



2015 Ozone NAAQS - Sunland Park Nonattainment Area SIP Revision

Baseline Emissions Inventory & Emissions Statement Certification

Air Quality Bureau

9/11/20

Final Draft

The New Mexico Environment Department’s Air Quality Bureau prepared this document. It is available for review at the website located at www.env.nm.gov/air-quality/ or in person at the address listed below. The Air Quality Bureau accepted public comment and hearing request on this document from July 19, 2020 to August 20, 2020. For further information or to request a copy of this document, please contact the bureau by phone or in writing at:

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EMISSIONS INVENTORY

INTRODUCTION

OVERVIEW

The New Mexico Environment Department (NMED) Air Quality Bureau has prepared this baseline emissions inventory for the tropospheric ozone precursors nitrogen oxides (NO_x) and volatile organic compounds (VOC) to meet requirements promulgated in Title I of the federal Clean Air Act (CAA) sections 172(c)(3) and 182(a)(1), for the City of Sunland Park that had failed to meet the 2015 Ozone National Ambient Air Quality Standard (NAAQS). Effective August 3, 2018, the area of Sunland Park in southern Doña Ana County was classified as marginal nonattainment for the 2015 ozone NAAQS; initiating the two-year deadline to submit a baseline emissions inventory (83 FR 25776).

TEMPORAL SCOPE

This baseline emissions inventory will provide emissions estimates for year 2017 that coincides with the EPA triennial National Emissions Inventory (NEI) year in tons per year (TPY): the months of June through August will be the focus of the peak ozone season daily emissions in pounds per day (lbs./day). The peak ozone season was determined by reviewing 2013 - 2016 eight-hour average ozone exceedance reports obtained from the EPA Air Quality System (AQS) for the Desert View monitoring site between February - October. The analysis indicated 82% of the NAAQS exceedances occurred during the months of June-August. These months contained the highest daily ozone average concentrations recorded along with the highest Air Quality Index's. Excluding the months of May and September from the ozone season day calculations will provide a more accurate estimate of the average ozone season day emissions by not including the months with relatively lower averages than June - August.

SPATIAL SCOPE

The City of Sunland Park nonattainment area located in southern Doña Ana County will be the area of interest, bounded by the northern latitude of N31°49'30"; western longitude W106°36'36"; the southern international border between New Mexico and Mexico; and the eastern New Mexico and western Texas state line. (See Figure 1)





Figure 1 – The City of Sunland Park 2015 Ozone Nonattainment Area

EMISSIONS SUMMARY

Sources	Nonattainment Area Annual Estimates (TPY)	Ozone Season Day Emissions Estimates (lbs./day)
Point	VOC: 30 NO _x : 801	VOC: 165 NO _x : 5,367
Area	VOC: 221 NO _x : 77	VOC: 1,132 NO _x : 429
Mobile	VOC: 29* NO _x : 121*	VOC: 271 NO _x : 871
Total	VOC: 280 NO_x: 999	VOC: 1,568 (0.78 TPD) NO_x: 6,667 (3.33 TPD)

TPY = Tons per Year, TPD = Tons per Day; *On-Road Mobile emissions not included

POINT SOURCE EMISSIONS

For the purposes of this emissions inventory, point sources are major stationary sources located in the marginal nonattainment area that have the potential to emit 100 tons per year (TPY) or more of NO_x or VOC. The only point source within the nonattainment area along the New Mexico and Texas state line is the Rio Grande Generating Station, owned by the El Paso Electric Company, located at 3501 Doniphan Drive; El Paso, TX. The Rio Grande Generating Station is



partially located in Texas and New Mexico and does currently hold a Title V permit through NMED.

POINT SOURCE INVENTORY CALCULATION METHOD

ANNUAL EMISSIONS

The Air Emissions Reporting Requirements (AERR) of 20.2.73 New Mexico Administrative Code (NMAC) require to submit emission reports to the State of New Mexico for entry into the National Emissions Inventory (NEI) for NO_x and VOC. This inventory will be composed of ozone precursors NO_x and VOC for the 2017 baseline emissions inventory for the City of Sunland Park, NM. The annual emissions reported to NMED from the point source are from continuous emissions monitoring systems (CEMS), stack tests, and/or estimations with EPA approved emissions factors through the Clearinghouse for Inventories and Emissions Factors (CHIEF).

OZONE SEASON DAY EMISSIONS

The 2017 ozone season day emissions estimates were provided by NMED upon request from the Rio Grande Generating Station’s Environmental Engineer, Celena Arreola.

El Paso Electric Rio Grande Generating Station (3501 Doniphan Drive; El Paso, TX)

Facility	Annual Estimate (TPY)	Ozone Season Day (lbs./day)
Rio Grande Generating Station	VOC: 29.624 NO _x : 800.516	VOC: 164.698 NO _x : 5,367.498

NONPOINT (AREA) SOURCE EMISSIONS

Nonpoint or area sources are the many different types of sources that do not meet the definition of “point source” contained in 40 CFR Part 70; these sources emit less than 100 TPY of NO_x or VOC for the purposes of this emissions inventory. Area sources have the potential to have a larger impact on air quality than point sources, due to the numerous different sources with little to no controls in place. Combined, they create an additive effect to the airshed.

AREA SOURCE INVENTORY CALCULATION METHOD

Sector	Nonattainment Area Apportionment Method	Ozone Season Day Calculation Method
Commercial Combustion Sources		
Commercial /Institutional - Natural Gas	Employment	Operating Schedule
Commercial /Institutional - LPG	Employment	Operating Schedule
Commercial /Institutional – Distillate Oil	Employment	Operating Schedule
Commercial /Institutional - Biomass	Employment	Operating Schedule
Residential Combustion Sources		



Residential - Natural Gas	Population	Seasonal Factor
Residential - LPG	Population	Heating Degree Days
Residential– Distillate Oil	Population	Heating Degree Days
Residential - Biomass	Population	Heating Degree Days
Miscellaneous Sources		
Commercial Cooking	Employment	Uniform Usage
Cremations	Population	Uniform Usage
Open Burning	Population	Uniform Usage
Portable Gas Cans	Population	Uniform Usage
Residential Grilling	Population	Uniform Usage
Structural Fires	Survey	Seasonal Factor
Waste Treatment & Disposal	Emissions Report	Emissions Report
Evaporative Sources		
Auto Refinishing	Population	Uniform Usage
Traffic Markings	Population	Uniform Usage
Industrial Maintenance Coatings	Population	Uniform Usage
Other Special Purpose Coatings	Population	Uniform Usage
Livestock Waste	Equine Population Ratio	Seasonal Factor
Personal Care Products	Population	Uniform Usage
Household Products	Population	Uniform Usage
Automotive Aftermarket Products	Population	Uniform Usage
Coatings & Related Products	Population	Uniform Usage
Adhesives & Sealants	Population	Uniform Usage
FIFRA Related Products	Population	Uniform Usage
Miscellaneous Products	Population	Uniform Usage
Asphalt Application	Population	Uniform Usage
Agricultural Pesticide Application	Population	Uniform Usage
Storage & Transfer	Population	Uniform Usage
Degreasing	Population	Uniform Usage
Wastewater Treatment & Disposal	Population	Uniform Usage
Non-Road Mobile Sources		
Locomotives	Rail Track Miles	Uniform Usage
Gasoline Non-Road Mobile	Population	Uniform Usage



Diesel Operated Non-Road Mobile	Population	Uniform Usage
Other Non-Road Mobile	Population	Uniform Usage

ANNUAL EMISSIONS

The 2017 NEI was queried for the ozone precursors of NO_x and VOC for area source sectors; the emissions estimates will be in tons per year (TPY) for Doña Ana County.

Apportionment factors will be applied to the Doña Ana County NEI estimates to scale the emissions down to the partial-county nonattainment area (NAA) for the City of Sunland Park, NM.

Industrial boiler combustion sources were not included in this inventory due to TEMPO database query results finding no sources within the Sunland Park nonattainment area.

