-Stack Emissions</b>	<b>Total Releases</b>	<b>Discharge to POTW</b>	<b>Off-Site Energy Recovery</b>	<b>Off-Site Recycling</b>	<b>Off-Site Treatment</b>	<b>Off-Site Disposal</b>	<b>Total Transfers</b>
METHANOL	250	22,000	22,250	0	14,000	7,200	0	0	21,200
N-BUTYL ALCOHOL	250	100,000	100,250	0	30,000	14,000	0	0	44,000
BENZENE	0	250	250	0	0	0	0	0	0
METHYL ETHYL KETONE	6,500	250	6,750	0	5,600	2,800	0	0	8,400
1,2,4-TRIMETHYLBENZENE	250	56,000	56,250	0	7,600	3,800	0	0	11,400
CUMENE	1,400	18,000	19,400	0	750	250	0	0	1,000
ETHYLBENZENE	250	47,000	47,250	0	48,000	24,000	0	0	72,000
ETHYLENE GLYCOL	250	250	500	0	750	0	0	0	750
METHYL ISOBUTYL KETONE	250	250	500	0	78,000	39,000	0	0	117,000
TOLUENE	1,100	250	1,350	0	17,000	8,400	0	0	25,400
XYLENE (MIXED ISOMERS)	1,900	230,000	231,900	0	220,000	110,000	0	0	330,000
METHYL TERT-BUTYL ETHER	0	1,400	1,400	0	0	0	0	0	0
GLYCOL ETHERS	5,600	68,000	73,600	0	4,400	750	0	0	5,150
ZINC COMPOUNDS	0	0	0	250	0	0	0	1,000	1,250
<b>TOTAL</b>	<b>18,000</b>	<b>543,650</b>	<b>561,650</b>	<b>250</b>	<b>426,100</b>	<b>210,200</b>	<b>0</b>	<b>1,000</b>	<b>637,550</b>

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

	<b>VOCs</b>	<b>NOx</b>
1990	1,604,000	276,000
1991	NA	NA
1992	582,000	236,000
1993	1,418,000	228,000
1994	1,528,000	248,000

**Plant-Community Profile:  
General Motors  
North Tarrytown NY**

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>
2 COCA-COLA BOTTLING CO. OF NEW	0	0	0	3,483	0	3,483
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,483</b>	<b>0</b>	<b>3,483</b>

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

ozone - nonattainment (severe)  
carbon monoxide - nonattainment (moderate)  
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  
N. Tarrytown NY**

