Section 3: Attainment Inventory

3.1 Inventory Description

The attainment inventory should be based on actual "typical summer day" emissions of VOC and NOx. For purposes of the attainment emissions inventory, the state is using 2002 as the baseline attainment year since it is one of the three years (2001, 2002, 2003) on which the 8-hour ozone designation was based. Tables 3-1 and 3-2 summarize the 2002 VOC and NOx emissions totals by source categories which comprise the attainment inventory for the New Orleans Ozone Maintenance Area. The source categories include stationary point, nonpoint, nonroad mobile, and onroad mobile.

Table 3-1: New Orleans Ozone Maintenance Area 2002 VOC (tpd) Emissions Inventory Summary

Sources/ Parishes	Point	Nonpoint	Nonroad	Onroad	Emission Totals
Jefferson	1.36	19.33	14.64	9.58	**44.91**
Orleans	0.60	18.24	12.05	11.46	**42.35**
St. Bernard	9.76	2.75	6.82	1.45	**20.78**
St. Charles	17.95	2.44	7.42	25.98	**53.79**
Source Totals	**29.67**	**42.76**	**40.93**	**48.47**	**161.83**

Table 3-2: New Orleans Ozone Maintenance Area 2002 NOx (tpd) Emissions Inventory Summary

Sources/ Parishes	Point	Nonpoint	Nonroad	Onroad	Emission Totals
Jefferson	63.37	43.03	9.22	12.90	**128.52**
Orleans	19.99	19.73	10.06	17.28	**67.06**
St. Bernard	20.52	0.42	2.13	1.66	**24.73**
St. Charles	103.24	0.13	22.29	38.86	**164.52**
Source Totals	**207.12**	**63.31**	**43.70**	**70.70**	**384.83**

3.2 Projected Emissions Inventory

The 2002 attainment inventory has been grown for the final plan year of 2014 and for the interim years of 2008 and 2011. The 2002 emissions inventory was submitted to EPA for the National Emissions Inventory to comply with the requirements of the Consolidated Emissions Reporting Rule (CERR). Point source and nonpoint growth projections were derived from EGAS 4.0. Nonroad mobile growth projections for SCC codes 2275, 2280, and 2285 were derived from EGAS 4.0; other nonroad mobile growth projections were derived from the National Mobile Inventory Model (NMIM). Onroad mobile projections were discussed in section 2.4.

3.3 Emissions Inventory Summary

Tables 3-3 and 3-4 summarize the 2002 attainment/baseline year and interim emission projections for the years 2008, 2011, and 2014 for the parishes which make up the New Orleans Ozone Maintenance Area[3]. The emissions projections show a downward trend in both VOC and NOx emissions. It should also be noted that emission projections were based on growth of the 2002 emissions inventory which consists of pre-Hurricane Katrina data.

Table 3-3 Summary of VOC Emissions Inventory Baseline (2002) And Projections (2008, 2011, 2014) in Tons per Day

Projection Years/ Source Categories	2002	2008	2011	2014
Point	29.67	31.37	32.83	34.22
Nonpoint	42.76	45.85	47.66	49.38
Nonroad	40.93	32.10	28.82	26.63
Onroad	48.47	31.12	23.77	19.52
Total	**161.83**	**140.44**	**133.08**	**129.75**

[3] Appendix A-2 has the complete tables with all growth projections broken down by Parish and source category.

Table 3-4 Summary of NOx Emissions Inventory Baseline (2002) And Projections (2008, 2011, 2014) in Tons per Day

Projection Years/ Source Categories	2002	2008	2011	2014
Point	207.12	222.07	236.70	251.05
Nonpoint	63.31	66.85	68.99	71.00
Nonroad	43.70	43.23	43.05	42.49
Onroad	70.70	45.28	33.59	24.29
Total	**384.83**	**377.43**	**382.33**	**388.83**