Population Apportionment Factor

2017 US Census population data for Doña Ana County is 216,186 and for the City of Sunland Park is 17,123. The City of Sunland Park’s population ratio to Doña Ana County:

2017 Sunland Park Population / 2017 Doña Ana County Population = Population Apportionment Factor

17,123/216,186 = 0.079

Employment Apportionment Factor

Statewide average employment for 2017 has been estimated at 880,509 (US Labor & Stat.). Doña Ana County employment for 2017 has been estimated at 89,317 (NM Workforce Connection). Using a ratio to estimate employment due to the City of Sunland Park employment data being unavailable:

2017 Doña Ana County Employment/2017 Doña Ana County Population = x/2017 City of Sunland Park Estimated Population X = NAA Employment Estimate

89,317/216,186 = x/17,123 x = 7,074 people employed in NAA

Sunland Park Employment Estimate/Doña Ana County Employment = Employment Apportionment Factor

7,074/17,123 = 0.41

Equine Population Apportionment Factor

Livestock waste emissions estimates were determined by apportioning down to the City of Sunland Park using 2017 Doña Ana County equine population statistics from the USDA estimate of 2,152 horses and ponies. The Sunland Park Racetrack and Casino indicates that there are approximately 1500 horses during peak racing season.



The City of Sunland Park Equine Population/Doña Ana County Equine Population = Equine Population Factor

$$1,500/2,152 = 0.70$$

Locomotive Rail Track Miles Apportionment Factor

According to the New Mexico Department of Transportation Rail Division, Doña Ana County has a total of 125 track miles and the City of Sunland Park has a total of 10 track miles of a Class I line-haul railroad that BNSF and Union Pacific utilize. No switch yards are located within the nonattainment area.

The City of Sunland Park Rail Track miles/Doña Ana County Rail Track miles = Locomotive Rail Track Miles Factor:

$$10/125 = 0.08$$

OZONE SEASON DAY EMISSIONS

The ozone season of June through August, a total of 92 days, will be the timeframe for calculating pounds per day (lbs./day) emission estimates, based on the EIS database ozone exceedance analysis that indicated the peak ozone season.

Heating Degree Days

The average ozone season daily emissions were calculated using the number of Heating Degree Days. There were no Heating Degree Days where the daily average temperature was below 65° Fahrenheit, as determined by the National Oceanic and Atmospheric Administration records.

Operating Schedule

Ozone season daily calculations are approached by assuming activity occurs a number of days a week which is relatively uniform throughout the year. The annual emission estimates were divided by the number of days per week multiplied by 52 weeks per year. The 7.489 days per week factor was used to calculate ozone season day emissions estimates for the Commercial and Institutional fuel combustion sources to reflect the fluctuations in different operating schedules.

Uniform Usage

Assuming activity is consistent throughout the year, calculating annual emissions estimates by 365 days per year will produce the ozone season daily emissions estimates.

Seasonal Factors

Seasonal factors are applied to annual estimates to reflect the activity for the source within the peak ozone season compared to the remainder of the year; this value is represented as a percentage as to how much activity occurs during the season. Factors are calculated by



dividing the total annual activity data by peak ozone season activity data through the months of June-August for a total of 92 days.

To reflect the average ozone season daily emissions estimates for residential natural gas appliances other than space heaters (i.e water heaters, stoves, etc...), an 8.69% seasonal factor was applied to the annual estimates of natural gas since the predominant months of peak natural gas usage are during the colder months when the Heating Degree Days start to increase within the nonattainment area ($2608 \text{ MMcf}/29,994 \text{ MMcf} = 0.08695$) (US DOE, 2017). After applying the seasonal factor, the resulting estimate is then divided by 92 days

For livestock waste ozone season daily emission estimates, NMED records indicate the Sunland Park Racetrack & Casino has a 20% reduction in activity during the summer months. The annual estimate will have the 80% activity rate applied; the seasonal adjusted activity rate is then divided by 92 days.

Since no local data was available, structural fires ozone season daily emissions estimates were calculated by applying a 23.5% seasonal factor to the annual emissions estimates. The Federal Emergency Management Administration's monthly analysis of the percentage of structural fires indicates that through the months of June through August, 21.5% residential and 25.2% non-residential structural fires occurred in these months ($21.5 + 25.2/2 = 23.5$) (EPA, 2001). The resulting estimates are then divided by 92 days.

QA/QC PROCEDURES

Procedures established in each step of the process to create a representative, comparable, accurate, and comprehensive area source emissions inventory for the Sunland Park nonattainment area included:

- Establishment of an Inventory Development Team to increase the reliability and reproducibility of the emissions estimate approaches and methodology;
- An objective QA/QC team that is not involved with the initial preparation and calculation of the emissions estimates;
- Conducting regular meetings with the Inventory Development Team to update any new developments and problems arising;
- Ensuring that Inventory Development Team members are adequately trained to ensure accuracy and precision of emissions estimates;
- Cross-Referencing different NEI/EIS reports down to the Tier IV descriptors to eliminate any portions from the total estimates for each sector to avoid overestimating. For example, only accounting for horses and ponies from the total livestock waste emissions estimates as the Doña Ana County dairy cattle waste emissions are primarily from the dairies in the Vado/Anthony area, which is outside of the nonattainment area;
- Cross-referencing point/nonpoint emissions to avoid double counting and overestimating, such as subtracting locomotive point switch yard idling emissions from the non-point locomotive total emission estimates. Ensure that the new Option Groups/Sets for the 2017 NEI are being utilized;



- Utilizing EPA tools such as Wagon Wheel to run emission reports and verify inputs are accurate and representative;
- Working collaboratively with the EPA Region 6 Office of Air and Radiation & the Office of Air Quality and Planning in support of guidance documents;
- Maintaining current knowledge of NEI developments and methodologies through publicly available data and listserv updates; and
- Cross-referencing other jurisdictions emissions inventories for preparation guidance (e.g., Maricopa, Houston-Galveston-Brazoria, Dallas-Fort Worth, and Bexar Counties emissions inventories).

FUEL COMBUSTION SOURCES

Commercial Fuel Combustion Sources

These sources include combustion of fuel-oil (distillate and/or residual), natural gas, and liquified petroleum gas (LPG). Examples of sources in this category are restaurants, small business operations, retail stores, services, grocery stores, schools, and government buildings.

Sector	Doña Ana County Estimates (TPY)	Nonattainment Area Annual Estimates (TPY)	Ozone Season Day Emissions Estimates (lbs./day)
Commercial /Institutional - Natural Gas	VOC: 5.447243 NO _x : 99.04078	VOC: 2.233 NO _x : 40.607	VOC: 15.507 NO _x : 281.95
Commercial /Institutional - LPG	VOC: 0.2473891 NO _x : 6.769898	VOC: 0.10143 NO _x : 2.7757	VOC: 0.70428 NO _x : 19.273
Commercial /Institutional – Distillate Oil	VOC: 1.503 NO _x : 17.731	VOC: 0.61623 NO _x : 7.27	VOC: 4.279 NO _x : 50.477
Commercial /Institutional - Biomass	VOC: 0.7690082 NO _x : 9.951871	VOC: 0.31529 NO _x : 4.0803	VOC: 2.189 NO _x : 28.33
Total	VOC: 7.97 NO_x: 133.5	VOC: 3.266 NO_x: 54.733	VOC: 22.679 NO_x: 380.03

Residential Fuel Combustion Sources

These sources include combustion of fuel-oil, natural gas, LPG, and wood.

Sector	Doña Ana County Estimates (TPY)	Nonattainment Area Annual Estimates (TPY)	Ozone Season Day Emissions Estimates (lbs./day)
Residential - Natural Gas	VOC: 8.492731 NO _x : 145.1485	VOC: 0.670926 NO _x : 11.4667	VOC: 1.267 NO _x : 21.662



Residential - LPG	VOC: 1.748208 NO _x : 44.90604	VOC: 0.138108 NO _x : 3.547577	N/A
Residential– Distillate Oil	VOC: 0.00108 NO _x : 0.027	VOC: 0.000085 NO _x : 0.002133	N/A
Residential - Biomass	VOC: 269.87 NO _x : 29.74	VOC: 21.3197 NO _x : 2.34946	N/A
Total	VOC: 280.112 NO_x: 219.822	VOC: 22.129 NO_x: 17.366	VOC: 1.267 NO_x: 21.662

MISCELLANEOUS SOURCES

Many of these sources are not easily classifiable and fall into this source sector category under the NEI.

For the portable gas containers source sector, the refilling at the pump portions of the inventory estimates have been removed since there are no gas stations located in the nonattainment area to refill gas containers. The residential and commercial sources included are for permeation, evaporation, and spillage during transport.

