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September 12, 2014

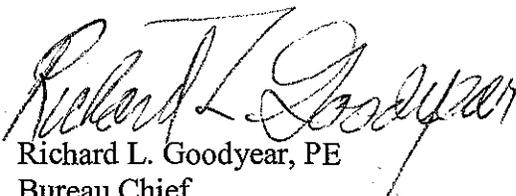
Mark Hansen  
Acting Associate Director for Air Programs  
USEPA Region 6-6PDQ  
1445 Ross Avenue, Suite 1200  
Dallas, Texas 75202

Dear Mr. Hansen:

The purpose of the attached 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 2013/14.

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. The plan was posted August 4, 2014 through September 4, 2014. No comments were received.

Regards,

  
Richard L. Goodyear, PE  
Bureau Chief  
Air Quality Bureau

**2014 Network Review  
Air Quality Bureau  
New Mexico Environment Department  
July 1, 2014**

**Prepared by  
Roman Szkoda, Manager, Ambient Air Monitoring Program**

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 2013.

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 review is required to provide the framework for establishment and maintenance of an air quality surveillance system. The annual monitoring network review must be made available for public inspection for at least 30 days prior to submission to EPA.

## **1.0 Overview**

At the end of 2013 the Bureau operated 26 criteria air pollutant monitoring sites located in 12 of the State's 33 counties. Each air monitoring location is sited to meet the three basic monitoring objectives and at least one of the six federal criteria for ambient air monitoring networks.

In 2013 the Ambient Air Monitoring Section worked with a full-time staff of six, holding two vacancies.

Table 1 (Network Element Worksheet) contains a listing of all New Mexico Environment Department, Air Quality Bureau ambient air monitoring sites operating at the end of 2013.

## **2.0 PM2.5 FRM Network**

The Bureau operated five PM2.5 FRMs at five monitoring locations at the end of 2013. The Bureau requests upgrading from Partisol 2025 PM2.5 samplers to BAM 1020 FEM PM2.5 samplers where indicated for increased efficiency and cost savings, as discussed on May 8<sup>th</sup> and 9<sup>th</sup> 2014 teleconference with EPA Region VI. NMED has evaluated the network monitoring sites for compliance in meeting siting criteria per 40 CFR 58, App. E., and has concerns with the Hobbs site due to the car port installed adjacent to the monitoring site. We will re-evaluate the site and make necessary improvements where possible to meet the requirement or look into locations that would be more optimal for monitoring.

**Farmington** 35-045-0019 (Primary), Parameter 88101, Method 118, POC 1

**Farmington** 35-045-0019 (Collocation), Parameter 88101, Method 118, POC 2

Due to historically low PM<sub>2.5</sub> concentrations, the Bureau requests to decommission sampling at the Farmington 1FO site. No replacement is anticipated for 2014.

**Santa Fe (Runnels)** 35-049-0020 Parameter 88101, Method 118, POC 1

Due to historically low PM<sub>2.5</sub> concentrations, the Bureau intends to decommission the PM<sub>2.5</sub> FRM located in Santa Fe on the Runnels building per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments, and as there is a continuous PM<sub>2.5</sub> sampler located at the Santa Fe Airport site.

**Hobbs** 35-025-0008 Parameter 88101, Method 118, POC 1

Due to historically low concentrations the Bureau requests to decommission the PM<sub>2.5</sub> FRM sampler.

**Las Cruces** 35-013-0025 Parameter 88101, Method 118, POC 1

The Bureau requests to replace the existing PM<sub>2.5</sub> FRM sampler with a BAM-1020 FEM PM<sub>2.5</sub> sampler as an SPM, Parameter 88101, Method 170, POC 1, and still comply with area wide requirement for PM<sub>2.5</sub>. We also request to have Las Cruces be our co-located PM<sub>2.5</sub> site to fulfill the requirement for MSA monitoring for PM<sub>2.5</sub> per 40 CFR Part 58, App. D. The BAM sampler will provide real time concentration, save on laboratory - filter weight and shipping costs and is more efficient and easier to operate.

