



New Mexico Environment Department

Ozone Advance and 20.2.50 NMAC
4CAQG Annual Meeting
Air Quality Bureau
September 21-22, 2022



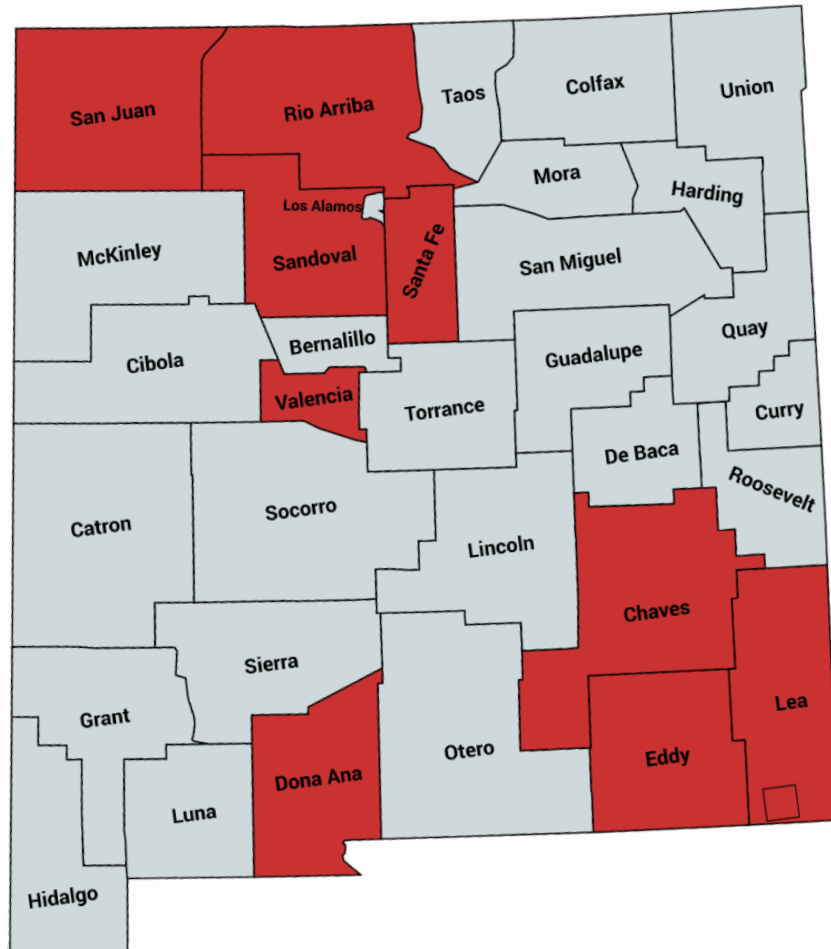


Ozone Attainment Initiative and Advance Program

EPA Voluntary Program

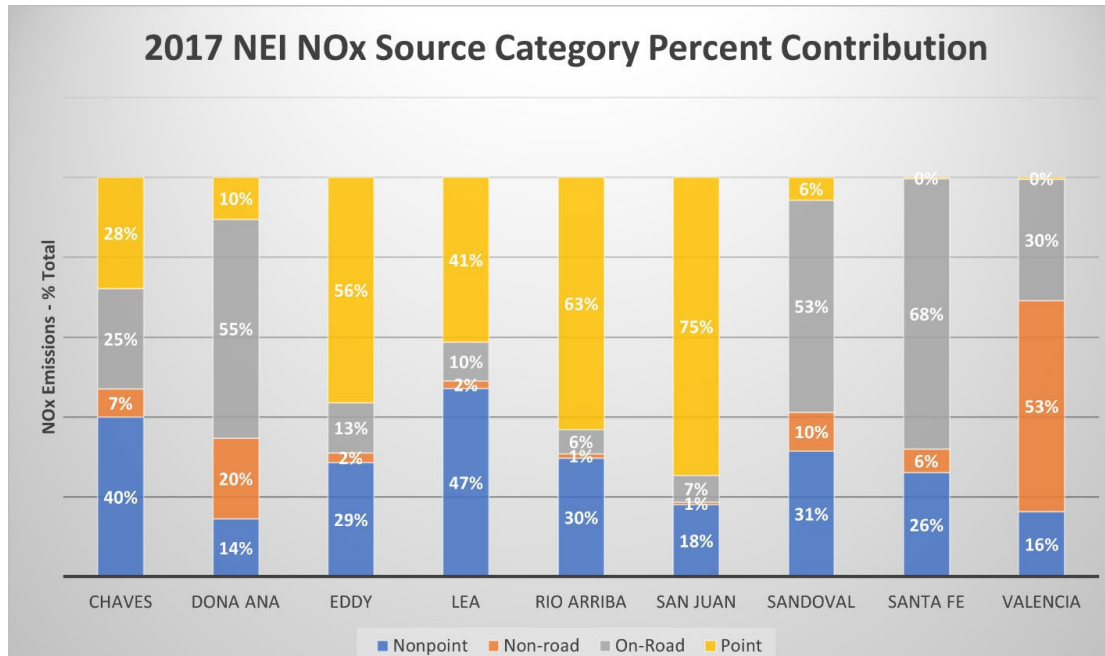
95% NAAQS
(.068 ppm O₃)

Works with
unique needs
of an area





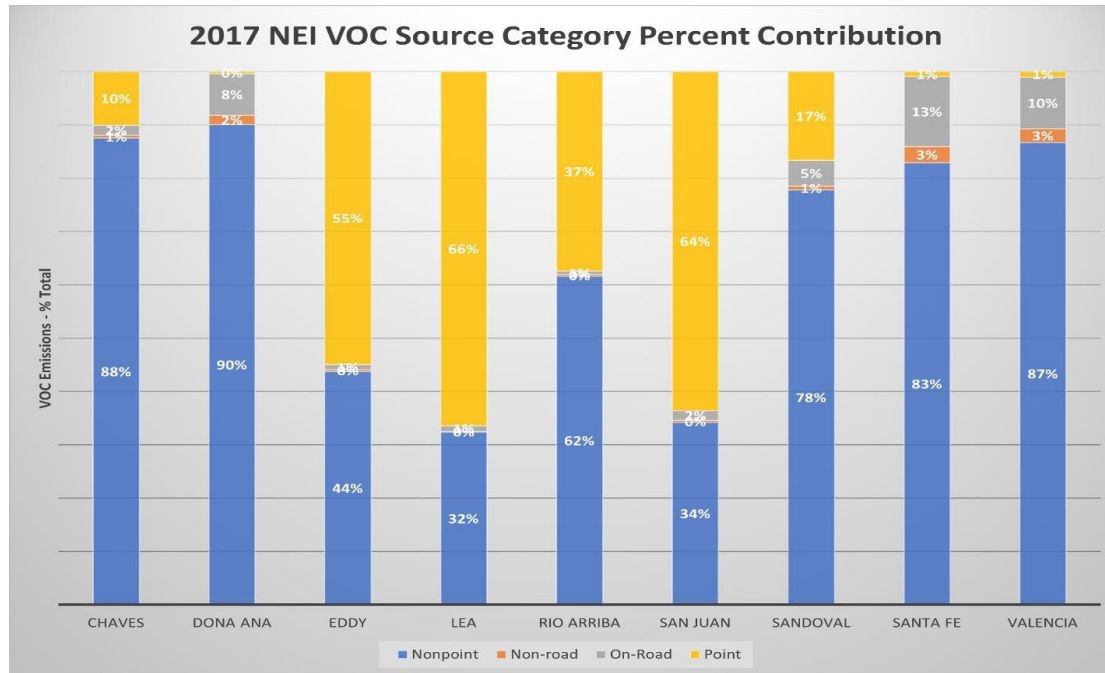
OAI/Advance Program



Source Category	Chaves	Dona Ana	Eddy	Lea	Rio Arriba	San Juan	Sandoval	Santa Fe	Valencia
Nonpoint	1,915	1,309	2,887	7,320	4,504	7,276	1,585	1,478	750
Non-Road	339	1,828	241	289	162	243	487	337	2,428
On-Road	1,202	4,966	1,265	1,500	916	2,688	2,675	3,842	1,396
Point	1,335	944	5,690	6,405	9,561	30,028	285	16	22
Total	4,791	9,048	10,083	15,514	1,543	40,234	5,032	5,673	4,596



