

## Section 5: Ambient Air Quality Monitoring

### 5.1 Attainment of the 1-Hour Ozone Standard

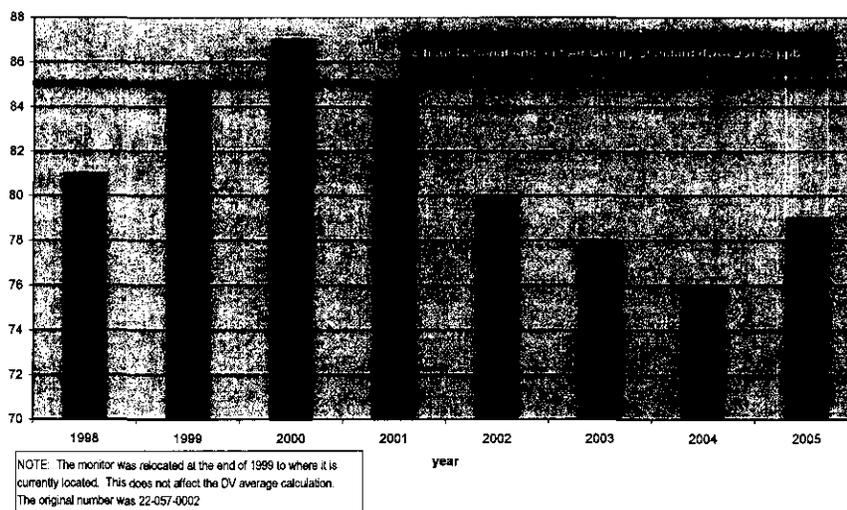
The monitoring site in Lafourche Parish (EPA AQS code 22 057 0004)<sup>3</sup> has been in operation since October 1, 1983 and has been operated in accordance with the requirements of 40 CFR 58 and the EPA-approved Quality Assurance Program Plan. The NAAQS for 1-hour ozone is 120 ppb based on a 1-hour average sample. Because of rounding, a 1-hour monitor reading of 125 ppb is considered an exceedance of the 1-hour ozone standard, whereas a reading of 124 ppb is considered as meeting the standard.

The Lafourche site continued to monitor attainment with the 1-hour ozone NAAQS through the end of calendar year 2005. The most recent three years of ozone monitoring data (2003-2005) for Lafourche Parish indicate an ozone design value of 98 ppb for 2003, 97 ppb for 2004 and 97 ppb for 2005. EPA revoked the 1-hour ozone standard effective June 15, 2005.

### 5.2 Attainment of the 8-Hour Ozone Standard

The NAAQS for 8-hour ozone is 80 ppb based on the three-year average of the fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area. An 8-hour monitor reading of 85 ppb is considered an exceedance of the 8-hour ozone standard and a reading of 84 ppb is considered as meeting the standard. Figure 2 illustrates the trend in 8-hour ozone design values in ppb for the Lafourche site from 1998 through 2005.

**FIGURE 2: THIBODAUX SITE  
LAFOURCHE PARISH  
OZONE DESIGN VALUES (DV) 1998 - 2005**



<sup>3</sup>This monitor was originally placed at the corner of Madewood Drive and Ardoyne Street. The reference number for that site is 22-057-0002