**Sunland Park** 35-013-0017 Parameter 88101, Method 118, POC 1

Bureau requests to decommission the PM<sub>2.5</sub> FRM sampler due to site not meeting the siting criteria in 40 CFR Part 58, App. E, NMED-AQB technical analysis siting criteria document dated March 28, 2014, and EPA response letter, dated May 16, 2014.

The Bureau intends to begin shifting from sequential FRM sampling to continuous FEM sampling in 2014. The FEM samplers that the Bureau intends to deploy are BAM 1020s manufactured by MetOne. As previously stated, this shift to continuous sampling will allow quicker data submittal to EPA and will save the Bureau approximately \$23,000 annually in contractual laboratory services. The Bureau also expects to save a significant amount of staff travel time, with fewer regular site visits required to maintain the continuous monitors.

### **3.0 Continuous PM<sub>2.5</sub> Network**

The Bureau operated continuous TEOM analyzers for PM<sub>2.5</sub> at nine monitoring locations at the end of 2013. The Bureau requests upgrading from TEOM PM<sub>2.5</sub> samplers, which are not FRM or FEM designated to BAM 1020 FEM PM<sub>2.5</sub> samplers where indicated for increased efficiency and cost savings as discussed on May 8<sup>th</sup> and 9<sup>th</sup> 2014 teleconference with EPA Region VI. NMED has evaluated the network monitoring sites for compliance in meeting siting criteria per 40 CFR 58, App. E., and has concerns with the Taos site due to tree growth in the residential neighborhood adjacent to the monitoring site. We feel that continued growth of trees could potentially violate the siting criteria.

In addition the Hobbs site gives us concern due to the car port installed adjacent to the monitoring site. We will re-evaluate both sites, make necessary improvements where possible to meet the requirement, or look into locations that would be more optimal for monitoring.

**Santa Fe (Runnels)** 35-049-0020 Parameter 88502, Method 701, POC 3

Due to historical low PM2.5 concentrations, the Bureau intends to decommission the TEOM PM2.5 continuous sampler per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. The Bureau does not intend to replace the sampler due to having a continuous PM2.5 sampler located at Santa Fe Airport site.

**Bernalillo** 35-043-0001 Parameter 88101, Method 170, POC 1

The Bureau requests to install a BAM-1020 FEM PM2.5 sampler as a SPM. This is a new sampler installation to characterize growth patterns in Sandoval County as well as increased traffic and development in the area, presence of dirt roads, and more frequent dust storms.

**Bloomfield** 35-045-0009 Parameter 88101, Method 170, POC 1

The Bureau requests to install a BAM-1020 FEM PM2.5 sampler as a SPM to obtain representative sampling of PM2.5 for San Juan County due to increased traffic and oil and gas development in the area, presence of dirt roads, and more frequent dust storms.

**Taos** 35-055-0005 Parameter 88502, Method 701, POC 3

The Bureau requests to remove the TEOM PM2.5 continuous sampler as it is not FRM or FEM designated and upgrade to a BAM-1020 FEM PM2.5 continuous sampler as an SPM, Parameter 88101, Method 170, POC 1. In addition we will evaluate the site per 40 CFR Part 58, App. E. to determine that it meets siting criteria, and if not make necessary improvements to meet the requirement. The Bureau has concerns due to tree growth in residential neighborhood adjacent to the monitoring site. We feel that continued growth of trees can potentially violate the siting criteria in 40 CFR Part 58, App. E.

**Carlsbad** 35-015-1005 Parameter 88502, Method 701, POC 3

The Bureau will remove the TEOM PM2.5 continuous sampler per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments and requests to upgrade to a BAM-1020 FEM PM2.5 continuous sampler as an SPM, Parameter 88101, Method 170, POC.

**Anthony** 35-013-0016 Parameter 88502, Method 701, POC 3

The Bureau requests to replace the TEOM PM2.5 continuous sampler as it is not FRM or FEM designated with the BAM-1020 FEM PM2.5 continuous sampler as a SPM. The Bureau has installed the BAM-1020 which has been operating since April 2014, Parameter 88101, Method 170, POC 1, but it is not currently in AQS.

**Sunland Park** 35-013-0017(Co-located with FRM) Parameter 88502, Method 701, POC 3

The Bureau requests to decommission the TEOM PM2.5 continuous sampler due to site not meeting the siting criteria in 40 CFR Part 58, App. E, NMED-AQB technical analysis siting criteria document dated March 28, 2014, and EPA response letter, dated May 16, 2014.

