Section 3: Attainment Inventory

3.1 Inventory Description

EPA Guidance dated May 20, 2005 suggests that 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. Table 3-1 summarizes the 2002 VOC and NOx emissions totals by source categories which comprise the attainment inventory for Lafourche Parish. The source categories include stationary point, non-point, non-road mobile, and on-road mobile.

Table 3-1 Lafourche Parish Attainment Inventory - 2002

Sources	VOC (tpd)	NOx (tpd)
Point	1.28	3.76
Non-Point	4.60	0.77
Non-road Mobile	14.52	4.45
On-road Mobile	3.80	5.26
Totals	**24.20**	**14.24**

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 non-point growth projections were derived from EGAS 4.0. Non-road mobile growth projections for SCC codes 2275, 2280, and 2285 were derived from EGAS 4.0; other non-road mobile growth projections were derived from the National Mobile Inventory Model (NMIM). On-road mobile projections were discussed in section 2.4.

3.3 Emissions Inventory Summary

Tables 3-2 and 3-3 summarize the 2002 attainment/baseline year and interim emission projections for the years 2008, 2011 and 2014 for Lafourche Parish. In 2002 VOC emissions totaled approximately 24.20 tpd and NOx emissions totaled approximately 14.24 tpd. Emission projections for future years indicate a downward trend in both VOC and NOx through 2014.

Table 3-2 Lafourche Parish: VOC Emissions Inventory Baseline (2002) and Projections (2008, 2011, 2014) in Tons per Day

Sources	2002 (tpd)	2008 (tpd)	2011 (tpd)	2014 (tpd)
Point	1.28	1.38	1.44	1.50
Non-point	4.60	4.88	5.05	5.21
Non-road Mobile	14.52	11.86	10.54	9.54
On-road Mobile	3.80	2.49	2.05	1.70
Total (tpd)	**24.20**	**20.61**	**19.08**	**17.95**

Table 3-3 Lafourche Parish: NOx Emissions Inventory Baseline (2002) and Projections (2008, 2011, 2014) in Tons per Day

Sources	2002 (tpd)	2008 (tpd)	2011 (tpd)	2014 (tpd)
Point	3.76	4.01	4.13	4.25
Non-point	0.77	0.83	0.87	0.90
Non-road Mobile	4.45	4.76	4.86	4.90
On-road Mobile	5.26	3.46	2.65	2.01
Total (tpd)	**14.24**	**13.06**	**12.51**	**12.06**