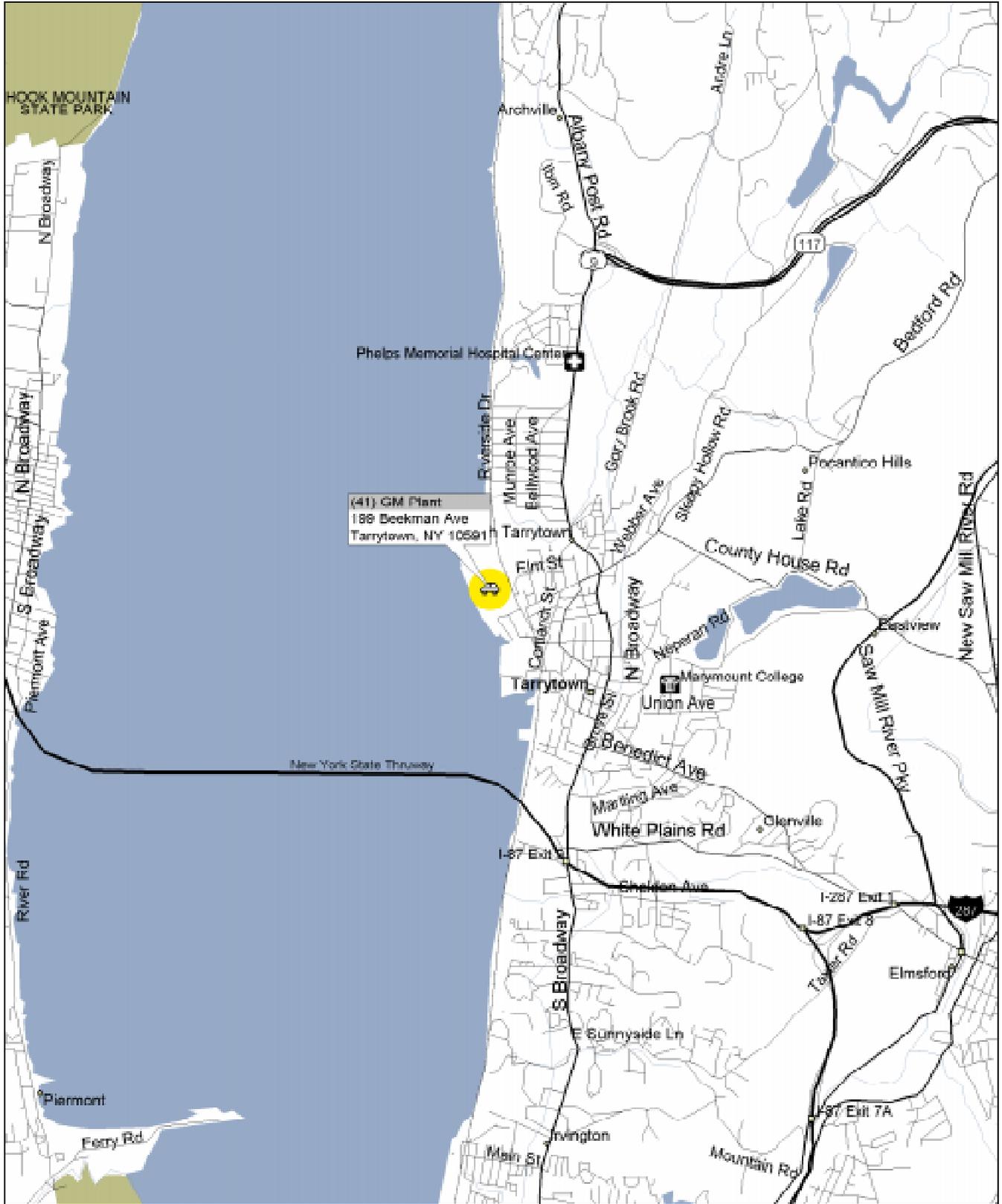
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**COMMUNITY DEMOGRAPHIC AND ECONOMIC CHARACTERISTICS**

	<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	888,945	18,172,614	260,340,990
Total Population (1990)	1,091	3,622	33,014	29,392	154,188	874,866	17,990,455	248,709,873
% Change 1990-1994	NA	NA	NA	NA	NA	2	1	5
Total Area (sq. mi.) (1990)	0.5	3.1	28.2	25.1	50.2	432.9	47,223.8	3,536,278.1
Population/sq. mi. (land area) (1990)	2,045	2,841	2,408	2,364	3,752	2,021	381	70
Median Household Income (1994)						NA	31,899	32,264
Median Household Income (1989)						48,405	32,965	30,056
% Change 1979-1989 (constant \$)						27	18	7
% Change 1989-1994 (constant \$)						NA	-3	7
Per Capita Personal Income (1993)						35,945	24,824	20,800
Per Capita Personal Income (1989)						30,785	20,983	17,690
% Change 1989-1993 (current \$)						17	18	18
Minority Percentage (1990)	0	5	13	14	31	20	25	20
Pct. of Households Below Poverty Level (1989)	12	9	9	9	6	16	30	20
Pct. Not Completing High School (1990)	8	20	16	15	15	18	24	25
Total Employment (1994) (civilian nonfarm)						438,027	8,751,000	131,056,000
Unemployment Rate (1994)						5	7	6
Manufacturing Employment (1993)						47,084	1,000,281	18,183,381
Mfgr. as % Total Employment (1993)						13	15	19
Manufacturing Employment (1992)						NA	1,049,000	18,253,000
Production Workers (1992)						NA	592,000	11,654,000
% Change in Mfgr. Employment 1987-1992						NA	-18	-4
Assembly Plant as % Total Mfgr. Workers						5		

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

# North Tarrytown, NY, GM Plant



Microsoft MapData  
**Streets98**

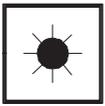
GENERAL MOTORS CORP  
199 BEEKMAN AVE  
N TARRYTOWN NY  
Tri Number: 10591GNRLM199BE

Map #	SIC	Name	Address	City	State
0	3711	GMC CHEVROLET PONTIAC CANADA GROUP	199 BEEKMAN AVE.	NORTH TARRYTOWN	NY
2	2086	COCA-COLA BOTTLING CO. OF NEW YORK	555 FAIRVIEW PARK DR.	ELMSFORD	NY