For the structural & vehicle fires sectors, there were 6 structural fires in the City of Sunland Park and no vehicle fires in 2017 as per the City of Sunland Park Fire Chief Daniel Medrano (April 21, 2020). The US EPA EIIP guidance provides a default emissions factor of 1.15 tons of material burned per fire (EPA, 2001).

The Camino Real Landfill and Four Peaks Generating Station at 1000 Camino Real, Sunland Park, NM 88063 account for the waste treatment & disposal landfill source sector. The Camino Real Landfill does currently hold a Title V permit through NMED. Discussions with facility operators and managers, Nathan Barnes and Juan Carlos Tomas, verified the emissions for the year 2017. It is important to note that the Four Peaks Generating Station did not provide emissions estimates for 2017; the facility was undergoing a transfer of ownership, and both record keeping and production were negligible upon the previous owner's departure.

Sector	Doña Ana County Estimates (TPY)	Nonattainment Area Annual Estimates (TPY)	Ozone Season Day Emissions Estimates (lbs./day)
Commercial Cooking	VOC: 11.0235	VOC: 4.52	VOC: 24.77
Cremations (Human & Animal)	VOC: 0.012759 NO _x : 0.15192	VOC: 0.001 NO _x : 0.012	VOC: 0.006 NO _x : 0.066
Open Burning	VOC: 42.29 NO _x : 22.66	VOC: 3.34 NO _x : 1.79	VOC: 18.31 NO _x : 9.81
Portable Gas Containers	VOC: 23.525	VOC: 1.859	VOC: 10.183



(Commercial & Residential)			
Residential Grilling	VOC: 2.69 NO _x : 1.01	VOC: 0.213 NO _x : 0.0798	VOC: 1.164 NO _x : 0.437
Structural Fires	N/A	VOC: 0.03795 NO _x : 0.00483	VOC: 0.193875 NO _x : 0.024675
Waste Treatment & Disposal	N/A	VOC: 8.95 NO _x : 3.08	VOC: 49.04 NO _x : 16.88
Total	VOC: 79.541 NO_x: 23.822	VOC: 18.921 NO_x: 4.967	VOC: 103.667 NO_x: 27.218

EVAPORATIVE SOURCES

These sources include many non-combustible sources within the nonattainment area. Many operations are not located in the nonattainment area, as the City of Sunland Park is considered a suburb of the greater El Paso, TX Metropolitan area which does include the operations that are indicated as non-applicable.

There are no airports located in the nonattainment area. The nearest airports are in Santa Teresa, NM and El Paso, TX.

Bioprocesses emissions from bakeries, breweries, wineries and distilleries are negligible due to the limited number of operations that occur within the nonattainment area. There is one bakery and one winery located in the nonattainment area.

No dry-cleaning operations are situated in the nonattainment area. The nearest dry cleaners are in El Paso, TX.

There is no oil and gas production within the nonattainment area.

There are no gas stations located in the nonattainment area.

There are no leaking underground petroleum storage tanks that have been remediated in 2017. According to the NMED Petroleum Storage Tank Bureau's records, there are a total of 6 underground petroleum storage tanks with 4 currently in use: two tanks each at the Sunland Racetrack and Casino and the Rio Grande Generating Station are in use, and the two tanks at the former American Eagle Brick Plant are no longer usable.

Apportioning the livestock waste emissions from the Doña Ana County total required removal of all the other sources of emissions within this source sector in the NEI as the only sources of Livestock Waste emissions are from the Sunland Park Racetrack and Casino's horses and ponies that are housed on-site during racing season.



Sector	Doña Ana County Estimates (TPY)	Nonattainment Area Annual Estimates (TPY)	Ozone Season Day Emissions Estimates (lbs./day)
Auto Refinishing	VOC: 33.86	VOC: 2.675	VOC: 14.66
Traffic Markings	VOC: 81.47	VOC: 6.44	VOC: 35.266
Industrial Maintenance Coatings	VOC: 39.29	VOC: 3.104	VOC: 17.01
Other Special Coatings	VOC: 0.63	VOC: 0.05	VOC: 0.27
Architectural Coatings	VOC: 254.44	VOC: 20.1	VOC: 110.141
Livestock Waste	VOC: 4.13	VOC: 2.891	VOC: 50.278
Personal Care Products	VOC: 211.15	VOC: 16.68085	VOC: 91.4
Household Products	VOC: 215.01	VOC: 16.98579	VOC: 93.073
Automotive Aftermarket Products	VOC: 20.37	VOC: 1.60923	VOC: 8.8177
Coatings & Related Products	VOC: 102.4	VOC: 8.0896	VOC: 44.33
Adhesives & Sealants	VOC: 196.61	VOC: 15.532	VOC: 85.1079
FIFRA Related Products	VOC: 191.87	VOC: 15.15773	VOC: 83.056
Miscellaneous Products	VOC: 7.55	VOC: 0.59645	VOC: 3.268
Asphalt Application	VOC: 694.1	VOC: 54.8339	VOC: 300.4597
Agricultural Pesticide Application	VOC: 87	VOC: 6.873	VOC: 37.66
Storage & Transfer	VOC: 4.24	VOC: 0.33496	VOC: 1.835
Degreasing	VOC: 61.44	VOC: 4.85376	VOC: 26.6
Wastewater Treatment	VOC: 1.58	VOC: 0.12482	VOC: 0.6839
Total	VOC: 2,207.14	VOC: 176.932	VOC: 1,003.916

ON-ROAD MOBILE EMISSIONS

On-road mobile emission estimates were obtained from the El Paso Metropolitan Planning Organization's 2019 Transportation Conformity Report for the nonattainment areas ozone season daily estimates from June through August. The MOVES2014a model run results for the City of Sunland Park were used to calculate the on-road emission estimates by the Texas A&M Transportation Institute (TTI) for year 2017. The results of the MOVES2014a model run to calculate emissions estimates were directly obtained from TTI to provide a lbs. per day estimate.

VOC: 112.3 lbs./day
NO_x: 209.24 lbs./day



NON-ROAD MOBILE EMISSIONS

Non-road vehicles that do not normally operate on roads or highways are commonly referred to as off-road vehicles. Non-road emission sources include agricultural equipment, commercial and industrial equipment, construction, lawn and garden equipment, aircraft, and locomotives.

No airports are located within the City of Sunland Park for emissions estimates.

For locomotives, the point switch-yard emissions estimates were subtracted from the Non-point estimates as there are no switchyards located within the City of Sunland Park. The nearest switch yards are in Santa Teresa, NM and El Paso, TX.

Sector	Doña Ana County Estimates (TPY)	Nonattainment Area Annual Estimates (TPY)	Ozone Season Day Emissions Estimates (lbs./day)
Locomotives	VOC: 44.68 NO _x : 973.42	VOC: 3.574 NO _x : 77.874	VOC: 19.59 NO _x : 426.7
Gasoline Operated Non-Road Equipment	VOC: 280.4 NO _x : 44.86	VOC: 22.2 NO _x : 3.544	VOC: 121.38 NO _x : 19.42
Diesel Operated Non-Road Equipment	VOC: 40.25 NO _x : 490.2	VOC: 3.18 NO _x : 38.726	VOC: 17.42 NO _x : 212.2
Non-Road Equipment - Other	VOC: 1.613 NO _x : 7.65	VOC: 0.127 NO _x : 0.604	VOC: 0.70 NO _x : 3.31
Total	VOC: 366.94 NO_x: 1,516.13	VOC: 29.081 NO_x: 120.748	VOC: 159.09 NO_x: 661.63



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EMISSIONS STATEMENT CERTIFICATION

A State Implementation Plan (SIP) identifies how a state will attain and maintain the primary and secondary National Ambient Air Quality Standards (NAAQS). The SIP contains regulations, source-specific requirements, non-regulatory items such as plans and inventories, and other types of submittals designed to satisfy requirements promulgated by the U.S. Environmental Protection Agency (EPA). The initial SIPs for states were approved on May 31, 1972. SIPs may be revised by the state with EPA approval. The federally enforceable SIP for the state of New Mexico is compiled in Subpart GG of 40 CFR Part 52.