**Desert View** 35-013-0021 Parameter 88502, Method 701, POC 3

The Bureau currently operates a TEOM PM2.5 continuous sampler, and requests upgrading to BAM-1020 PM2.5 FEM designated sampler as an SPM, Parameter 88101, Method 170, POC 1. The TEOM PM2.5 continuous sampler is not FRM or FEM designated. The site's monitors and samplers may be influenced by school construction, which is expected to begin in July 2014 and continue through June 2016 per timeline provided by Gadsden Independent School District.

Tentative Time line for Desert View Elementary School project;

- Construction to commence June or July 2014 through December 2015
- Demolition of the old Desert View School is January – April 2016
- Current plans show the majority of the new student pick-up/drop-off construction and paving will happen after the demolition of the old school.

Rafael "Ralph" Gallegos – Gadsden Independent School District  
Executive Director for Energy Management & Construction

**Santa Teresa** 35-013-0022 Parameter 88502, Method 701, POC 3

The Bureau currently operates a TEOM PM2.5 continuous sampler, and requests upgrading to a BAM-1020 PM2.5 FEM designated sampler as an SPM, Parameter 88101, Method 170, POC 1. The TEOM PM2.5 continuous sampler is not FRM or FEM designated. The immediate site perimeter will have gravel installed in order to minimize the impact of windblown dust. The surrounding area has become more industrial due to the opening of the Union Pacific Railroad's new Intermodal Transshipment Terminal, and Twin Cities Services which operates freight storage and transport facilities. NMED-AQB believes that the site which is currently designated as background scale be changed to urban scale. We will pursue looking into locations that would be more optimal for PM2.5 monitoring.

**Hobbs** 35-025-0008 Parameter 88502, Method 701, POC 3

The Bureau will decommission the TEOM PM2.5 continuous sampler, per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. The Bureau will continue to operate the existing BAM-1020 PM2.5 FEM sampler as an SPM, Parameter 88101, Method 170, POC 1. In addition we will evaluate the site per 40 CFR Part 58, App. E. to determine that it meets siting criteria, and, if not, make necessary improvements to meet the requirement. The Bureau has concerns due to the car port installed adjacent to the monitoring site.

**Navajo Lake** 35-045-0018 Parameter 88502, Method 701, POC 3

Due to historically low PM2.5 concentrations, the Bureau decommissioned the TEOM PM2.5 continuous sampler on May 15, 2014 per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

**Los Lunas** 35-061-0008 Parameter 88502, Method 701, POC 3

Due to historically low concentrations, the Los Lunas TEOM sampler for PM2.5 was discontinued October 1, 2013 per Maria Martinez' e-mail dated September 30, 2013, Subject: Re: Discontinuation of Los Lunas Site – AQS – 35-061-0008, and per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

**Santa Fe Airport** 35-049-0021 Parameter 88502, Method 701, POC 3

The Bureau currently operates a TEOM PM2.5 continuous sampler and requests upgrade to a BAM-1020 FEM 2.5 sampler as an SPM, Parameter 88101, Method 170, POC 1.

#### 4.0 PM10 FRM Network

The Bureau operated a total of eleven PM10 samplers at nine monitoring locations at the end of 2013. NMED-AQB uses parameter code 81102 for standard temperature and pressure, and parameter code 85101 for local temperature and pressure per RFPS-1087-062. NMED has evaluated the network monitoring sites for compliance in meeting siting criteria per 40 CFR Part 58, App. E. The Hobbs site gives us concern due to the car port installed adjacent to the monitoring site. We will re-evaluate the site and make necessary improvements where possible to meet the requirement or look into locations that would be more optimal for monitoring.

**Farmington** 35-045-0019 Parameter 81102/85101, Method 062, POC 1

Due to historically low PM10 concentrations, the Bureau decommissioned the Wedding PM10 non-continuous sampler on May 15, 2014. No replacement is anticipated for 2014. The site did measure one exceedance in 2013 on 4/16/13 which was due to a high wind event. Winds averaged 13.7 m/s (30.6 mph) from 11:15 through 18:15 on that day.