# AREA WIDE 1994 TRI EMISSION PROFILE

GENERAL MOTORS CORP  
WESTCHESTER COUNTY, New York

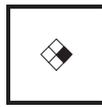
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Longitude: 73 52 15



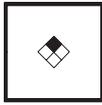
Map Key:  
Auto  
Plant  
Truck



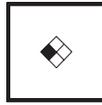
Air  
Release



Land  
Release

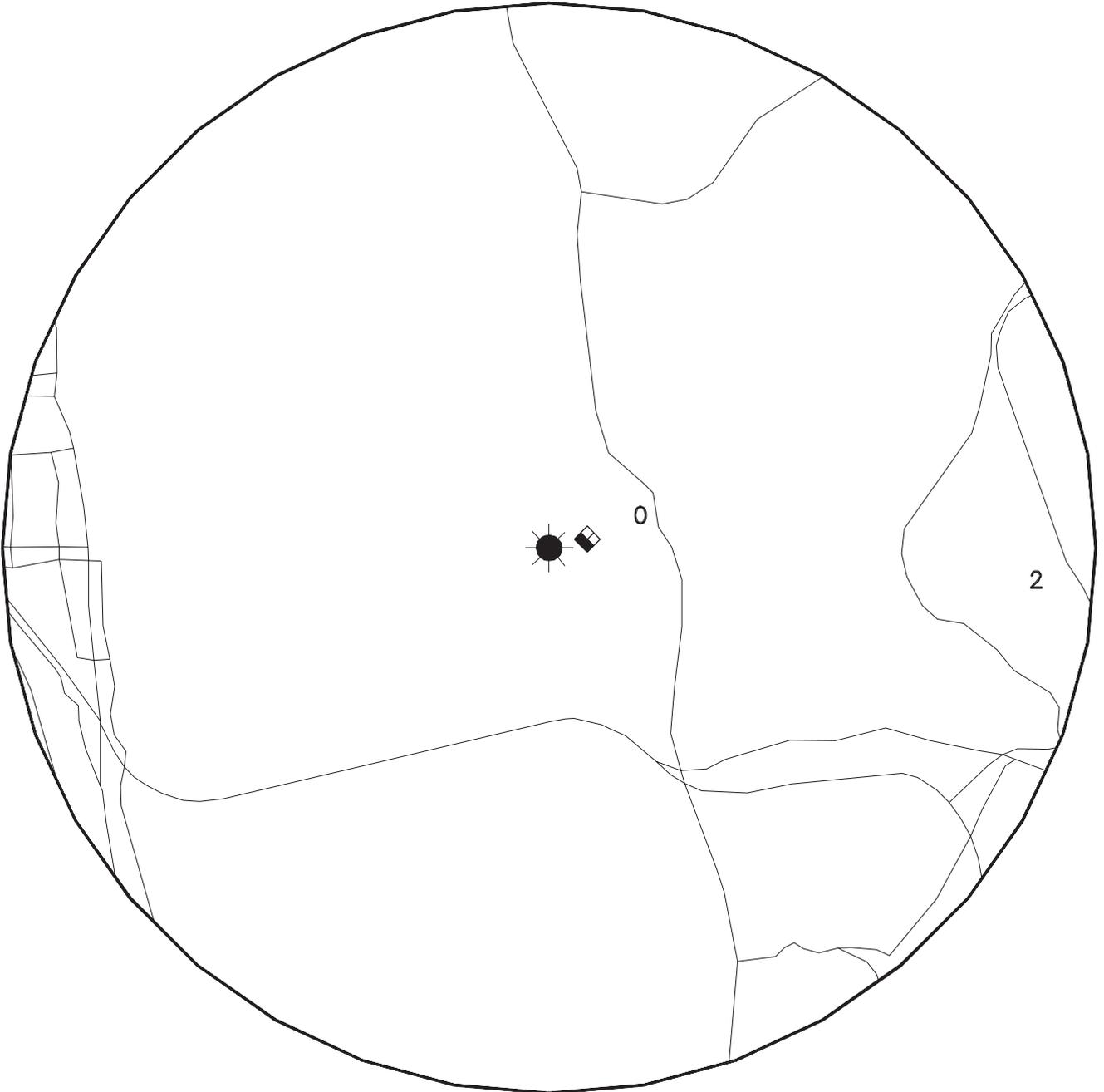


Water  
Release



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: 10591GNRLM199BE

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
GMC CHEVROLET PONTIAC CANADA GROUP SIC DESCRIPTION: MOTOR VEHICLES & CAR BODIES MAP LOCATION NO: 0 SIC CODE: 3711 199 BEEKMAN AVE. NORTH TARRYTOWN NY 10591 2494								
METHANOL	250	22,000	0	0	22,250	0	21,200	21,200
N-BUTYL ALCOHOL	250	100,000	0	0	100,250	0	44,000	44,000
BENZENE	0	250	0	0	250	0	0	0
METHYL ETHYL KETONE	6,500	250	0	0	6,750	0	8,400	8,400
1,2,4-TRIMETHYLBENZENE	250	56,000	0	0	56,250	0	11,400	11,400
CUMENE	1,400	18,000	0	0	19,400	0	1,000	1,000