Section 182(a) of the federal Clean Air Act (CAA) contains requirements for marginal ozone NAAQS nonattainment areas, and § 182(a)(3)(B) describes emission statement requirements for such areas. New Mexico must ensure that its SIP provides for the implementation of the emission statement requirements and must reaffirm that the appropriate framework exists to implement such requirements. The following information meets the emission statement certification requirements of the Clean Air Act set forth:

Section 182(a)(3)(B) contains the following mandates:

Section 182 (a)(3)(B) Emissions statements:

- (i) Within 2 years after November 15, 1990, the State shall submit a revision to the State implementation plan to require that the owner or operator of each stationary source of oxides of nitrogen or volatile organic compounds provide the State with a statement, in such form as the Administrator may prescribe (or accept an equivalent alternative developed by the State), for classes or categories of sources, showing the actual emissions of oxides of nitrogen and volatile organic compounds from that source. The first such statement shall be submitted within 3 years after November 15, 1990. Subsequent statements shall be submitted at least every year thereafter. The statement shall contain a certification that the information contained in the statement is accurate to the best knowledge of the individual certifying the statement.
- (ii) The State may waive the application of clause (i) to any class or category of stationary sources which emit less than 25 tons per year of volatile organic compounds or oxides of nitrogen if the State, in its submissions under subparagraphs (1) or (3)(A), provides an inventory of emissions from such class or category of sources, based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator.

The requirements of § 182(a)(3)(B) in the CAA relevant to the 2015 ozone NAAQS that are required to be in New Mexico's SIP are already contained in New Mexico's current SIP. These requirements reside in New Mexico's SIP at 20.2.73 New Mexico Administrative Code (NMAC), Notice of Intent and Emissions Inventory Requirements. EPA approved these regulations in 2012 (77 FR 70693, November 27, 2012).



20.2.73.300 Emission Inventory Requirements:

With regard to an ozone nonattainment area, this section (20.2.73.300(A) NMAC) applies to all stationary sources that have a construction permit, filed a notice of intent, or emits more than ten tons per year (tpy) of nitrogen oxides (NO_x) or volatile organic compounds (VOC).

Reporting requirements (20.2.73.300(B) NMAC) include annual emissions reports for any major source with the potential to emit more than 100 tpy and any source that has the potential to emit more than 25 tpy of NO_x and VOC within the nonattainment area submitted by April 1 of each year or a date set by permit conditions. Sources that emit between 10-25 tpy must keep annual emissions records and provide them in an approved format upon request from the department. Owners and operators have the option to request the previous year's emissions reports from the department at least 90 days prior to the submittal of emissions reports.

Emissions reports must contain all contact and facility information along with a signed certifying statement from the certifying official authorized to attest to the accuracy and validity of the emissions submitted on behalf of the facility (20.2.73.300(C) NMAC). The contents of the report must also include the control equipment and the control efficiency for emissions points for each process, annual throughputs for each fuel type, stack and gas parameters, schedule of operations, fuel heat, sulfur, and ash content. The estimates of actual and fugitive emissions due to startups, shutdowns, maintenance and malfunctions for NO_x and VOC including the calculations if requested by the department. At a minimum, all information required in the Air Emissions Reporting Rule must be included.

Additional reporting requirements for sources within the nonattainment area (20.2.73.300(D) NMAC) include typical daily process rates for the ozone season as determined by the department. Estimated actual emissions of NO_x and VOC from each emissions point for each process and fuel type in units of tons per day for annual emissions and pounds per day for a typical ozone season day.

Waiver exemption of emissions reporting requirements (20.2.73.300(E) NMAC) does not apply for NO_x and VOC within an ozone nonattainment area due to the pollutants being precursors to tropospheric ozone formation and can potentially have a negative impact on the nonattainment area.



APPENDICES



APPENDIX A

PUBLIC COMMENT & HEARING REQUEST NOTICE

NEW MEXICO ENVIRONMENT DEPARTMENT

Notice of Opportunity for Public Hearing and Comment

New Mexico's Proposed State Implementation Plan Revision for the 2015 Ozone National Ambient Air Quality Standard

The New Mexico Environment Department (“NMED”) announces an opportunity to comment on or request a public hearing on a proposed revision to New Mexico’s federally-approved State Implementation Plan (“SIP”) that addresses elements of Clean Air Act (“CAA”) Section 182(a). The proposed certification and revision are for the Sunland Park marginal ozone nonattainment area (“SLP O₃ NAA”), as applicable to the 2015 ozone National Ambient Air Quality Standard (“NAAQS”). Specifically, NMED addresses Sections 182(a)(1) & 182(a)(3)(B) in respect to baseline emissions inventory and emissions statement certification requirements in this submittal. The purpose of the proposed action is to fulfill New Mexico’s planning requirements and obligations under the CAA for the SLP O₃ NAA.

Legislative authority for New Mexico’s air quality program is codified in Chapter 74, Environmental Improvement, of the New Mexico Statutes, which gives the New Mexico Environmental Improvement Board and NMED the authority to implement the CAA in New Mexico, excluding Albuquerque/Bernalillo County, which is under the jurisdiction of a local board and agency, and Tribal Lands. The proposed SIP revision was developed by NMED to comply with the requirements contained in Section 182 of the CAA and 40 CFR Part 51, *Requirements for Preparation, Adoption, and Submittal of Implementation Plans*. The proposed revision does not adopt or amend any regulations; therefore, it is not subject to the mandatory public hearing requirement of NMSA 1978 Section 74-2-6, *Adoption of Regulations; Notice and Hearings*. However, a hearing may be requested as described below.

New Mexico’s proposed *Sunland Park Ozone Nonattainment Area State Implementation Plan Revision for the 2015 Ozone NAAQS* is available for a 30-day public comment period. Submission of comments on the proposed revision may be written or oral. All comments must be received by August 19, 2020. All public comments received during the comment period will be evaluated and responded to as appropriate by NMED prior to submission of the final revision to EPA. If a request for a public hearing is received during the 30-day public comment period, a hearing date, time and location will be announced at a later date, in accordance with 20.1.1 NMAC – *Rulemaking Procedures – Environmental Improvement Board*, including an additional public comment period. Upon completion of the 30-day public comment period and the hearing, if requested, all documents included in New Mexico’s Sunland Park Ozone Nonattainment Area SIP Revision will be submitted to EPA to be included in the New Mexico SIP.

The proposed revision may be reviewed at the NMED Air Quality Bureau’s web site at <https://www.env.nm.gov/air-quality/proposed-regs/>.



Written comments, requests for copies and/or public hearing requests regarding the proposed revision should be submitted via email, mail, or fax to:

New Mexico Environment Department
ATTN: Armando Paz, Air Quality Bureau
2301 Entrada del Sol
Las Cruces, NM 88001
armando.paz@state.nm.us
(Office): (575) 449-2983
(Fax): (575) 526-3891

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, you may contact:

*Kristine Yurdin,
NMED Non-Discrimination Coordinator
1190 St. Francis Dr., Suite N4050
P.O. Box 5469
Santa Fe, NM 87502
(505) 827-2855
nd.coordinator@state.nm.us*

If you believe that you have been discriminated against with respect to an NMED program or activity, you may contact the Non-Discrimination coordinator identified above or visit our website at <https://www.env.nm.gov/non-employee-discrimination-complaint-page/> to learn how and where to file a complaint of discrimination.



DEPARTAMENTO DE MEDIO AMBIENTE DE NUEVO MÉXICO
Aviso de oportunidad para audiencia y comentarios públicos
Revisión del Plan de Implementación del Estado propuesto por Nuevo México para
el Estándar Nacional de Calidad del Aire Ambiente de Ozono de 2015

El Departamento de Medio Ambiente de Nuevo México ("NMED" por sus siglas en inglés) anuncia una oportunidad para comentarios o para solicitar una audiencia pública sobre una propuesta de revisión del Plan de Implementación del Estado ("SIP" por sus siglas en inglés) de Nuevo México, aprobado por el gobierno federal, que aborda elementos de la Ley del Aire Limpio ("CAA" por sus siglas en inglés), Sección 182(a). La certificación y la revisión propuestas corresponden al área marginal de incumplimiento de ozono de Sunland Park ("SLP O3 NAA"), según se aplica al Estándar Nacional de Calidad del Aire Ambiental ("NAAQS" por sus siglas en inglés) de ozono de 2015. Específicamente, NMED aborda las secciones 182(a)(1) y 182(a)(3)(B) con respecto al inventario de emisiones de línea de base y los requisitos de certificación de la declaración de emisiones en esta presentación. El propósito de la acción propuesta es cumplir con los requisitos y obligaciones de planificación de Nuevo México bajo CAA para el SLP O3 NAA.