**Bernalillo (Town Hall)** 35-043-0001 Parameter 81102/85101, Method 062, POC 1

Due to historically low PM10 concentrations, the Bureau requests to decommission the Wedding PM10 non-continuous sampler. No replacement is anticipated for 2014.

**Bernalillo (DOT Yard)** 35-043-0001 Parameter 88101, Method 170, POC 1

The Bureau requests to install a BAM-1020 FEM PM10 sampler as an SPM. This is a new sampler installation to characterize growth patterns in Sandoval County as well as increased traffic and development in the area, presence of dirt roads and more frequent dust storms.

**Bloomfield** 35-045-0009 Parameter 88101, Method 170, POC 1

The Bureau requests to install a BAM-1020 FEM PM10 sampler as an SPM due to increased traffic and oil and gas development in the area, presence of dirt roads and more frequent dust storms.

**Santa Fe (Runnels)** 35-049-0020 (Primary) Parameter 81102/85101, Method 062, POC 1

**Santa Fe (Runnels)** 35-049-0020 (Collocation) Parameters 81102, Method 062, POC 2

Due to historically low PM10 concentrations, the Bureau will decommission both Wedding PM10 non-continuous samplers per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

**Taos** 35-055-0005 (Partisol PM<sub>10</sub>) Parameter 81102, Method 127, POC 2  
Due to historically low PM10 concentrations, the Bureau will decommission the Partisol PM10 non-continuous sampler per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

**Hobbs** 35-025-0008 Parameter 81102/85101, Method 062, POC 1  
The Bureau requests to replace the Wedding PM10 non-continuous sampler with a TEOM PM10 continuous sampler, Parameter 81102, Method 079, POC 1. In addition we will evaluate the site per 40 CFR Part 58, App. E. to determine that it meets siting criteria, and, if not, make necessary improvements to meet the requirement. The Bureau has concerns due to the car port installed adjacent to the monitoring site.

**Anthony** 35-013-0016 Parameter 81102/85101, Method 062, POC 1  
The Bureau requests to replace the Wedding PM10 non-continuous sampler with a BAM-1020 PM10 FEM sampler.

**Sunland Park** 35-013-0017 Parameter 81102/85101, Method 062, POC 1  
The Bureau requests to decommission the Wedding PM10 non-continuous sampler due to site not meeting the siting criteria in 40 CFR Part 58, App. E, and NMED-AQB technical analysis siting criteria document dated March 28, 2014.

**Deming** 35-029-0001 (Primary) Parameter 81102/85101, Method 062, POC 1  
**Deming** 35-029-0001 (Collocation) Parameter 81102, Method 062, POC 2  
Due to historically low PM10 concentrations, the Bureau will decommission both Wedding PM10 non-continuous samplers per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

**Hurley Smelter** 35-017-1003 Parameter 81102/85101, Method 062, POC 1  
Due to historically low PM10 concentrations, the Bureau will decommission the Wedding PM10 non-continuous sampler per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

The northern counties continue to report relatively low PM10 values when compared to the southern counties.

## 5.0 Continuous PM10 Network

The Bureau operated a total of seven continuous TEOM PM10 analyzers at the end of 2013.

**Bernalillo (DOT Yard)** 35-043-0001 Parameter 81102, Method 122, POC 1  
The Bureau requests to install a BAM-1020 FEM PM10 sampler as an SPM. This is a new sampler installation to characterize growth patterns in Sandoval County as well as increased traffic and development in the area, presence of dirt roads and more frequent dust storms.

**Bloomfield** 35-045-0009 Parameter 81102, Method 122, POC 1  
The Bureau requests to install a BAM-1020 FEM PM10 sampler as an SPM due to increased traffic and oil and gas development in the area, presence of dirt roads and more frequent dust storms.

**Anthony** 35-013-0016 Parameter 81102, Method 079, POC 2  
The Bureau continues to operate the TEOM PM10 continuous FEM sampler, no replacement is anticipated for 2014.

**Sunland Park** 35-013-0017 Parameter 81102, Method 079, POC 2  
The Bureau requests to decommission the PM10 FEM sampler due to site not meeting the siting criteria in 40 CFR Part 58, App. E, and NMED-AQB technical analysis siting criteria document dated March 28, 2014.