OAI/Advance Program



Source Category	Chaves	Dona Ana	Eddy	Lea	Rio Arriba	San Juan	Sandoval	Santa Fe	Valencia
Nonpoint	29,557	26,014	28,341	21,124	44,013	22,307	19,930	11,402	6,724
Non-road	173	501	223	94	229	227	183	417	200
On-Road	642	2,261	603	679	439	1,203	1,251	1,804	751
Point	3,395	103	35,567	43,310	26,720	41,423	4,254	126	79
Total	33,767	28,879	64,734	65,207	71,400	65,161	25,618	13,750	7,754



OAI/Advance Program



**STAKEHOLDER
ENGAGEMENT**



**PERMIAN BASIN TASK
FORCE**



**OZONE
PRECURSOR RULE**



Source Contributions - Ozone

NAVAJO LAKE: 10 SMAT DAYS

Contributions from All Sources

Average MDA8 O3

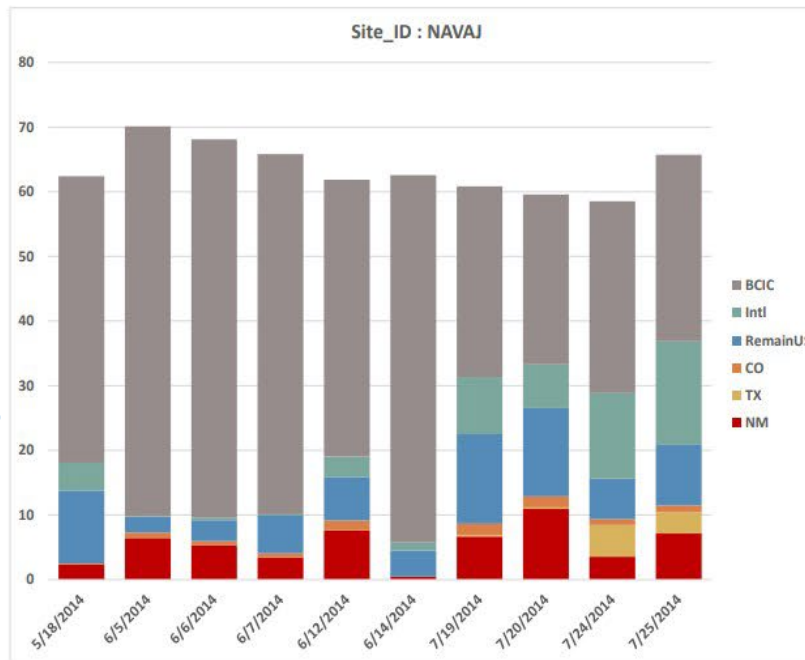
Ozone = 63.6 ppb

BC = 43.3 ppb (68%)