La autoridad legislativa para el programa de calidad del aire de Nuevo México está codificada en el Capítulo 74, Mejoramiento Ambiental, de los Estatutos de Nuevo México, que le da la Junta de Mejoramiento Ambiental de Nuevo México y al NMED la autoridad para implementar la CAA en Nuevo México, excluyendo el condado de Bernalillo/ Albuquerque, que está bajo la jurisdicción de una junta y organismo local, y Tierras Tribales. La propuesta de revisión del SIP fue desarrollada por el NMED para cumplir con los requisitos contenidos en la Sección 182 de la CAA y 40 CFR Parte 51, *Requisitos para la Preparación, Adopción y Presentación de Planes de Implementación*. La revisión propuesta no adopta ni enmienda ningún reglamento; por lo tanto, no está sujeta al requisito de audiencia pública obligatoria de NMSA 1978 Sección 74-2-6, *Adopción de Reglamentos; Avisos y Audiencias*. Sin embargo, se puede solicitar una audiencia como se describe a continuación.

La propuesta de revisión del plan de implementación del estado del área de no cumplimiento de ozono de Sunland Park de Nuevo México para el NAAQS de ozono 2015 está disponible para un período de comentarios públicos de 30 días. La presentación de comentarios sobre la revisión propuesta puede ser oral o por escrito. Todos los comentarios deben recibirse hasta el 19 de agosto de 2020. Todos los comentarios públicos recibidos durante el período de comentarios serán evaluados y respondidos por el NMED, según corresponda, antes de la presentación de la revisión final a EPA. Si se recibe una solicitud de audiencia pública durante el período de comentarios públicos de 30 días, se anunciará una fecha, hora y lugar de la audiencia en una fecha posterior, de acuerdo con el 20.1.1 NMAC - Procedimientos de Reglamentación - Junta de Mejoramiento Ambiental, incluido un período adicional de comentarios públicos. Una vez completado el período de 30 días de comentarios públicos y la audiencia, si se solicita, todos los documentos incluidos en la Revisión del SIP del Área de No cumplimiento de Ozono de Sunland Park de Nuevo México se presentarán a la EPA para ser incluidos en el SIP de Nuevo México.



La revisión propuesta puede ser revisada en el sitio web de la Oficina de Calidad del Aire del NMED en <https://www.env.nm.gov/air-quality/proposed-regs/>.

Los comentarios por escrito, las solicitudes de copias y/o las solicitudes de audiencias públicas con respecto a la revisión propuesta deberán presentarse por correo electrónico, correo postal o fax a:

New Mexico Environment Department
ATTN: Armando Paz, Air Quality Bureau
2301 Entrada del Sol
Las Cruces, NM 88001
armando.paz@state.nm.us
(Office): (575) 449-2983
(Fax): (575) 526-3891

NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exigen las leyes y regulaciones aplicables. NMED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas sobre los requisitos de no discriminación implementados por 40 C.F.R. Partes 5 y 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975, el Título IX de las Enmiendas de Educación de 1972 y la Sección 13 de las Enmiendas de la Ley de Control de la Contaminación del Agua de 1972. Si tiene alguna pregunta sobre este aviso o alguno de los programas, políticas o procedimientos de no discriminación de NMED o si cree que ha sido discriminado con respecto a un programa o actividad de NMED, puede comunicarse con:

*Kristine Yurdin, coordinadora de no discriminación
Departamento de Medio Ambiente de Nuevo México
1190 St. Francis Dr., Suite N4050
P.O. Box 5469
Santa Fe, NM 87502
(505) 827-2855
nd.coordinator@state.nm.us*

También puede visitar nuestro sitio web en <https://www.env.nm.gov/non-employee-discrimination-complaint-page/> para saber cómo y dónde presentar una queja de discriminación.



AFFIDAVIT OF PUBLICATION

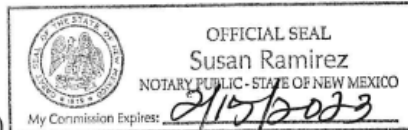
STATE OF NEW MEXICO

County of Bernalillo SS

NEW MEXICO ENVIRONMENT DEPARTMENT
NOTICE OF OPPORTUNITY FOR PUBLIC HEARING AND COMMENT
NEW MEXICO'S PROPOSED STATE IMPLEMENTATION PLAN REVISION FOR THE 2015 OZONE

Elise Rodriguez, the undersigned, on oath states that she is an authorized Representative of The Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court cost; that the notice, copy of which hereto attached, was published in said paper in the regular daily edition, for 1 time(s) on the following date(s):

07/19/2020



Received
AUG 12 2020
Air Quality Bureau

Elise Rodriguez

SRM

Sworn and subscribed before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this 20 day of July of 2020

PRICE \$353.36

Statement to come at the end of month.

ACCOUNT NUMBER 1007594



The New Mexico Environment Department ("NMED") announces an opportunity to comment on or request a public hearing on a proposed revision to New Mexico's federally-approved State Implementation Plan ("SIP") that addresses elements of Clean Air Act ("CAA") Section 182(a). The proposed certification and revision are for the Sunland Park marginal ozone nonattainment area ("SLP O3 NAA"), as applicable to the 2015 ozone National Ambient Air Quality Standard ("NAAQS"). Specifically, NMED addresses Sections 182(a)(1) & 182(a)(3)(B) in respect to baseline emissions inventory and emissions state-mandated certification requirements in this submittal. The purpose of the proposed action is to fulfill New Mexico's planning requirements and obligations under the CAA for the SLP O3 NAA.

Legislative authority for New Mexico's air quality program is codified in Chapter 74, Environmental Improvement, of the New Mexico Statutes, which gives the New Mexico Environmental Improvement Board and NMED the authority to implement the CAA in New Mexico, excluding Albuquerque/Bernalillo County, which is under the jurisdiction of a local board and agency, and Tribal Lands. The proposed SIP revision was developed by NMED to comply with the requirements contained in Section 182 of the CAA and 40 CFR Part 51, Requirements for Preparation, Adoption, and Submittal of Implementation Plans. The proposed revision does not adopt or amend any regulations; therefore, it is not subject to the mandatory public hearing requirement of NMSA 1979 Section 74-2-6, Adoption of Regulations: Notice and Hearings. However, a hearing may be requested as described below.

New Mexico's proposed Sunland Park Ozone Nonattainment Area State Implementation Plan Revision for the 2015 Ozone NAAQS is available for a 30-day public comment period. Submission of comments on the proposed revision may be written or oral. All comments must be received by August 19, 2020. All public comments received during the comment period will be

evaluated and responded to as appropriate by NMED prior to submission of the final revision to EPA. If a request for a public hearing is received during the 30-day public comment period, a hearing date, time and location will be announced at a later date, in accordance with 20.1.1 NMAC - Rulemaking Procedures - Environmental Improvement Board, including an additional public comment period. Upon completion of the 30-day public comment period and the hearing, if requested, all documents included in New Mexico's Sunland Park Ozone Nonattainment Area SIP Revision will be submitted to EPA to be included in the New Mexico SIP.

The proposed revision may be reviewed at the NMED Air Quality Bureau's web site at <https://www.env.nm.gov/air-quality/proposed-regs/>.

Written comments, requests for copies and/or public hearing requests regarding the proposed revision should be submitted via email, mail, or fax to:

New Mexico Environment Department
ATTN: Armando Paz, Air Quality Bureau
2301 Entrada del Sol
Las Cruces, NM 88001
armando.paz@state.nm.us
(Office): (575) 449-2983
(Fax): (575) 526-3891

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975; Title IX of the Education Amendments of 1972; and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, you may contact:

Kristine Yurdin
NMED Non-Discrimination Coordinator
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nd.coordinator@state.nm.us

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Journal: July 19, 2020



AFFIDAVIT OF PUBLICATION

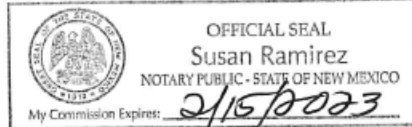
STATE OF NEW MEXICO

County of Bernalillo SS

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Elise Rodriguez, the undersigned, on oath states that she is an authorized Representative of The Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which hereto attached, was published in said paper in the regular daily edition, for 1 time(s) on the following date(s):

07/19/2020



Elise Rodriguez

SRM

Received

AUG 12 2020

Air Quality Bureau

Sworn and subscribed before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico, this 20 day of July of 2020

PRICE \$417.56

Statement to come at the end of month.

