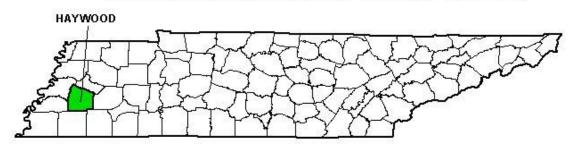
Haywood County Area

Local Air Quality Improvement Plan

Tennessee MSA Areas Pre-2000 Census



Haywood County Area

Haywood County, Tennessee

Geography/Topography

Haywood County has a land area of 533 square miles and is located in the gently rolling terrain of the West Grand Division of the state along the Interstate 40 corridor between Memphis and Jackson. It is contiguous to, but not part of the Memphis, TN-AR-MS MSA. It is located east of Tipton County and north of Fayette County. For purposes of this discussion, Haywood County will be compared with these two Memphis MSA counties.

Meteorological Information

Wind data from Memphis, TN for the period of record from 1988 through 1992 was determined to be representative for Haywood County. The predominate wind direction and speed is from the southwest at 7 to 10 knots (see Figure 1 A). The mean high temperature for July is 92.1 F, while the mean low is 72.9 F. The mean July precipitation is 4.2 inches. The period of record for this data is from 1971 through 2000.

Planning Authority

The authority for air quality planning for Haywood County resides with the Tennessee Department of Environment and Conservation. Transportation planning for Haywood County is performed by the Tennessee Department of Transportation.

Air Monitoring

Preliminary analysis of the 2001-2003 monitoring period has shown an air quality improvement for Haywood County. The ozone monitor (ID#470750003-1) located at 1741 Hillville Loop Road shows an 8-hour design value of 0.081 parts per million (ppm) for the 2001-2003 monitoring period. It is unlikely that after the final quality assurance of the 2003 data the 8-hour design value will change significantly.

For the monitoring period of 2000-2002, the 8-hour design value showed a value of 0.086 ppm. In the July 18, 2003 Governor's recommendation for counties not meeting the ozone standard, Haywood County was recommended as non-attainment for ozone based on the 2000-2002 data. However, after reviewing the most recent data for 2001-2003 the State would propose Haywood County be classified as attainment (see Table 1 A).

Population

Based on projections to 2002 from the 2000 census data, there are 19,655 persons living in Haywood County (see Table 1 C). This indicates a population density of 36.8 persons per square mile. The population of Haywood County is approximately 47.9% rural with the remaining 52.1% living in incorporated areas. The largest cities in Haywood County are Brownsville and Stanton (see Table 1 C).

Haywood County's population from 1990 through 2000 increased by 2.0% (19,414 to 19,797). The population is expected to increase by approximately 3.9% between 2000 and 2010 (see Table 1 B).

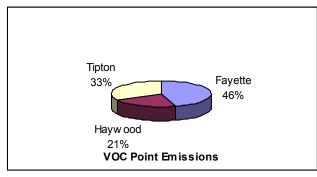
Based on the 2002 population data for Fayette, Haywood and Tipton counties, Haywood County represents approximately 18.8% of the total area population (see Table 1 C).

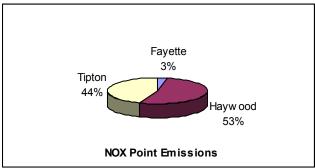
Air Emissions

Point source NOX emissions from Haywood County were estimated at 5.83 ton/day in 1999 which represents approximately 53% of the 11.06 ton/day of overall NOX point source emissions from Fayette, Haywood, and Tipton counties (see Table 1 D).

Point source VOC emissions from Haywood County were estimated at 2.83 ton/day in 1999 which represents approximately 21% of the 13.46 ton/day of overall VOC point source emissions from Fayette, Haywood, and Tipton counties (see Table 1 D).

1999 NEI Point Source Emissions (ton/day)



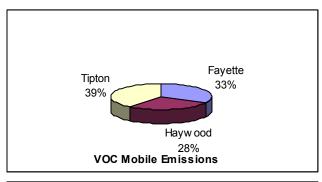


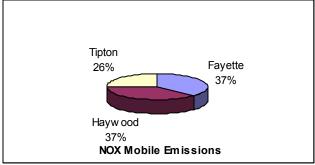
For NOX and VOC control, point sources located within Haywood County are subject to PSD requirements, CTG RACT requirements, Maximum Achievable Control Technology (MACT) requirements for Hazardous Air Pollutants (HAP), and New Source Performance Standards (NSPS).

Mobile source NOX emissions from Haywood County were estimated at 12.13 ton/day in 1999 which represents approximately 37% of the 32.93 ton/day of overall NOX mobile source emissions from Fayette, Haywood, and Tipton counties (see Table 1 D).

Mobile source VOC emissions from Haywood County were estimated at 2.78 ton/day in 1999 which represents approximately 28% of the 10.08 ton/day of overall VOC mobile source emissions from Fayette, Haywood, and Tipton counties (see Table 1 D).

