

The purpose of this document is to provide information concerning the operation of the ambient air monitoring network by the New Mexico Environment Department (NMED) Air Quality Bureau (AQB) in 2008.

Under 40 CFR, Part 58, Subpart B, States are required to submit an annual monitoring network review to the Environmental Protection Agency (EPA) regional office in Dallas Texas. This network plan is required to provide the framework for establishment and maintenance of an air quality surveillance system. The annual monitoring network plan must be made available for public inspection for at least 30 days prior to submission to EPA.

## **Overview**

In 2008 the Bureau operated 30 criteria air pollutant monitoring sites located in 11 of the State's 33 counties. All air monitoring locations are sited in major population centers or near known pollution sources. The Ambient Air Monitoring Section is working with a full-time staff of six; there is one vacancy.

Table 1 contains a listing of all New Mexico Environment Department, Air Quality Bureau ambient air monitoring sites .

## **PM2.5 FRM Network**

The Bureau operated nine PM2.5 FRMs at eight monitoring locations in 2008.

Farmington	35-045-0006	(Collocation)
Rio Rancho	35-043-1003	
Santa Fe	35-049-0020	
Roswell	35-005-0005	
Hobbs	35-025-0008	
Las Cruces	35-013-0025	
Sunland Park	35-013-0017	
Silver City	35-017-1002	

The Farmington site continues to operate the only collocated sampler in our FRM PM2.5 network.

### **Continuous PM2.5 Network**

The Bureau operated continuous TEOM analyzers for PM2.5 at eleven monitoring locations.

Santa Fe Runnels	35-049-0020	(Collocated with FRM)
Taos	35-055-0005	
Carlsbad	35-015-1005	
Anthony	35-013-0016	
Sunland Park	35-013-0017	(Collocated with FRM)
Desert View	35-013-0021	
Santa Teresa	35-013-0022	
Hobbs	35-025-0008	
Navajo Lake	35-045-0018	
Los Lunas	35-061-0008	
Santa Fe Airport	35-049-0021	

### **PM10 FRM Network**

The Bureau operated a total of 13 PM10 samplers at 11 monitoring locations at the end of 2008.

Farmington	35-045-0006	
Bernalillo	35-043-0001	
Santa Fe	35-049-0020	(Collocation)
Taos	35-055-0005	
Roswell	35-005-0005	
Hobbs	35-025-0008	
Anthony	35-013-0016	
Sunland Park	35-013-0017	
Deming	35-029-0001	(Collocation)
Hurley	35-017-0009	
Silver City	35-017-1002	

The northern counties continue to report relatively low values when compared to the southern counties.

### **Continuous PM10 Network**

The Bureau operated a total of six continuous TEOM PM10 analyzers at the end of 2008.

Anthony	35-013-0016
Sunland Park	35-013-0017
Chaparral	35-013-0020
Holman Road	35-013-0019
West Mesa	35-013-0024
Deming Airport	35-029-0003

### **CO Network**

The Bureau no longer conducts carbon monoxide monitoring.

### **SO2 Network**

The Bureau operated a total of four SO2 monitoring stations in 2008.

Substation	35-045-1005
Bloomfield	35-045-1009
Artesia	35-015-1004
Hurley	35-017-1003

### **NO2 Network**

The Bureau operated a total of ten NO2 monitoring stations at the end of 2008.

Substation	35-045-1005
Bloomfield	35-045-1009
Rio Rancho	35-043-1003
Artesia	35-015-1004
Carlsbad	35-015-1005
Desert View	35-013-0021
Santa Teresa	35-013-0022
Hobbs	35-025-0008
Navajo Lake	35-045-0018
Deming Airport	35-029-0003

### **O3 Network**

The Bureau operated fifteen O3 monitoring stations in our statewide network at the end of 2008.

Substation	35-045-1005
Bloomfield	35-045-0009
Bernalillo	35-043-1001
Rio Rancho	35-043-1003
Carlsbad	35-015-1005
La Union	35-013-0008
Solano Road	35-013-0023
Sunland Park	35-013-0017
Chaparral	35-013-0020
Desert View	35-013-0021
Santa Teresa	35-013-0022
Hobbs	35-025-0008
Navajo Lake	35-045-0018
Deming Airport	35-029-0003
Santa Fe Airport	35-049-0021

A co-located ozone monitor was installed at the Navajo Lake site on November 13, 2008.

### **Network Changes**

Anticipated changes to the monitoring network during 2009 include relocation of the Rio Rancho site and the installation of an ozone monitor at the Los Lunas site.

Relocation of the Farmington PM site (35-045-0006) was necessary due to an NMED office move in September of 2008. The AQS# of the new site is (35-045-0019).

### **Other Projects**

Northern air monitoring staff continues a second EPA-sponsored project to collect passive ammonia monitoring project in San Juan County, New Mexico. This project will hopefully continue for the next two years.

A nephelometer was installed at the Navajo Lake site in 2008.

## **Summary**

The entire monitoring station at Rio Rancho will need to be relocated in the near future. Construction of apartment units immediately adjacent to the site has impacted siting criteria. Section staff is still looking for another suitable monitoring location in the Rio Rancho area. Recently AQB has been involved in communications with the village of Corrales in an effort to find a location there.

Depending on funding decisions, AQB will scrutinize its investment and operation of all of its monitoring sites and pollutants. Our intention is to keep focus on pollutants of concern while being sure to continue to serve the needs and to satisfy the expectations of the New Mexico communities. AQB will inform Region VI staff of our plans early in the process to make sure that state and federal priorities continue to be aligned.

## **Other Issues; Pb Monitoring**

According to emissions inventory data, New Mexico has no sources emitting more than 1.0 T/Yr. In fact, the value from the highest emitter, the Prewitt Escalante Generating Station, is only 0.022 T/Yr.

As a consequence, NMED / AQB does not intend to conduct source-oriented monitoring for Pb.

Regarding CBSA-based Pb monitoring, NMED jurisdictions have not been deemed as CBSA candidates.

Any comments pertaining to this document should be sent to the following contact:

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