

Section 5: Ambient Air Quality Monitoring

5.1 Attainment of the 1-Hour Ozone Standard

The Bentley monitoring site in Grant Parish (EPA AQS code 22 043 0001) has been in operation since 1989 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 parts per billion (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 Bentley site continued to monitor attainment with the 1-hour ozone NAAQS until the monitor was destroyed by fire on August 13, 2005. EPA revoked the 1-hour ozone standard effective June 15, 2005. The most recent three years of complete 1-hour ozone monitoring data (2002-2004) for Grant Parish indicate ozone design values of 92 ppb for 2002, 89 ppb for 2003 and 86 ppb for 2004. See Figure 2 below.

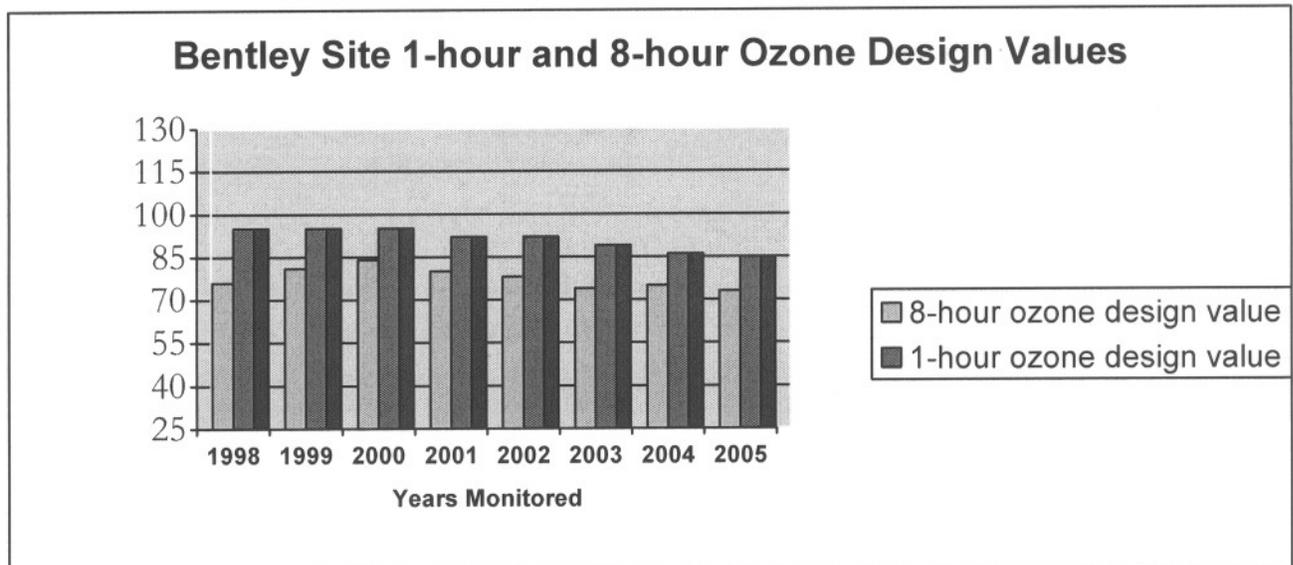


Figure 2: Bentley Site 1-hour and 8-hour Ozone Design Values

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. A detailed list of these design values is contained in Table 5-1 at the end of this section.