

SECTION 5: ATTAINMENT INVENTORY

5.1 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 the 2006 base year attainment inventory that was used in the attainment demonstration published in March 2009. Tables 7 and 8 summarize the 2006 VOC and NOx emissions totals by source categories which comprise the attainment inventory for the BRNA. The source categories include stationary point, nonpoint, nonroad mobile, and onroad mobile.

**Table 7: Baton Rouge Ozone Maintenance Area
2006 VOC (tpd) Emissions Inventory Summary**

Sources/Parishes	Point	Nonpoint	Nonroad	Onroad	Emission Totals
Ascension	20.70	0.81	8.35	4.50	34.36
East Baton Rouge	26.20	1.34	12.98	12.60	53.11
Iberville	22.80	1.03	6.09	3.20	33.12
Livingston	0.20	0.51	1.20	6.00	7.91
West Baton Rouge	3.50	3.60	8.13	3.00	15.00

**Table 8: Baton Rouge Ozone Maintenance Area
2006 NOx (tpd) Emissions Inventory Summary**

Sources/Parishes	Point	Nonpoint	Nonroad	Onroad	Emissions Totals
Ascension	7.80	4.40	0.74	2.90	15.84
East Baton Rouge	15.40	14.12	4.51	8.80	42.83
Iberville	7.10	4.15	0.57	1.30	13.12
Livingston	1.10	5.50	1.28	3.20	11.08
West Baton Rouge	1.70	3.42	6.49	1.40	13.01

5.2 Projected Emissions Inventory

The 2006 attainment inventory has been grown for the final year of 2020 and for the interim years of 2008, 2012, and 2016. The 2006 emission inventory was submitted to EPA for the National Emissions Inventory to comply with the requirements of the CERR. The 2006 base

year point source values are from the LDEQ Emissions Inventory. No growth was assumed for point source emissions. Nonpoint growth projections were derived from EGAS 6.0. Nonroad mobile growth projections for SCC codes 2275, 2280, and 2285 were derived from EGAS 6.0; other nonroad mobile growth projections were derived from NONROAD 2005. Onroad mobile projections were discussed in section 3.4.

5.3 Emissions Inventory Summary

Tables 9 and 10 summarize the 2006 attainment/baseline year and interim emission projections for the years 2008, 2012, 2016, and 2020 for the parishes which make up the BRNA¹⁹. The emissions projections show a downward trend in VOC and NOx emissions.

**Table 9 Summary of VOC Emissions Inventory Baseline (2006)
And Projections (2008, 2012, 2016, 2020) in Tons per Day**

Projection Years/Source Categories	2006	2008	2012	2016	2020
Point	33.10	39.00	39.00	39.00	39.00
Nonpoint	31.59	32.35	33.63	35.58	37.53
Nonroad	13.60	12.59	11.22	10.27	9.79
Onroad	17.60	17.82	10.64	9.70	7.82
Total	95.89	101.76	94.49	94.55	94.14

**Table 10 Summary of NOx Emissions Inventory Baseline (2006)
And Projections (2008, 2012, 2016, 2020) in Tons per Day**

Projection Years/Source Categories	2006	2008	2012	2016	2020
Point	73.40	78.70	78.70	78.70	78.70
Nonpoint	4.05	4.16	4.36	4.53	4.73
Nonroad	36.75	37.45	38.51	39.58	41.36
Onroad	29.30	28.35	18.63	12.08	8.33
Total	143.50	148.66	140.20	134.89	133.12

¹⁹ Appendix E has the complete tables with all growth projections broken down by Parish and source category.