ACCOUNT NUMBER 1007594



DEPARTAMENTO DE MEDIO AMBIENTE DE NUEVO MEXICO

Aviso de oportunidad para audiencia y comentarios públicos Revisión del Plan de Implementación del Estado propuesto por Nuevo México para el Estándar Nacional de Calidad del Aire Ambiente de Ozono de 2015

El Departamento de Medio Ambiente de Nuevo México ("NMED" por sus siglas en inglés) anuncia una oportunidad para comentarios o para solicitar una audiencia pública sobre una propuesta de revisión del Plan de Implementación del Estado ("SIP" por sus siglas en inglés) de Nuevo México, aprobado por el gobierno federal, que aborda elementos de la Ley del Aire Limpio ("CAA" por sus siglas en inglés), Sección 182(a). La certificación y la revisión propuestas corresponden al área marginal de incumplimiento de ozono de Sunland Park ("SLP O3 NAA"), según se aplica al Estándar Nacional de Calidad del Aire Ambiental ("NAAQs" por sus siglas en inglés) de ozono de 2015. Específicamente, NMED aborda las secciones 182(a)(1) y 182(a)(3)(B) con respecto al inventario de emisiones de línea de base y los requisitos de certificación de la declaración de emisiones en esta presentación. El propósito de la acción propuesta es cumplir con los requisitos y obligaciones de planificación de Nuevo México bajo CAA para el SLP O3 NAA.

La autoridad legislativa para el programa de calidad del aire de Nuevo México está codificada en el Capítulo 74, Mejoramiento Ambiental, de los Estatutos de Nuevo México, que le da la Junta de Mejoramiento Ambiental de Nuevo México y al NMED la autoridad para implementar la CAA en Nuevo México, excluyendo el condado de Bernalillo/Albuquerque, que está bajo la jurisdicción de una junta y organismo local, y Tierras Tribales. La propuesta de revisión del SIP fue desarrollada por el NMED para cumplir con los requisitos contenidos en la Sección 182 de la CAA y 40 CFR Parte 51, Requisitos para la Preparación, Adopción y Presentación de Planes de Implementación. La revisión propuesta no adopta ni enmienda ningún reglamento; por lo tanto, no está sujeta al requisito de audiencia pública obligatoria de NMSA 1978 Sección 74-2-6, Adopción de Reglamentos; Avisos y Audiencias. Sin embargo, se puede solicitar una audiencia como se describe a continuación.

La propuesta de revisión del plan de implementación del estado del área de no cumplimiento de ozono de Sunland Park de Nuevo México para el NAAQS de ozono 2015 está disponible para un periodo de comentarios públicos de 30 días. La presentación de comentarios sobre la revisión propuesta puede ser oral o por escrito. Todos los comentarios deben recibirse hasta el 19 de agosto de 2020. Todos los comentarios públicos recibidos durante el periodo de comentarios serán evaluados y respondidos por el NMED, según corresponda, antes de la presentación de la revisión final a EPA. Si se recibe una solicitud de audiencia pública durante el periodo de comentarios públicos de 30 días, se anunciará una fecha, hora y lugar de la audiencia en una fecha posterior, de acuerdo con el 20.1.1 NMAC - Procedimientos de Reglamentación - Junta de Mejoramiento Ambiental, incluido un periodo adicional de comentarios públicos. Una vez completado el periodo de 30 días de comentarios públicos y la audiencia, si se solicita, todos los documentos incluidos en la Revisión del SIP del Área de No cumplimiento de Ozono de Sunland Park de Nuevo México se presentarán a la EPA para ser incluidos en el SIP de Nuevo México.

La revisión propuesta puede ser revisada en el sitio web de la Oficina de Calidad del Aire del NMED en <https://www.env.nm.gov/air-quality/proposed-regs/>.

Los comentarios por escrito, las solicitudes de copias y/o las solicitudes de audiencias públicas con respecto a la revisión propuesta deberán presentarse por correo electrónico, correo postal o fax a:

New Mexico Environment Department
ATTN: Armando Paz, Air Quality Bureau
2301 Entrada del Sol
Las Cruces, NM 88001
armando.paz@state.nm.us
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Kristine Yurdin, coordinadora de no discriminación
Departamento de Medio Ambiente de Nuevo México
1190 St. Francis Dr., Suite N4050
P.O. Box 5469
Santa Fe, NM 87502
(505) 827-2855
nd.coordinator@state.nm.us

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Affidavit of Publication

Ad # 0004287821

This is not an invoice



NEW MEXICO ENVIRONMENTAL DEPARTMENT
525 CAMINO DE LOS MARQUEZ STE.

SANTA FE, NM 87505

I, a legal clerk of the **Las Cruces Sun News**, a newspaper published daily at the county of Dona Ana, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

07/19/2020

Desponent further states this newspaper is duly qualified to publish legal notice or advertisements within the meaning of Sec. Chapter 167, Laws of 1937.



Legal Clerk

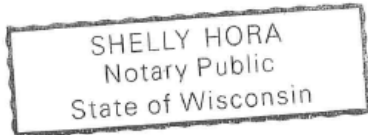
Subscribed and sworn before me this July 19, 2020:



State of WI, County of Brown
NOTARY PUBLIC



My commission expires



Ad # 0004287821
PO #: 35660
of Affidavits 1

This is not an invoice



**NEW MEXICO ENVIRONMENT DEPARTMENT
Notice of Opportunity for
Public Hearing and
Comment**

**New Mexico's Proposed
State Implementation Plan
Revision for the 2015 Ozone
National Ambient Air
Quality Standard**

The New Mexico Environment Department ("NMED") announces an opportunity to comment on or request a public hearing on a proposed revision to New Mexico's federally-approved State Implementation Plan ("SIP") that addresses elements of Clean Air Act ("CAA") Section 182(a). The proposed certification and revision are for the Sunland Park marginal ozone nonattainment area ("SLP O3 NAA"), as applicable to the 2015 ozone National Ambient Air Quality Standard ("NAAQS"). Specifically, NMED addresses Sections 182(a)(1) & 182(a)(3)(B) in respect to baseline emissions inventory and emissions statement certification requirements in this submittal. The purpose of the proposed action is to fulfill New Mexico's planning requirements and obligations under the CAA for the SLP O3 NAA.

Legislative authority for New Mexico's air quality program is codified in Chapter 74, Environmental Improvement, of the New Mexico Statutes, which gives the New Mexico Environmental Improvement Board and NMED the authority to implement the CAA in New Mexico, excluding Albuquerque/Bernalillo County, which is under the jurisdiction of a local board and agency, and Tribal Lands. The proposed SIP revision was developed by NMED to comply with the requirements contained in Section 182 of the CAA and 40 CFR Part 51, Requirements for Preparation, Adoption, and Submittal of Implementation Plans. The proposed revision does not adopt or amend any regulations; therefore, it is not subject to the mandatory public hearing requirement of NMSA 1978 Section 74-2-6, Adop-

tion of Regulations; Notice and Hearings. However, a hearing may be requested as described below.

New Mexico's proposed Sunland Park Ozone Nonattainment Area State Implementation Plan Revision for the 2015 Ozone NAAQS is available for a 30-day public comment period. Submission of comments on the proposed revision may be written or oral. All comments must be received by August 19, 2020. All public comments received during the comment period will be evaluated and responded to as appropriate by NMED prior to submission of the final revision to EPA. If a request for a public hearing is received during the 30-day public comment period, a hearing date, time and location will be announced at a later date, in accordance with 20.1.1 NMAC – Rulemaking Procedures – Environmental Improvement Board, including an additional public comment period. Upon completion of the 30-day public comment period and the hearing, if requested, all documents included in New Mexico's Sunland Park Ozone Nonattainment Area SIP Revision will be submitted to EPA to be included in the New Mexico SIP.

The proposed revision may be reviewed at the NMED Air Quality Bureau's web site at <https://www.env.nm.gov/air-quality/proposed-regs/>.