1999 NEI Mobile Source Emissions (ton/day)

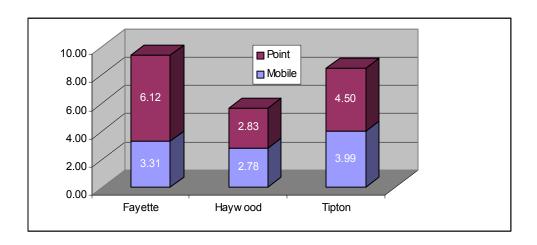




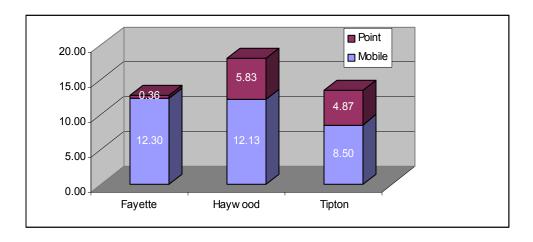
Commuting traffic from surrounding counties into Haywood County is minimal. Commuting traffic from Haywood County into surrounding counties is high.

Commuting Classifications					
Not Significant	0-10%				
Minimal	11-30%				
High	31-50%				
Significant	51% or more				

1999 NEI VOC Contribution (ton/day)



1999 NEI NOX Contribution (ton/day)



Summary

Haywood County has demonstrated attainment for the 8-hour National Ambient Air Quality Standard for ozone. Based on the 2001-2003 ozone design value Haywood County's ozone design value is measured at 0.081 ppm. Although measuring attainment, the County recognizes the importance of air quality to the health and welfare of its citizens. For this reason the local government is volunteering to take measures not required of them to improve air quality.

The County has selected several measures for local implementation. Due to the County's rural nature and few stationary source air pollution emissions, emphasis is being placed on public education. The primary source of NOx in the County is likely Interstate 40, traversing the County's length, east to west. It is possible the second most prevalent NOx source in the County is individual citizen behavior. Efforts on the local level will attempt to target citizen behavior through education and outreach. Through these efforts, and additional local government efforts, the County is attempting to reduce air pollution for its citizens.

Haywood County Area

Figure 1 A Haywood County Area Wind Rose

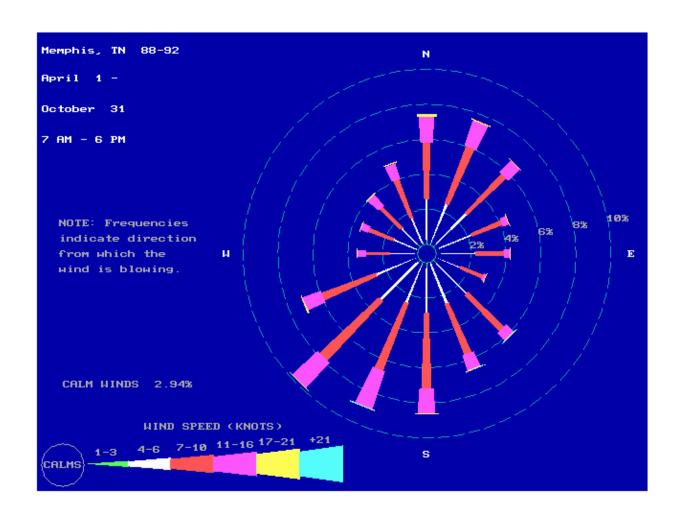


Figure 1 B
Haywood County Area
1999 NEI VOC and NOX Emissions
(ton/day)

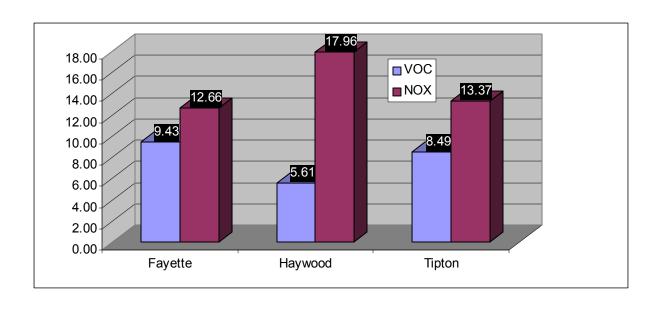


Table 1 A
Haywood County Area
Ozone Design Values
(ppm)

County Site Name	MONITOR ID	1999 2001 Design Value PPM	2000 2002 Design Value PPM	2001 2003 Design Value PPM	
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Table 1 B
Haywood County Area
Population Growth Data

County	Population 1990	Population 2000	PERCENT CHANGE 1990 - 2000	Population 2002	Area in Square Miles	2002 Pop. Density (Sq. Mile)	Projection 2010	% Growth 2000 - 2010
Fayette	25,628	28,806	12.7	31,202	705	44.26	32,236	11.9
Haywood	19,414	19,797	1.9	19,655	533	36.88	20,567	3.9
Tipton	37,861	51,271	36.5	53,436	459	116.42	55,559	8.4

Table 1 C
Haywood County Area
2002 Population Estimates

Tennessee		Estimated Population
Haywood		19,655
* Brownsville	(10,748)	
* Stanton	(615)	
Fayette		31,202
Tipton		53,436

Totals 104,29

^{*} Based on 2000 Census Data

Table 1 D
Haywood County Area
1999 NEI VOC and NOX Emissions
(ton/day)

	VOC				NOX	
County	Mobile	Point	Total	Mobile	Point	Total
Fayette	3.31	6.12	9.43	12.30	0.36	12.66
Haywood	2.78	2.83	5.61	12.13	5.83	17.96
Tipton	3.99	4.50	8.49	8.50	4.87	13.37
TOTAL	10.08	13.46	23.54	32.93	11.06	43.99

Attachment 1