**Chaparral** 35-013-0020 Parameter 81102, Method 079, POC 1  
The Bureau requests to remove the TEOM PM10 continuous FEM sampler and upgrade to a BAM-1020 FEM PM10 continuous sampler as an SPM, Parameter 81102, Method 122, POC 1.

**Holman Road** 35-013-0019 Parameter 81102, Method 079, POC 1  
The Bureau requests to remove the TEOM PM10 continuous FEM sampler and upgrade to a BAM-1020 FEM PM10 continuous sampler as an SPM, Parameter 81102 Method 122, POC 1.

**West Mesa** 35-013-0024 Parameter 81102, Method 079, POC 1  
The Bureau requests to remove the TEOM PM10 continuous FEM sampler and upgrade to a BAM-1020 FEM PM10 continuous sampler as an SPM, Parameter 81102, Method 122, POC 1.

**Deming Airport** 35-029-0003 Parameter 81102, Method 079, POC 1  
The Bureau requests to remove the TEOM PM10 continuous FEM sampler and upgrade to a BAM-1020 FEM PM10 continuous sampler as an SPM, Parameter 81102, Method 122, POC 1.

**Desert View** 35-013-0021 Parameter 81102, Method 079, POC 1  
The Bureau requests to remove the TEOM PM10 continuous FEM sampler and upgrade to a BAM-1020 FEM PM10 continuous sampler as an SPM, Parameter 81102, Method 122, POC 1. The site monitors and samplers may be influenced by school construction, which is expected to begin in July 2014 and continue through June 2016 per timeline provided by Gadsden Independent School District as stated in section 3.0 Continuous PM2.5 Network.

## 6.0 CO Network

The Bureau no longer conducts carbon monoxide monitoring.

## 7.0 SO2 Network

The Bureau operated a total of three SO2 monitoring stations at the end of 2013.

**Substation** 35-045-1005 Parameter 42401, Method 060, POC 3  
**Bloomfield** 35-045-0009 Parameter 42401, Method 060, POC 3

**Hurley Smelter** 35-017-1003 Parameter 42401, Method 060, POC 3

The Bureau requests to decommission the SO2 monitor at Hurley as NMED's maintenance plan identified by Docket ID No: EPA-R06-OAR-2013-0764 has been approved to take effect on September 16, 2014.

## **Hobbs**

It is also our request to add an SO2 monitor at our Hobbs site due to the new SO2 standard in order to determine compliance in the Permian Basin as well as the Bureau receiving five new PSD permitting applications for this area.

The Bureau continues reporting "five minute" data for SO2.

## **8.0 NO2 Network**

The Bureau operated a total of eight NO2 monitoring stations at the end of 2013.

**Substation** 35-045-1005 Parameter 42602, Method 074, POC 2

**Bloomfield** 35-045-0009 Parameter 42602, Method 074, POC 1

**Navajo Lake** 35-045-0018 Parameter 42602, Method 074, POC 1

The Bureau continues to operate the NO2 monitors at the three sites in San Juan County. No changes are anticipated for 2014.

**Carlsbad** 35-015-1005 Parameter 42602, Method 074, POC 1

**Hobbs** 35-025-0008 Parameter 42602, Method 074, POC 1

The Bureau requests to continue sampling for NO2 at the Hobbs location. Since the NO2 at Carlsbad is not required to meet minimum network requirements, but does provide information that helps the bureau characterize increased pollutant trends, NMED will be changing its designation from SLAMS to SPM. NMED has received five new PSD permit applications for the Permian Basin.

**Desert View** 35-013-0021 Parameter 42602, Method 074, POC 1

The Bureau continues to operate the NO2 monitor at Desert View, no changes are anticipated for 2014. The site monitors and samplers may be influenced by school construction, which is expected to begin in July 2014 and continue through June 2016 per timeline provided by Gadsden Independent School District as stated in section 3.0 Continuous PM2.5 Network.

