

Appendix G

Chico PM2.5 Three Year Seasonal Monitoring Data

In the following Tables 4a, 4b & 4c show the PM2.5 seasonal data when “No Burn” threshold values are greater than 25.5 ug/m³, 30.5 ug/m³ and 35.5 ug/m³ for the Chico monitoring site for the past three (3) years.

| Table 4a Chico PM2.5 Seasonal Data November 2008 – February 2009 | | | |
|---|---|---|---|
| Date | Days above 25.5 ug/m³ | Days above 30.5 ug/m³ | Days above 35.5 ug/m³ |
| 11/11/08 | 27.8 | | |
| 11/22/08 | 33.7 | 33.7 | |
| 11/23/08 | 45.2 | 45.2 | 45.2 |
| 11/24/08 | 31.2 | 31.2 | |
| 11/25/08 | 36.2 | 36.2 | 36.2 |
| 11/26/08 | 34.8 | 34.8 | |
| 11/27/08 | 32.9 | 32.9 | |
| 11/28/08 | 37 | 37 | 37 |
| 11/30/08 | 28.5 | | |
| 12/1/08 | 38.9 | 38.9 | 38.9 |
| 12/2/08 | 26.1 | | |
| 12/3/08 | 25.8 | | |
| 12/4/08 | 26.2 | | |
| 12/5/08 | 41.3 | 41.3 | 41.3 |
| 12/6/08 | 48 | 48 | 48 |
| 12/9/08 | 40.5 | 40.5 | 40.5 |
| 12/10/08 | 38.3 | 38.3 | 38.3 |
| 12/11/08 | 60.6 | 60.6 | 60.6 |
| 12/12/08 | 45.7 | 45.7 | 45.7 |
| 12/17/08 | 42.5 | 42.5 | 42.5 |
| 12/18/08 | 36.6 | 36.6 | 36.6 |
| 12/23/08 | 28.8 | | |
| 12/26/08 | 37 | 37 | 37 |
| 12/27/08 | 30 | | |
| 12/29/08 | 26.7 | | |
| 1/4/09 | 38 | 38 | 38 |
| 1/7/09 | 30 | | |
| 1/10/09 | 54.2 | 54.2 | 54.2 |
| 1/11/09 | 34.1 | 34.1 | |
| 1/13/09 | 33.2 | 33.2 | |
| 1/14/09 | 46.4 | 46.4 | 46.4 |
| 1/15/09 | 33.6 | 33.6 | |
| 1/17/09 | 36.1 | 36.1 | 36.1 |
| 1/18/09 | 31.1 | 31.1 | |
| 1/19/09 | 27.8 | | |
| 1/21/09 | 29.6 | | |
| 1/30/09 | 49.3 | 49.3 | 49.3 |
| 1/31/09 | 31.2 | 31.2 | |
| 2/4/09 | 26.4 | | |
| Total “No Burn” days | 39 | 27 | 18 |

| Table 4b Chico PM2.5 Seasonal Data November 2007 – February 2008 | | | |
|---|---|---|---|
| Date | Days above 25.5 ug/m³ | Days above 30.5 ug/m³ | Days above 35.5 ug/m³ |
| 11/22/07 | 25.5 | | |
| 11/24/07 | 40 | 40 | 40 |
| 11/23/07 | 45.2 | 45.2 | 45.2 |
| 11/25/07 | 48.3 | 48.3 | 48.3 |
| 11/26/07 | 43 | 43 | 43 |
| 11/27/07 | 32.9 | 32.9 | |
| 12/1/07 | 26.4 | | |
| 12/2/07 | 26.1 | | |
| 12/12/07 | 33.5 | 33.5 | |
| 12/13/07 | 39 | 39 | 39 |
| 12/14/07 | 59.5 | 59.5 | 59.5 |
| 12/15/07 | 66.5 | 66.5 | 66.5 |
| 12/16/07 | 35.7 | 35.7 | 35.7 |
| 12/22/07 | 37.7 | 37.7 | 37.7 |
| 12/23/07 | 35.7 | 35.7 | 35.7 |
| 1/1/08 | 39.6 | 39.6 | 39.6 |
| 1/2/08 | 64.3 | 64.3 | 64.3 |
| 1/13/08 | 34.3 | 34.3 | |
| 1/14/08 | 53.1 | 53.1 | 53.1 |
| 1/18/08 | 46.9 | 46.9 | 46.9 |
| 1/19/08 | 76 | 76 | 76 |
| 1/20/08 | 58.4 | 58.4 | 58.4 |
| 2/6/08 | 25.8 | | |
| 2/7/08 | 43.4 | 43.4 | 43.4 |
| 2/9/08 | 43.2 | 43.2 | 43.2 |
| 2/10/08 | 35.5 | 35.5 | 35.5 |
| 2/12/08 | 26.3 | | |
| 2/16/08 | 34.5 | 34.5 | |
| 2/17/08 | 36 | 36 | 36 |
| 2/18/08 | 27.6 | | |
| Total "No Burn" days | 30 | 24 | 20 |