Written comments, requests for copies and/or public hearing requests regarding the proposed revision should be submitted via email, mail, or fax to:

New Mexico Environment
Department
ATTN: Armando Paz, Air
Quality Bureau
2301 Entrada del Sol
Las Cruces, NM 88001
armando.paz@state.nm.us
(Office): (575) 449-2983
(Fax): (575) 526-3891

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tion of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Part 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, you may contact:

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NMED Non-Discrimination
Coordinator
1190 St. Francis Dr., Suite
N4050
P.O. Box 5469
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(505) 827-2855
nd.coordinator@state.nm.us

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**DEPARTAMENTO DE MEDIO
AMBIENTE DE NUEVO
MÉXICO**
**Aviso de oportunidad para
audiencia y comentarios
públicos**
**Revisión del Plan de
Implementación del Estado
propuesto por Nuevo
México para
el Estándar Nacional de
Calidad del Aire Ambiente
de Ozono de 2015**

El Departamento de Medio Ambiente de Nuevo México ("NMED" por sus siglas en inglés) anuncia una oportunidad para comentarios o para solicitar una audiencia pública sobre una propuesta de revisión del Plan de Implementación del Estado ("SIP" por sus siglas



en inglés) de Nuevo México, aprobado por el gobierno federal, que aborda elementos de la Ley del Aire Limpio ("CAA" por sus siglas en inglés), Sección 182(a). La certificación y la revisión propuestas corresponden al área marginal de incumplimiento de ozono de Sunland Park ("SLP O3 NAA"), según se aplica al Estándar Nacional de Calidad del Aire Ambiental ("NAAQS" por sus siglas en inglés) de ozono de 2015. Específicamente, NMED aborda las secciones 182(a)(1) y 182(a)(3)(B) con respecto al inventario de emisiones de línea de base y los requisitos de certificación de la declaración de emisiones en esta presentación. El propósito de la acción propuesta es cumplir con los requisitos y obligaciones de planificación de Nuevo México bajo CAA para el SLP O3 NAA.

La autoridad legislativa para el programa de calidad del aire de Nuevo México está codificada en el Capítulo 74, Mejoramiento Ambiental, de los Estatutos de Nuevo México, que le da la Junta de Mejoramiento Ambiental de Nuevo México y al NMED la autoridad para implementar la CAA en Nuevo México, excluyendo el condado de Bernalillo/Albuquerque, que está bajo la jurisdicción de una junta y organismo local, y Tierras Tribales. La propuesta de revisión del SIP fue desarrollada por el NMED para cumplir con los requisitos contenidos en la Sección 182 de la CAA y 40 CFR Parte 51, Requisitos para la Preparación, Adopción y Presentación de Planes de Implementación. La revisión propuesta no adopta ni enmienda ningún reglamento; por lo tanto, no está sujeta al requisito de audiencia pública obligatoria de NMSA 1978 Sección 74-2-6, Adopción de Reglamentos; Avisos y Audiencias. Sin embargo, se puede solicitar una audiencia como se describe a continuación.

La propuesta de revisión del

plan de implementación del estado del área de no cumplimiento de ozono de Sunland Park de Nuevo México para el NAAQS de ozono 2015 está disponible para un período de comentarios públicos de 30 días. La presentación de comentarios sobre la revisión propuesta puede ser oral o por escrito. Todos los comentarios deben recibirse hasta el 19 de agosto de 2020. Todos los comentarios públicos recibidos durante el período de comentarios serán evaluados y respondidos por el NMED, según corresponda, antes de la presentación de la revisión final a EPA. Si se recibe una solicitud de audiencia pública durante el período de comentarios públicos de 30 días, se anunciará una fecha, hora y lugar de la audiencia en una fecha posterior, de acuerdo con el 20.1.1 NMAC - Procedimientos de Reglamentación - Junta de Mejoramiento Ambiental, incluido un período adicional de comentarios públicos. Una vez completado el período de 30 días de comentarios públicos y la audiencia, si se solicita, todos los documentos incluidos en la Revisión del SIP del Área de No cumplimiento de Ozono de Sunland Park de Nuevo México se presentarán a la EPA para ser incluidos en el SIP de Nuevo México.

La revisión propuesta puede ser revisada en el sitio web de la Oficina de Calidad del Aire del NMED en <https://www.env.nm.gov/air-quality/proposed-regs/>.

Los comentarios por escrito, las solicitudes de copias y/o las solicitudes de audiencias públicas con respecto a la revisión propuesta deberán presentarse por correo electrónico, correo postal o fax a:

New Mexico Environment
Department
ATTN: Armando Paz, Air
Quality Bureau
2301 Entrada del Sol
Las Cruces, NM 88001
armando.paz@state.nm.us
(Office): (575) 449-2983
(Fax): (575) 526-3891

NMED no discrimina por motivos de raza, color, origen nacional, discapacidad, edad o sexo en la administración de sus programas o actividades, según lo exigen las leyes y regulaciones aplicables. NMED es responsable de la coordinación de los esfuerzos de cumplimiento y la recepción de consultas sobre los requisitos de no discriminación implementados por 40 C.F.R. Partes 5 y 7, incluido el Título VI de la Ley de Derechos Civiles de 1964, según enmendada; Sección 504 de la Ley de Rehabilitación de 1973; la Ley de Discriminación por Edad de 1975, el Título IX de las Enmiendas de Educación de 1972 y la Sección 13 de las Enmiendas de la Ley de Control de la Contaminación del Agua de 1972. Si tiene alguna pregunta sobre este aviso o alguno de los programas, políticas o procedimientos de no discriminación de NMED o si cree que ha sido discriminado con respecto a un programa o actividad de NMED, puede comunicarse con:

Kristine Yurdin,
coordinadora de no
discriminación
Departamento de Medio
Ambiente de Nuevo México
1190 St. Francis Dr.,
Suite N4050
P.O. Box 5469
Santa Fe, NM 87502
(505) 827-2855
nd.coordinator@state.nm.us

También puede visitar nuestro sitio web en <https://www.env.nm.gov/non-employment-discrimination-complaint-page/> para saber cómo y dónde presentar una queja de discriminación.
#4287821, Sun-News,
July 19, 2020



NGVAMERICA

Natural Gas Vehicles for America

400 North Capitol Street, N.W.
Suite 450
Washington, D.C. 20001
ngvamerica.org

Sherrie Merrow

Director, State Government Affairs
smerrow@ngvamerica.org
303.883.5121



August 19, 2020

Mr. Armando Paz
Air Quality Bureau
2301 Entrada del Sol
Las Cruces, New Mexico 88001

RE: NGVamerica Comments on the State of New Mexico State Implementation Plan (SIP) Revision

Dear Mr. Paz:

Natural Gas Vehicles for America (NGVamerica), the national trade association for the natural gas vehicle industry, respectfully submits the following comments on the State of New Mexico Environment Department (NMED) Proposed SIP Revision. New Mexico has a serious air quality problem in the Sunland Park region, where heavy duty Class 8 trucks, locomotives and equipment are a major component of NOx and PM emissions. Natural gas vehicles (NGVs) can provide more than a 90 percent reduction in NOx emissions compared to the latest diesel powered vehicles and virtually eliminate PM emissions when compared to older diesel vehicles. Moreover, based on using the calculations of the U.S. Department of Energy Argonne Laboratory AFLEET tool, it costs \$27 to reduce one pound of NOx using an NGV Class 8 truck vs. \$58 per pound of NOx using a new Diesel Class 8 truck.

In the "New Mexico Natural Gas Vehicle Report" initiated by House Joint Memorial 5: Increase Natural Gas Vehicle Use, and prepared by the Energy, Minerals and Natural Resources Department in November of 2016, the air quality in the Santa Teresa area (Sunland Park) was identified as a problem that NGVs could help:

"Santa Teresa is currently violating the federal 2015 Ozone National Ambient Air Quality Standard (NAAQS). Due to the area violating the federal Ozone NAAQS, the state is required under the federal Clean Air Act to develop a "nonattainment plan" for the area demonstrating how the state will reduce emissions that are contributing to the violation of the Ozone NAAQS. One of the primary precursors of ground level ozone pollution is nitrogen oxides (NOx). One of the primary controllable sources of NOx within the Santa Teresa area is vehicle emissions. To reduce NOx emissions within this area, the pilot project aims to convert several current diesel truck fleets that run within the Santa Teresa North American Free Trade Agreement (NAFTA) region to operate on compressed or liquefied natural gas. The pilot project also aims to provide a natural gas fueling station at the Santa Teresa Industrial Park that is located along the Pete V. Domenici International Highway. The workgroup for the pilot project is looking into federal and other incentives that could be used for fleet conversions and NGV fueling station development.

