



GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT

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April 22, 2015

Jen Daugherty
Associate Planner
Town of Mammoth Lakes
P.O. Box 1609
Mammoth Lakes, CA 93546

RE: 2014-2015 Mammoth Lakes PM10 and Meteorological Summary

Dear Ms. Daugherty:

The Great Basin Unified Air Pollution Control District (GBUAPCD) has monitored air quality in the Town of Mammoth Lakes (Town) since 1984. We recently finalized the data completing the 2014-2015 air monitoring year ending March 15, 2015. We are pleased to provide you this summary of air quality measurements recorded by GBUAPCD between March 16, 2014 and March 15, 2015.

During this period, the federal PM10 standard (150 $\mu\text{g}/\text{m}^3$ for a 24-hour average) was never exceeded. State PM10 standards (50 $\mu\text{g}/\text{m}^3$ for a 24-hour average) were exceeded on three (3) days. All three (3) of these state exceedances were due to wildfire smoke impacts from the French Fire in July and the King Fire in September. There were zero (0) exceedances of the state standard during the winter months. Exceedance days and PM10 levels are listed in the Table 1 below for the 14-15 air monitoring year. Exceedances summaries for the last six (6) years for comparison purposes are listed in Table 2 below.

Date	PM10 Average ($\mu\text{g}/\text{m}^3$)
**8/1/2014	62
**8/2/2014	131
**9/19/2014	57

**Denotes wildfire smoke.

Air Monitoring Year	Federal PM10 Exceedances ($>150 \mu\text{g}/\text{m}^3$)	State PM10 Exceedances ($>50 \mu\text{g}/\text{m}^3$)
09-10	0	25
10-11	0	33
11-12	0	5
12-13	0	19
13-14	2	15
14-15	0	3

The attached graph shows daily average PM10 values during 2014 - 2015 superimposed on values from the previous two (2) years for timing comparison purposes.

Historically, large scale wildfires in the Mammoth Lakes area have been infrequent events. Prior to the Aspen and Rim fires in 2013 and the French and King fires in 2014, the most recent fire impacting the community of Mammoth Lakes at levels surpassing the federal PM10 standard was the Rainbow fire in 1992. Elevated PM10 levels from wildfire smoke during the summer months of 2014 were the cause of all state exceedances during this monitoring year. Due to prevailing southerly winds during this time of year, smoke impacts to the Town were minimal. The elevated particulate levels above the state standard from these fires occurred due to a change in wind direction from the west and north. Had the prevailing winds not been from a southerly direction during this period, smoke impacts would have been much more severe.

Please contact me with any questions you may have.

Thank you,

A handwritten signature in blue ink, appearing to read "Phillip L. Kiddoo", with a long horizontal flourish extending to the right.

Phillip L. Kiddoo
Air Pollution Control Officer

Enc.

1504221



Town of Mammoth Lakes - PM10

March 16, 2013 - March 15, 2014

— Federal PM10 Standard State PM10 Standard 12-13 13-14 14-15