ETHYLBENZENE	250	47,000	0	0	47,250	0	72,000	72,000
ETHYLENE GLYCOL	250	250	0	0	500	0	750	750
METHYL ISOBUTYL KETONE	250	250	0	0	500	0	117,000	117,000
TOLUENE	1,100	250	0	0	1,350	0	25,400	25,400
XYLENE (MIXED ISOMERS)	1,900	230,000	0	0	231,900	0	330,000	330,000
METHYL TERT-BUTYL ETHER	0	1,400	0	0	1,400	0	0	0
GLYCOL ETHERS	5,600	68,000	0	0	73,600	0	5,150	5,150
ZINC COMPOUNDS	0	0	0	0	0	250	1,000	1,250
SUBTOTALS	18,000	543,650	0	0	561,650	250	637,300	637,550
COCA-COLA BOTTLING CO. OF NEW YORK SIC DESCRIPTION: BOT & CAN SOFT DRNK & CARB WA MAP LOCATION NO: 2 SIC CODE: 2086 555 FAIRVIEW PARK DR. ELMSFORD NY 10523								
PHOSPHORIC ACID	0	0	0	0	0	3,483	0	3,483
SUBTOTALS	0	0	0	0	0	3,483	0	3,483

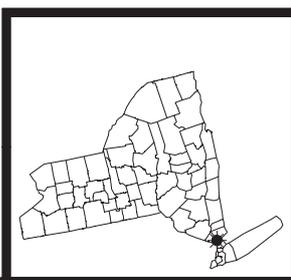
# General Motors N. Tarrytown Westchester County, New York

Latitude: 41 50 N  
Longitude: 73 52 15 W

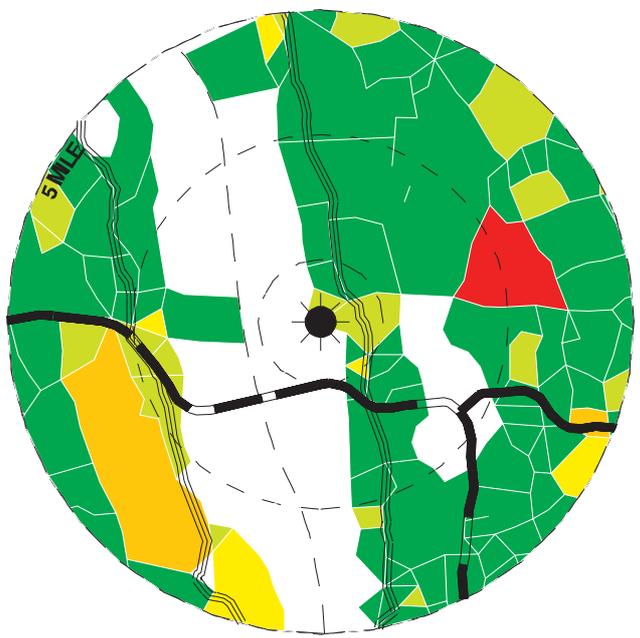
- MAP KEY:**
-  County Boundaries
  -  Inter State Highway
  -  US Highway
  -  Rail Road
  -  One Mile
  -  Three Miles
  -  Five Miles