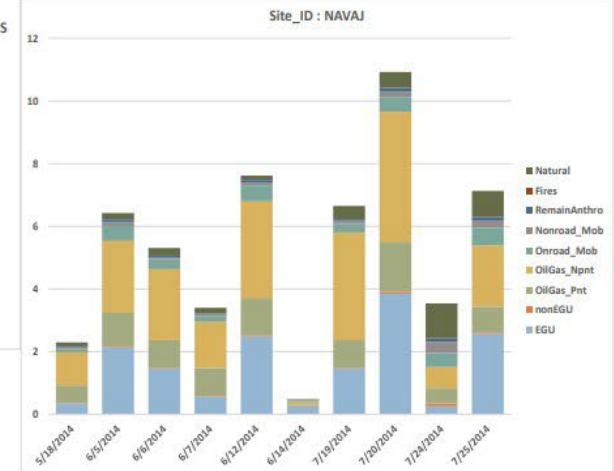
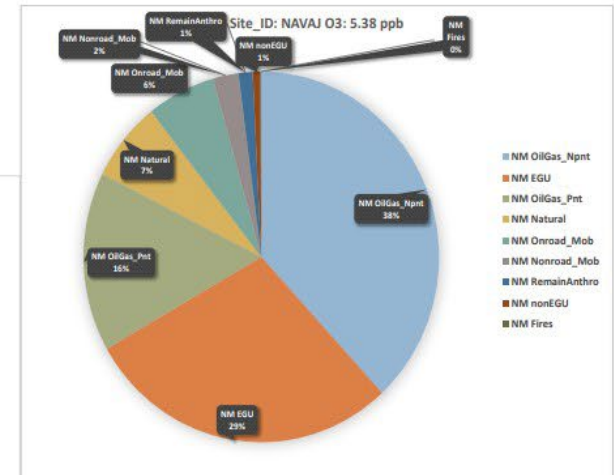
US = 14.8 ppb (23%)

NM = 5.4 ppb (8%)

Intl Ant = 9.9 ppb (16%)



Contributions from New Mexico Sources



Ozone Precursor Rule - 20.2.50 NMAC

- ❑ Effective date - August 5, 2022
- ❑ New and existing Oil and Gas Sources
 - ❑ Well sites, tank batteries, gathering and boosting stations, natural gas processing plants and transmission compressor stations.
- ❑ Private, state, or federal land mostly in the San Juan and Permian Basin
- ❑ Not applicable on Tribal land or in Bernalillo County



Applicability – 20.2.50.111 NMAC

Covered Equipment/Activities

- Individual Storage Tanks and Tank Batteries
- Engines and Turbines
- Compressors
- Pneumatic Devices
- Leaks and Fugitives
- Control Devices
- Liquids Unloading
- Pigging
- ...and more equipment and operations

Not Covered

- Oil Refineries
- Transmission Pipelines
- Saltwater Disposal Facilities
- Gas Utility Companies (i.e., Downstream distribution)
- Small Business Facilities – limited requirements in the rule



Applicability - Continued

Based on potential to emit (PTE) or equipment capacity

Each section states applicability threshold.

Answer = Yes
Rule Applies

Answer = No
Rule not applicable

□ Example Applicability

■ Is your PTE greater than the limits below?

■ Storage Tanks: 4 TPY

■ Tank Batteries: 2 TPY/tank

■ Glycol dehydrator: 2 TPY

■ Is your equipment bigger than the limits below?

■ New Engines – 500 bhp

■ Existing Engines – 1,000 bhp



General Provisions

- Equipment – O&M consistent with:
 - ▣ Manufacturer specifications
 - ▣ Good engineering practices
 - ▣ Minimizing and eliminating emissions
 - Including startup, shutdown and malfunction (SSM) events
- Monitoring
 - ▣ Includes testing, inspection or monitoring
- Recordkeeping – Monitoring Events
 - ▣ E-records – 5 years
 - ▣ Time/date/location by 2024
 - ▣ Annual Compliance Database Report (CDR) – 5 years
- Reporting – Upon Request
 - ▣ CDR provided within 3 business days



Specific Provisions

- Highly technical and complex rule
 - Larger PTE = More requirements
 - Compliance guidelines and FAQs – AQB Website
 - San Juan County Industry Workshop
- Leak Detection and Repair (LDAR)
 - Weekly, Monthly, Quarterly, Semi-annual, or Annual Basis
 - Audio/Visual/Olfactory
 - Optical Gas Imaging
 - Method 21
- Pneumatics - Replacements
 - By January 1, 2024, 2027 and 2030
 - Well Sites, tank batteries, gathering and boosting stations
 - 80%→85%→90% Non-emitting controllers
 - Compressor Stations and gas processing plants
 - 80%→95%→98% Non-emitting controllers



Questions and Contact Info

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