

INTEROFFICE MEMORANDUM

Date: August 05, 2005
 To: Arthur L. Williams, Director
 From: Arthur Chang, Technical Services Supervisor
 Re: July 2005 FRM PM_{2.5} Monitoring Update Report

This is a report of July 2005 Federal Reference Method PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

July 2005

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

| | Daily Maximum | Daily Minimum | | Monthly |
|------------------|-------------------------|-------------------------|-----------------|----------------|
| Site Name | Conc. & Date | Conc. & Date | Run Time | Average |
| Southwick | 34.7 (07/24) | 9.7 (07/28) | 93.5 % | 19.4 |
| Wyandotte | 32.1 (07/24) | 9.2 (07/28) | 96.8 % | 19.7 |
| Barret | 35.2 (07/24) | 10.1 (07/18) | 100.0 % | 19.1 |
| Watson | 28.9 (07/14) | 15.0 (07/28) | 100.0 % | 22.5 |
| Overall | | | | 19.7 |

The 24-hour average standard is 65 µg/m³.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

| Site Name | Annual Mean (ug/m³) | | | | | | | Annual Design Values (1999-2001) | Annual Design Values (2000-2002) | Annual Design Values (2001-2003) | Annual Design Values (2002-2004) | Annual Design Values (2003-2005)³ |
|---|---------------------------------------|-------------|-------------|-------------|----------------------------|-------------|-------------|---|---|---|---|---|
| | 2005 Year-To-Date | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | | | | | |
| Southwick/ <i>Firearms Trn¹</i> | 16.1 | 14.6 | 15.4 | 17.2 | 17.1/ 18.7 ¹ | 17.3 | 17.5 | N/A | N/A | N/A | 15.7² | ~15.3² |
| Wyandotte | 15.5 | 14.1 | 15.2 | 17.5 | 17.7 | 16.7 | 16.9 | 17.1² | 17.3² | 16.8² | 15.6 | ~14.9 |
| Barret | 15.6 | 14.0 | 15.2 | 16.3 | 16.9 | 16.7 | 17.2 | 16.9 | 16.6 | 16.1 | 15.1 | ~14.9 |
| Watson | 16.0 | 12.7 | 15.1 | 15.3 | 16.3 | 16.8 | 15.2 | 16.1 | 16.1 | 15.5 | 14.3 | ~14.6 |

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Year-to-date data for 2005.