| Table 4c Chico PM2.5 Seasonal Data November 2006 – February 2007 | | | |
|---|---|---|---|
| Date | Days above 25.5 ug/m³ | Days above 30.5 ug/m³ | Days above 35.5 ug/m³ |
| 11/1/06 | 27 | | |
| 11/19/06 | 35.6 | 35.6 | 35.6 |
| 11/24/06 | 31.1 | 31.1 | |
| 11/25/06 | 48.9 | 48.9 | 48.9 |
| 11/30/06 | 43.9 | 43.9 | 43.9 |
| 12/2/06 | 30.4 | | |
| 12/3/06 | 63.5 | 63.5 | 63.5 |
| 12/4/06 | 70.1 | 70.1 | 70.1 |
| 12/5/06 | 56.7 | 56.7 | 56.7 |
| 12/6/06 | 58.9 | 58.9 | 58.9 |
| 12/7/06 | 73.6 | 73.6 | 73.6 |
| 12/8/06 | 39.1 | 39.1 | 39.1 |
| 12/17/06 | 34.7 | 34.7 | |
| 12/18/06 | 35.4 | 35.4 | |
| 12/19/06 | 59.4 | 59.4 | 59.4 |
| 12/20/06 | 42.8 | 42.8 | 42.8 |
| 12/21/06 | 37.1 | 37.1 | 37.1 |
| 12/24/06 | 45.5 | 45.5 | 45.5 |
| 12/25/06 | 39 | 39 | 39 |
| 12/29/06 | 40.8 | 40.8 | 40.8 |
| 12/30/06 | 65.9 | 65.9 | 65.9 |
| 12/31/06 | 65.2 | 65.2 | 65.2 |
| 1/1/07 | 34.4 | 34.4 | |
| 1/2/07 | 64 | 64 | 64 |
| 1/3/07 | 36.8 | 36.8 | 36.8 |
| 1/6/07 | 33.7 | 33.7 | |
| 1/7/07 | 33.3 | 33.3 | |
| 1/8/07 | 29.4 | | |
| 1/9/07 | 80.2 | 80.2 | 80.2 |
| 1/10/07 | 28.3 | | |
| 1/13/07 | 37.6 | 37.6 | 37.6 |
| 1/14/07 | 54.9 | 54.9 | 54.9 |
| 1/15/07 | 49 | 49 | 49 |
| 1/16/07 | 52.5 | 52.5 | 52.5 |
| 1/18/07 | 29.8 | | |
| 1/19/07 | 59 | 59 | 59 |
| 1/20/07 | 29.9 | | |
| 1/21/07 | 34.7 | 34.7 | |
| 1/22/07 | 59.6 | 59.6 | 59.6 |
| 1/23/07 | 46.3 | 46.3 | 46.3 |
| Sub-Total "No Burn" days | 40 | 34 | 27 |

| Table 4c Chico PM2.5 Seasonal Data (continued) | | | |
|---|---|---|---|
| November 2006 – February 2007 | | | |
| Date | Days above 25.5 ug/m³ | Days above 30.5 ug/m³ | Days above 35.5 ug/m³ |
| 1/24/07 | 61.5 | 61.5 | 61.5 |
| 1/25/07 | 45.5 | 45.5 | 45.5 |
| 1/26/07 | 61.7 | 61.7 | 61.7 |
| 1/27/07 | 69.8 | 69.8 | 69.8 |
| 1/28/07 | 49.7 | 49.7 | 49.7 |
| 1/29/07 | 29.5 | | |
| 1/30/07 | 38.9 | 38.9 | 38.9 |
| 1/31/07 | 54.5 | 54.5 | 54.5 |
| 2/1/07 | 45.3 | 45.3 | 45.3 |
| 2/2/07 | 51.8 | 51.8 | 51.8 |
| 2/3/07 | 49.7 | 49.7 | 49.7 |
| 2/4/07 | 53.1 | 53.1 | 53.1 |
| 2/5/07 | 38.3 | 38.3 | 38.3 |
| 2/6/07 | 33.4 | 33.4 | |
| Total “No Burn” days | 54 | 47 | 39 |

Review of the data in the tables above gives evidence to the increase number in “No Burn” days that can be expected as the “No Burn” threshold value is lowered.

| Chico PM2.5 Seasonal Data | Days above 25.5 ug/m³ | Days above 30.5 ug/m³ | Days above 35.5 ug/m³ |
|--------------------------------------|---|---|---|
| 2008 - 2009 | 39 | 27 | 18 |
| 2007 - 2008 | 30 | 24 | 20 |
| 2006 - 2007 | 54 | 47 | 39 |
| Three Year Average | 41 | 33 | 26 |

Averaging of the three years of data provides a reasonable estimate of the number of “No Burn” days that can be expected for each of the threshold values.