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

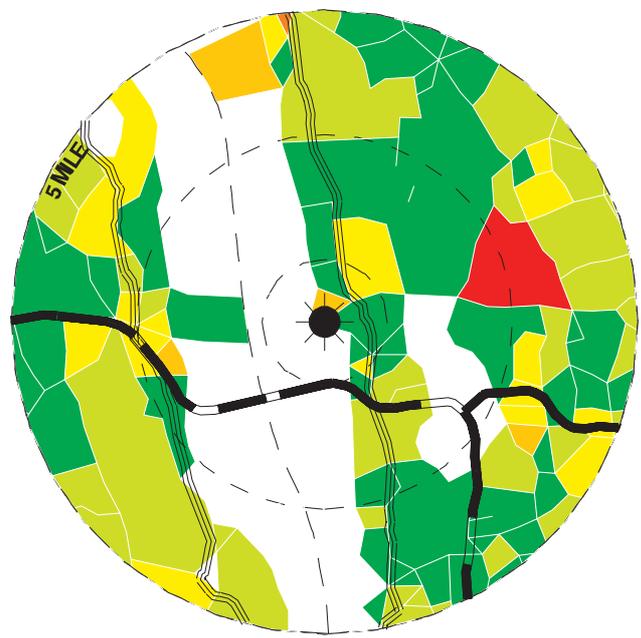
- Minority, poverty, and High School Incomplete percentages**
-  Greater than 50
  -  40 - 50
  -  30 - 40
  -  20 - 30
  -  10 - 20
  -  0 - 10



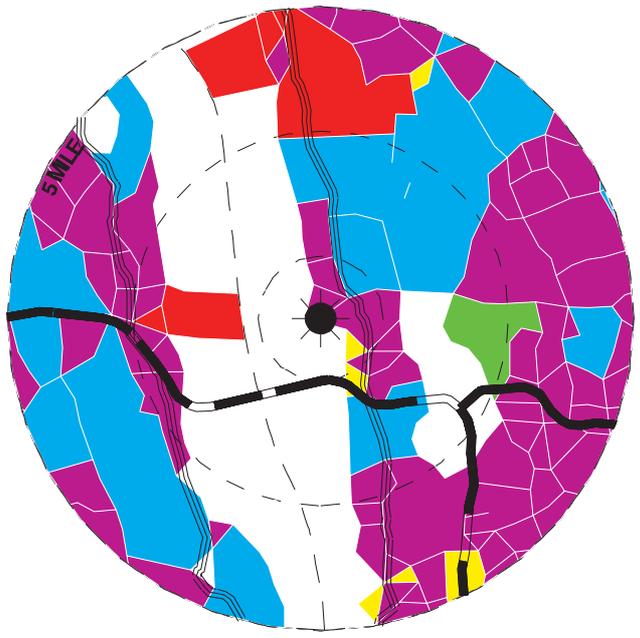
Percentage of Total Population Below Poverty Level



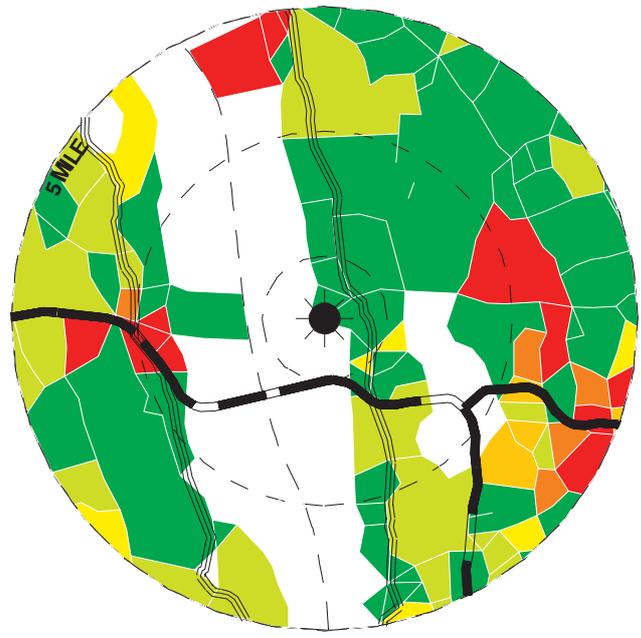
Percentage of Population not Completing High School



