

## **SECTION 6: MAINTENANCE DEMONSTRATION**

### **6.1 Demonstration Requirement**

The maintenance plan must demonstrate that the area will remain in compliance with the 8-hour ozone standard for the ten (10) year period following the effective date of designation. The end projection year for the maintenance plan is ten (10) years from the effective date of the attainment demonstration. The maintenance demonstration is satisfied if the state demonstrates that future emissions inventories are less than the attainment or baseline inventory. The Baton Rouge Ozone Maintenance Area has an effective date of designation of December 31,2008, which means that maintenance must be demonstrated through 2018.

The state has identified the level of precursor emissions in the BRNA that is sufficient to attain the NAAQS, i.e. the 2006 attainment inventory. The state has also established interim emission projections of ozone precursors for the years 2008, 2012, 2016, and 2020 to demonstrate maintenance. A comparison of emission growth projections for VOC and NO<sub>x</sub> through 2020 for the 2006 attainment inventory for the Baton Rouge Ozone Maintenance Area indicates a downward trend in VOC and NO<sub>x</sub> emissions. (See Tables 4-2 and 4-3)

### **6.2 Plan to Maintain Air Quality**

The state has implemented enforceable emission control regulations to ensure continued maintenance of the ozone standard. Control measures also have been developed, promulgated, implemented at the federal level to reduce ozone-forming emissions of VOC and NO<sub>x</sub>. Development and subsequent implementation of other federal measures will result in additional emission reductions of VOC and NO<sub>x</sub> during the 10-year maintenance period. Federal measures which have been implemented or are currently in some phase of implementation include, but are not limited to:

- National VOC Emission Standards for Automobile Refinish Coatings (63 FR 48806)
- National VOC Emission Standards for Consumer Products (63 FR48819)
- National VOC Emission Standards for Architectural Coatings (63 FR 48848)
- Tier 2 Motor Vehicle Emission Standards and Gasoline Sulfur Control Requirements (65 FR 6697)
- Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements (66 FR 5002)
- Control of Emissions from Nonroad Diesel Engines and Fuels (69 FR 38958)
- Clean Air Interstate Rule (70 FR 25162)

The state will continue to research other control options or technologies in order to attain the 2008 ozone standard of 0.075ppm.