The conversion of diesel fleets to natural gas in Santa Teresa could not only help reduce NOx emissions and assist the state with complying with the 2015 Ozone NAAQS, but also provide commercial fleets with a fuel that historically costs less than diesel."

The pilot project mentioned above was not able to obtain funding but remains a worthy project to implement in support of the NM SIP Revision. There now is potential partial funding for NGVs through the VW Funds distributed to

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New Mexico, but this funding does not support the needed stations. NMED has been diligent in wisely using this VW funding to continue its commitment to accelerating the use of cleaner, alternative fuels that offer a cost-effective alternative to funding diesel vehicles. Allocating this funding for alternative fuel projects over diesel initiatives allows New Mexico to achieve greater emissions reductions both at the tailpipe and throughout the fuel and vehicle life cycle which could directly affect the reduction of NOx emissions today in the Sunland Park Region.

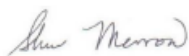
The latest natural gas engines achieve zero emission equivalent emissions having been certified to perform at 0.02 g/bhp-hr of nitrogen oxide (NOx) emissions or better and should not be confused with diesel engines certified to the 2010 EPA standard of 0.2 g/bhp-hr NOx standard.¹ The 0.02 g/bhp-hr NOx standard requires that new engines outperform the federal standard by 90 percent and is the cleanest heavy-duty engine standard today. It also is the lowest level currently recognized under California's Optional Low-NOx Standard (OLNS) for engine.

Moreover, if renewable natural gas (RNG) is used, life cycle greenhouse gas emissions from NGVs are reduced further. Using RNG also creates a market for energy created from wastewater treatment, landfills, animal waste and other methane sources and significantly increases air quality by reducing the amount of methane released. New Mexico recently enacted 2020 HB 146 that provides an incentive to dairy farmers to deliver their dairy waste to RNG facilities such as is being done in Dexter, New Mexico. This incentive should help to grow the RNG development in New Mexico resulting in more jobs and cleaner air.

In addition to the above on-road applications, natural gas also is capable of powering non-road applications such as freight switchers and other locomotives. Natural gas ferries and ships are also available and in use. NGV America applauds the NMED on the inclusion of these natural gas engine applications for the VW funding. The near zero engines are proven, cost-effective and available today for medium and heavy-duty vehicles, whether on-road or non-road.

NGV America welcomes the opportunity to provide further information and analysis on the economic and environmental benefits of natural gas vehicles in New Mexico. Please contact me with any questions or comments at smerrow@ngvamerica.org or 303.883.5121.

Sincerely,



Sherrie Merrow
Director, State Government Affairs

¹ See SCAQMD press release from June 3, 2016 providing details on the petition filed by state authorities urging the U.S. EPA to adopt the 0.02 NOx standard (<http://www.aqmd.gov/home/library/public-information/2016-news-archives/nox-petition-to-epa>) (Today's action follows a March 4 vote by the SCAQMD's Governing Board to formally petition the U.S. EPA to adopt a so-called "near-zero" or "ultra-low" emissions standard for heavy-duty truck engines that is 90 percent cleaner than the current standard).

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August 19, 2020

Mr. Armando Paz
Air Quality Bureau
2301 Entrada del Sol
Las Cruces, New Mexico 88001

RE: Land of Enchantment Clean Cities Comments on the State of New Mexico State Implementation Plan (SIP) Revision

Dear Mr. Paz:

Land of Enchantment Clean Cities Coalition (LOECC) is a not-for-profit, fuel-neutral organization that is part a national network of coalitions focusing on transportation fuels and efficiency. On behalf of myself and the LOECC board of directors, I would like to submit the following comments regarding the SIP Revision, proposed by New Mexico Environment Department (NMED).

Our Coalition has long struggled to support alternative-transportation fuels and projects on the border, specifically Sunland Park. We have worked with NGV America and regional southern New Mexico transits to that end and fully understand the recommendations made in the *New Mexico Natural Gas Vehicle Report* initiated by House Joint Memorial 5 in 2016; that natural gas vehicle use would improve the air quality in the Santa Teresa area, with Sunland Park identified as a critical problem.

Air-quality and environmental-injustice problems further encourage discussion of vehicle use and emissions reduction. Our coalition supports not only natural gas vehicles, but all non-gasoline or diesel fuels as defined in the Energy Policy Act of 1992. However, our experience is deeply rooted in medium- and heavy-duty natural-gas engines. But our mission has expanded over the decades to include electric powertrains and combinations of efficient-vehicle platforms with and without engines – whatever is best suited for New Mexico. For example, our Santa Fe and Albuquerque transit and refuse fleets using the latest natural gas engines achieve zero-emission equivalent emissions at 0.02 g/bhp-hr of nitrogen oxide (NOx) emissions – out performing diesel engine standards, certified to the 2010 EPA 0.2 g/bhp-hr NOx and California’s Optional Low-NOx Standard (OLNS).

We also work with fleets to integrate alternative fuels and efficient engine/power-train management technologies that address NOx, PM, and GHG emissions as well as criteria pollutants. Hybrid- or conventionally designed natural-gas vehicles can reduce NOx and PM emissions most dramatically at lower-maintenance costs than diesel-powered vehicles. Hybrid-electric natural gas vehicles harmonize the drive cycles of the engine with electric drivetrain with impressive vehicle-cost payback and lower cost per pound of NOx reduced. Additionally, LOECC advocates for idle reduction as a lower-cost option that may well-benefit Santa Teresa.

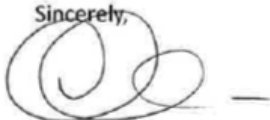
Land of Enchantment Clean Cities wholeheartedly supports any NOx or PM reduction in the border region and elsewhere. We believe that a heavy-duty natural gas vehicle project, coupled with a compressed natural gas (CNG) fueling station using CNG conventional or hybrid trucks, would demonstrate significant results. This view takes into account the complex-trucking infrastructure and funding constraints involved. On a similar note, last year LOECC assisted Estancia Valley Solid Waste Authority with a successful VW Beneficiary and Mitigation funding application and would provide similar help to border entities in another phase of Settlement funding for two Class 8 short-haul refuse roll-off trucks.



We are a technically oriented coalition, working hands-on with current natural gas engines. Using NM produced fossil or renewable natural gas, these engines achieve zero-emissions, having been certified to perform at 0.02 g/bhp-hr of nitrogen oxide (NOx) or better.¹ The 0.02 g/bhp-hr NOx standard requires that new engines outperform the federal standard by 90 percent and is the cleanest heavy-duty engine standard today. It is also the lowest NOx level currently recognized under California's Optional Low-NOx Standard (OLNS) for engines. Our coalition will follow through with project support and specialize in fleet-manager and technician training to ensure project success. Likewise, we endeavor to stay current with renewable natural gas projects in New Mexico, having worked with EMNRD on the Agricultural Biomass Energy tax credit and other biomass efforts.

Land of Enchantment Clean Cities Coalition stands ready to provide further information and support related to the economic and environmental benefits of natural gas vehicles and advanced power-trains to improve air quality. Please contact me with any questions or comments at loecleancities@newmexico.com or 505-438-7356

Sincerely,



Colin Messer
Executive Director
Land of Enchantment Clean Cities Coalition

¹ See SCAQMD press release from June 3, 2016 providing details on the petition filed by state authorities urging the U.S. EPA to adopt the 0.02 NOx standard (<http://www.aqmd.gov/home/library/public-information/2016-news-archives/nox-petition-to-epa>) (Today's action follows a March 4 vote by the SCAQMD's Governing Board to formally petition the U.S. EPA to adopt a so-called "near-zero" or "ultra-low" emissions standard for heavy-duty truck engines that is 90 percent cleaner than the current standard).



The New Mexico Environment Department (NMED) appreciates the comment letters provided by NGV America and Land of Enchantment Clean Cities Coalition (LOECC) proposing alternative fuel solutions for medium to heavy-duty Class 8 diesel vehicles for the Sunland Park State Implementation Plan (SIP) Revision and Certification.

Although, NMED agrees with the comment letters provided, unfortunately, the SIP Revision and Certification will not incorporate the use of alternative fuel solutions for vehicles into the SIP at this time. The baseline emissions inventory and the reporting requirements of emissions inventories for major sources in the ozone nonattainment area are the focus of the SIP Revision and Certification.

NMED will engage and keep active discussions with key stakeholders to explore alternative fuel solutions for mobile sources.