Population Density  
People Per Sq. Mile



Minority Population  
Percent of Total Population



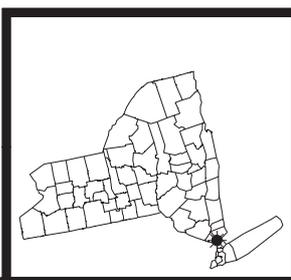
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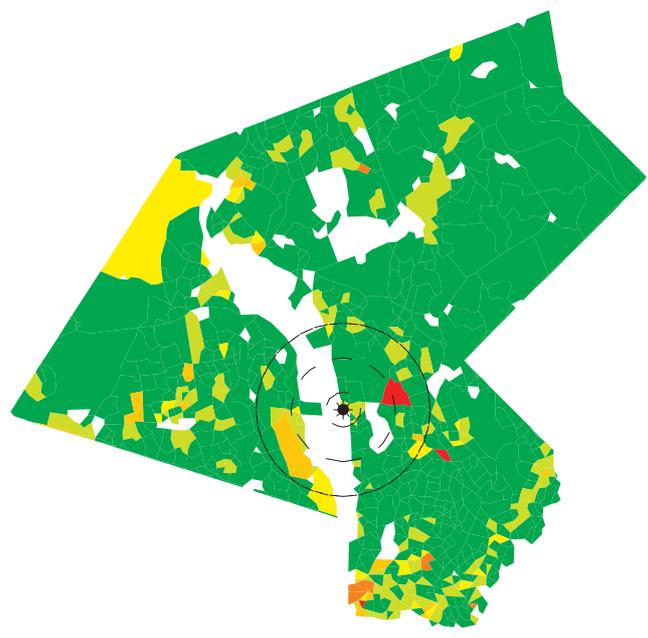
- MAP KEY:**
-  County Boundaries
  -  Inter State Highway
  -  US Highway
  -  Rail Road
  -  One Mile
  -  Three Miles
  -  Five Miles

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

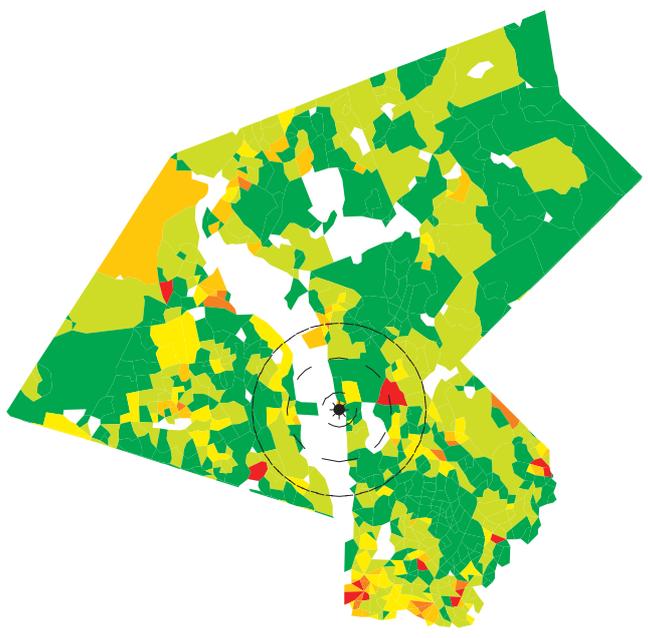
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  -  0 - 10



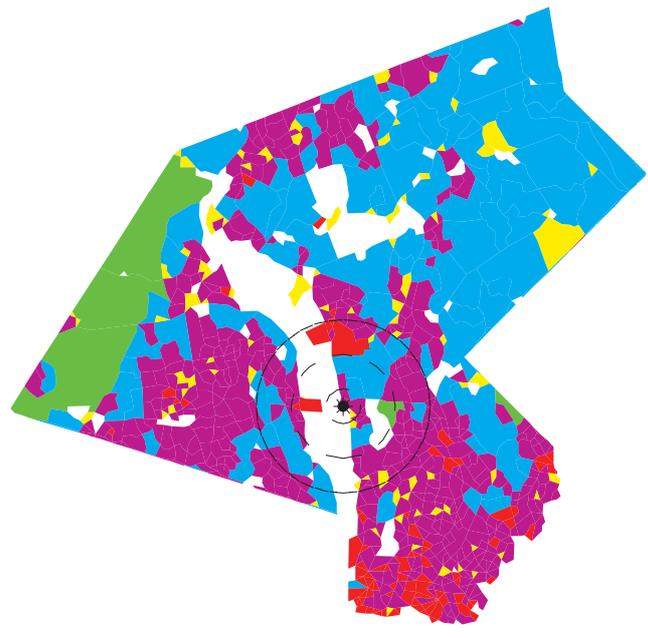
Percentage of Total Population Below Poverty Level



Percentage of Population not Completing High School



Population Density  
People Per Sq. Mile



Minority Population  
Percent of Total Population

