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State of New Mexico  
Office of the Governor

EXTERNAL AFFAIRS DIVISION

Bill Richardson  
Governor

December 1, 2010

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Dr. Alfredo Armendariz  
Regional Administrator (6-A)  
U.S. Environmental Protection Agency, Region 6  
1445 Ross Avenue, Suite 1200  
Dallas, TX 75202-2733

Dear Dr. Armendariz,

This letter is submitted to fulfill New Mexico's requirements under Section 107 (d)(1) of the Clean Air Act. The Clean Air Act requires all state governors to submit initial designations within one year of the promulgation of a new or revised National Ambient Air Quality Standard (NAAQS). The U.S. Environmental Protection Agency promulgated in January 2010 a revised NAAQS for nitrogen dioxide (NO<sub>2</sub>).

The New Mexico Environment Department (NMED) evaluated 2007 through 2009 ambient monitoring data with respect to the revised NO<sub>2</sub> NAAQS, and finds that all areas of New Mexico, within the jurisdiction of NMED, are in compliance. I recommend attainment status for the revised NO<sub>2</sub> NAAQS for all areas of New Mexico within the jurisdiction of NMED.

Sincerely,

Bill Richardson  
Governor of New Mexico

cc: Mr. Ron Curry, Secretary, New Mexico Environment Department  
Ms. Mary Uhl, Bureau Chief, Air Quality Bureau  
Mr. Jim Norton, Acting Division Director, Environmental Protection Division  
Ms. Mary Lou Leonard, Director, Environmental Health Department, City of Albuquerque

BR/pp

## Justification for Attainment Designations in New Mexico for Nitrogen Dioxide National Ambient Air Quality Standard

The State of New Mexico believes that there is sufficient monitoring data presently available to designate all counties with nitrogen dioxide (NO<sub>2</sub>) monitors under the New Mexico Environment Department's (NMED) jurisdiction as attainment rather than unclassifiable for the 1-hour NO<sub>2</sub> National Ambient Air Quality Standard (NAAQS). Based on the current NO<sub>2</sub> monitoring network (Table 1) for the state and the core base statistical area (CBSA) populations (Table 2) under NMED's jurisdiction, NMED finds that no additional monitors will be required for tier-one (near-road) or tier-two (area-wide) monitoring at this time. The current monitoring network in New Mexico (Map A) includes monitors located in areas of the state with the maximum expected NO<sub>2</sub> concentrations based on locations of sources of NO<sub>2</sub>. These monitored areas include the northwestern (Map B) and southeastern (Map C) regions of the state where the major sources of NO<sub>2</sub> emissions are located.

Due to lack of additional required monitoring for near-road and area-wide sources and the fact that all of the current monitors within the state's network are in compliance with the 1-hour NO<sub>2</sub> NAAQS, all counties with NO<sub>2</sub> monitors in New Mexico under NMED's jurisdiction should be designated as attainment rather than unclassifiable.

**Table 1: NO<sub>2</sub> Monitoring Locations and Design Values**

| <u>Name</u>                      | <u>AIRS Monitor ID</u> | <u>Monitoring Period</u> | <u>*Annual Design Value (ppb)</u> |
|----------------------------------|------------------------|--------------------------|-----------------------------------|
| Waterflow, NM                    | 35-045-1005            | 3/97-Present             | 38.0                              |
| Bloomfield, NM                   | 35-045-0009            | 7/96-Present             | 41.6                              |
| Navajo Lake<br>(San Juan County) | 35-045-0018            | 11/05-Present            | 41.3                              |
| Rio Rancho, NM                   | 35-043-1003            | 1/99-8/09                | **42.6                            |
| Artesia, NM                      | 35-049-0020            | 1/92-5/09                | **29.3                            |
| Carlsbad, NM                     | 35-015-1005            | 1/07-Present             | 22.0                              |
| Hobbs, NM                        | 35-025-0008            | 8/04-Present             | 42.3                              |
| Sunland Park, NM                 | 35-013-0021            | 2/96-Present             | 53.3                              |
| Santa Teresa, NM                 | 35-013-0022            | 10/98-Present            | 42.6                              |
| Deming, NM                       | 35-029-0003            | 7/06-Present             | 32.3                              |

\* 2007-2009 Monitoring Data

\*\* Do not have three complete years of data for 2007-2009



# MAP B

## NW NOx Monitoring Sites and Sources Greater than or Equal to 250 Tons per Year