**Santa Teresa** 35-013-0022 Parameter 42602, Method 074, POC 2

The Bureau continues to operate the NO2 monitor at Santa Teresa no changes are anticipated for 2014. As stated in section 3.0 Continuous PM2.5 Network, the surrounding area has become more industrial due to the opening of the Union Pacific Railroad's new Intermodal Transshipment Terminal, and Twin Cities Services which operates freight storage and transport facilities. NMED-AQB believes that the site which is currently designated as background scale be changed to urban scale.

**Deming Airport** 35-029-0003 Parameter 42602, Method 074, POC 1

Due to historically low NO2 concentration, the Bureau requests to decommission the NO2 monitor at Deming Airport site, no replacement is anticipated for 2014.

In 2013 the Bureau completed upgrade of all eight of the NO2 monitors.

## 9.0 O3 Network

The Bureau operated seventeen O3 monitoring stations in its statewide network in 2013.

**Substation** 35-045-1005 Parameter 44201, Method 047, POC 1

**Bloomfield** 35-045-0009 Parameter 44201, Method 047, POC 1

**Navajo Lake** 35-045-0018 Parameter 44201, Method 047, POC 1

The Bureau continues to operate the Ozone monitors at the three sites in San Juan County. No changes are anticipated for 2014.

**Coyote Ranger Dist.** 35-039-0026 Parameter 44201, Method 047, POC 1

The Bureau continues to operate the Ozone monitor no changes are anticipated for 2014.

**Bernalillo** 35-043-1001 Parameter 44201, Method 047, POC 1

**Los Lunas** 35-061-0008 Parameter 44201, Method 047, POC 1

The Bureau requests to continue sampling for Ozone to better characterize ozone in the air shed, and it will also assist in determining growth patterns in Valencia and Sandoval counties. Since these are not required as part of the SLAMS network, NMED will be changing designation for SLAMS to SPM.

**Carlsbad** 35-015-1005 Parameter 44201, Method 047, POC 1

**Hobbs** 35-025-0008 Parameter 44201, Method 047, POC 1

The Bureau requests to continue sampling for Ozone given the increase in oil production in the Permian Basin. The Ozone monitors in Carlsbad and Hobbs are necessary in characterizing increase pollutant trends. NMED has also received five new PSD permit applications for the Permian Basin. Since the ozone monitor at the Hobbs location is not required as part of the SLAMS network, NMED will be changing its designation from SLAMS to SPM.

**La Union** 35-013-0008 Parameter 44201, Method 047, POC 2

The Bureau continues operating the Ozone monitor at La Union, no changes are anticipated for 2014.

**Solano Road** 35-013-0023 Parameter 44201, Method 047, POC 1

The Bureau continues operating the Ozone monitor at Solano road no changes are anticipated for 2014.

**Sunland Park** 35-013-0017 Parameter 44201, Method 047, POC 1

The Bureau requests to decommission Ozone monitor at Sunland Park based on determination that the conditions and circumstances at this site do not support continued monitoring for ozone, according to NMED-AQB technical analysis siting criteria document dated March 28, 2014.

**Chaparral** 35-013-0020 Parameter 44201, Method 047, POC 1

The Bureau intends to continue sampling for Ozone due to the growing community, and it will also help characterize the El Paso Air Shed as well as background concentrations. Since the ozone monitor at the Chaparral location is not required as part of the SLAMS network, NMED will be changing its designation from SLAMS to SPM.

**Desert View** 35-013-0021 Parameter 44201, Method 047, POC 1

The Bureau continues to operate the Ozone monitor at Desert View, no changes are anticipated for 2014.

**Santa Teresa** 35-013-0022 Parameter 44201, Method 047, POC 1

The Bureau continues to operate the Ozone monitor at Santa Teresa, no changes are anticipated for 2014. As stated in section 3.0 Continuous PM2.5 Network, the surrounding area has become more industrial due to the opening of the Union Pacific Railroad's new Intermodal Transshipment Terminal, and Twin Cities Services which operates freight storage and transport facilities. NMED-AQB believes that the site which is currently designated as background scale be changed to urban scale.

**Deming Airport** 35-029-0003 Parameter 44201, Method 047, POC 1

Due to historically low ozone concentration, the Bureau will decommission the Ozone monitor, per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

**Santa Fe Airport** 35-049-0021 Parameter 44201, Method 047, POC 1

The Bureau continues to operate the Ozone monitor at Santa Fe Airport, no changes are anticipated for 2014.

**Hurley Smelter** 35-017-1003 Parameter 44201, Method 047, POC 1

The Bureau will decommission the Ozone monitor due to historically low concentrations, per EPA letter, dated February 19, 2014 referring to NMED's 2013 Annual Ambient Air Monitoring Network Plan Technical Comments. No replacement is anticipated for 2014.

## 10.0 Other Projects

There are two other projects underway in New Mexico that are supported by NMED/AQB staff.

1. Northern air monitoring staff is continuing a second NADP-sponsored project to collect passive ammonia monitoring data in San Juan County, New Mexico. This project will hopefully continue for the next year. Ammonia is a precursor of fine particulate matter which adversely affects public health and visibility. This continued study will augment the baseline data collected in 2007 to assess any significant changes in ambient ammonia levels.

2. NMED has submitted a development plan for Ozone nonattainment in the southern border region of New Mexico from the FY14 Border Grant.

## **11.0 Summary**

The intention of the Bureau is to continue to focus on pollutants of concern while also striving to continue to serve the public health needs and to satisfy the expectations of the New Mexico communities. The Bureau will inform Region VI staff early in the process of any plans to make changes to the ambient air monitoring network, other than those described in this review, to ensure that state and federal priorities continue to be aligned.

## **12.0 Addressing New Monitoring Requirements in Monitoring Network**

### **12.1 Lead (Pb)**

Two federal criteria have been set up for Pb monitoring:

- Source-oriented – For sources over 0.5 Tons per year.
- “Non-source”-oriented in every urban area with NCore monitoring sites, that have a population of 500,000 or more.

Based on these criteria, no Pb monitors are required in regions under NMED/AQB jurisdiction.

### **12.2 Nitrogen Dioxide**

Two federal criteria have been set up for NO<sub>2</sub> monitoring:

- Near-road NO<sub>2</sub> monitoring; 1 micro-scale site would be required in Core Based Statistical Areas (CBSA)  $\geq$  500,000 at a location of expected highest hourly NO<sub>2</sub> concentrations sited near a major road with high Annual Average Daily Traffic (AADT) counts.
- Community-wide; required in CBSAs  $\geq$  1 million at a location of expected highest NO<sub>2</sub> concentrations representing neighborhood or larger (urban) spatial scale.

Based on these criteria, no new NO<sub>2</sub> monitors are required in regions under NMED/AQB jurisdiction.

### **12.3 Sulfur Dioxide**

Two federal criteria have been set up for SO<sub>2</sub> monitoring:

- Based on population per CBSA and amount of SO<sub>2</sub> emissions within that CBSA, that is, the Population Weighted Emissions Index (PWEI) and
- Based on individual state contribution to national SO<sub>2</sub> inventory in the 2005 National Emissions Inventory (NEI).

Based on the PWEI criteria, NMED/AQB would not need to deploy any new monitors. However, NMED/AQB is considering adding an additional SO<sub>2</sub> monitor at the Hobbs site due to the new SO<sub>2</sub> standard in order to determine compliance in the Permian Basin as well as the Bureau receiving five new PSD permitting applications for this area.

Based on the 2005 NEI criteria, NMED/AQB would need one monitor. This requirement is already being complied with by virtue of the Substation site.

#### **12.4 Ozone**

Previous to this writing three federal criteria had been set up for ozone monitoring. Although these criteria are no longer required, one is still listed because NMED/AQB set up a new ozone site based on that criterion.

- 1 monitor in an area of high ozone concentration outside of currently monitored MSAs and Metropolitan areas.

NMED/AQB has been working with the US Forest Service to commission a site at the Coyote Ranger Station on the Santa Fe National Forest. Commissioning of the site began in the Fall of 2011 and was completed in the Spring of 2013.

#### **13.0 Other Issues**

The Bureau filled one vacant supervisor position in 2013, and one vacant operator position in 2014. The operator-advanced position became vacant in October 2013 and the Bureau is in the process of reclassifying this position.

A draft of this document will be made available to the public in August of 2014, at <http://www.nmenv.state.nm.us/aqb/>. Any comments pertaining to this document should be sent to the following contact:

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