New Mexico Environment Department

PFAS Monitoring at New Mexico's Public Water Systems

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Radioactive and Hazardous Materials Committee
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PFAS Drinking Water Regulations

National Primary Drinking Water Regulations (April 10, 2024)

PFAS Compound	MCL (enforceable)	MCLG
PFOA	4.0 ppt	Zero
PFOS	4.0 ppt	Zero
PFNA	10 ppt	10 ppt
PFHxS	10 ppt	10 ppt
HFPO-DA (GenX)	10 ppt	10 ppt
Mix of 2 or more: PFNA PFBS PFHxS HFPO-DA (GenX)	1.0 (unitless) Hazard Index	1.0 (unitless) Hazard Index

MCL = maximum contaminant level
MCLG = maximum contaminant level goal (*non-enforceable*)
ppt = parts per trillion; equivalent to nanogram per liter (ng/L)

PFAS Drinking Water Regulations

Monitoring Requirements:

- Public water systems must complete initial PFAS monitoring by **April 2027**
- Regular compliance requirements after April 2027 will be based on initial monitoring results
- Public water systems must report PFAS results to their customers starting in 2027
  - Or within 12 months of UCMR 5 sampling
  - Some systems have already reported results

PFAS Sampling at Public Water Systems

NMED and USGS Sampling 2018–2024

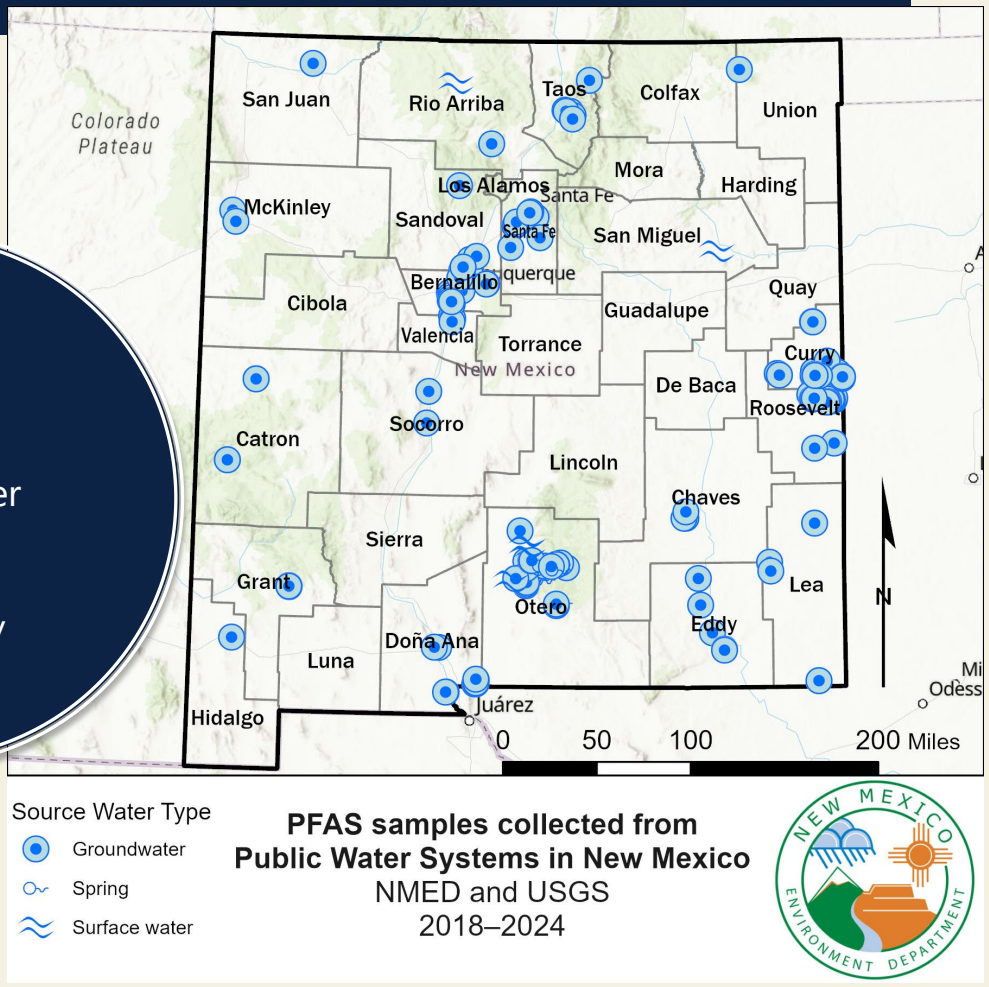
280
samples collected

most analyzed for 28 PFAS chemicals

86
water systems sampled

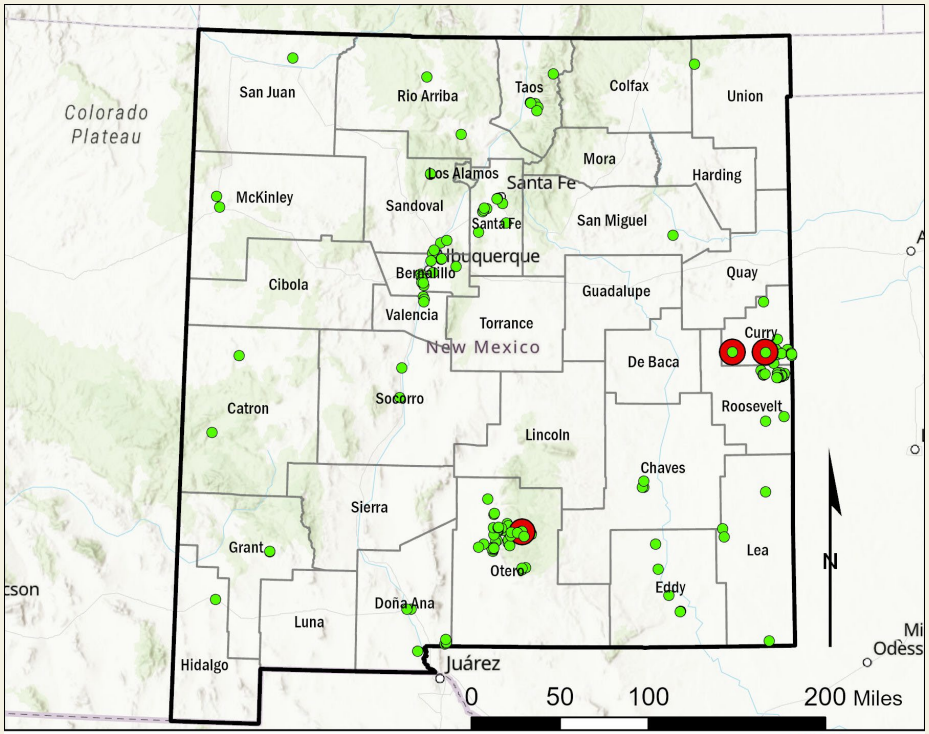
Funding Sources:

- Drinking Water State Revolving Fund
- Capital Outlay

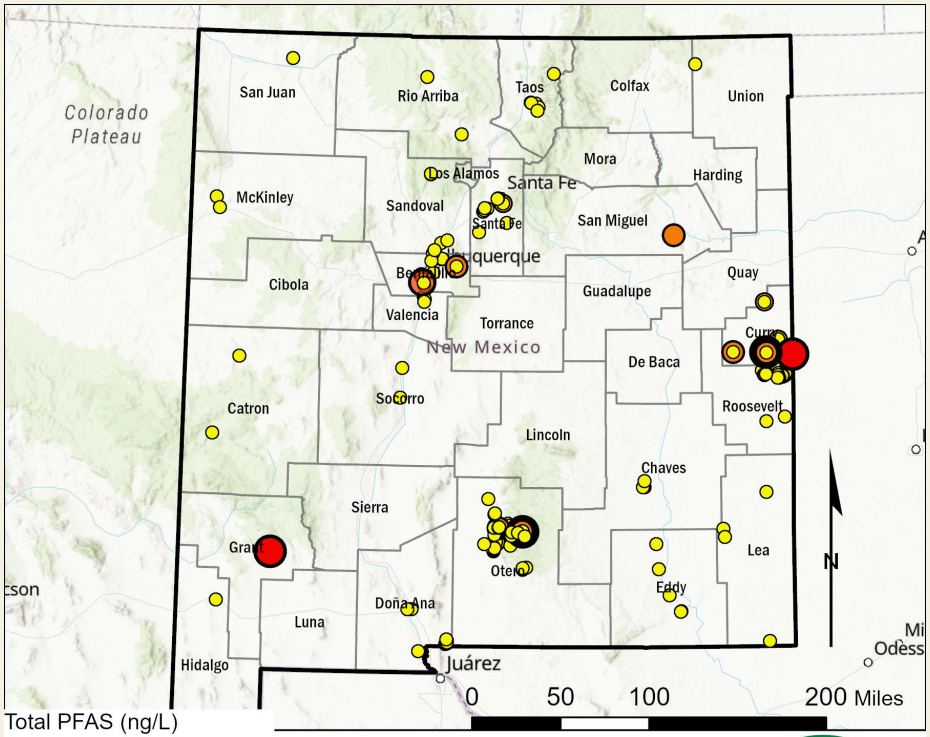


PFAS Sampling at Public Water Systems

NMED and USGS Sampling 2018–2024



MCL = maximum contaminant level



ND = non-detection

PFAS Sampling at Public Water Systems

Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) 2023–2025

Water Systems:

- All systems serving >3,300 people
- Plus 8 small systems selected by EPA

671

samples collected

analyzed for 29 PFAS chemicals + lithium

Funding Sources:

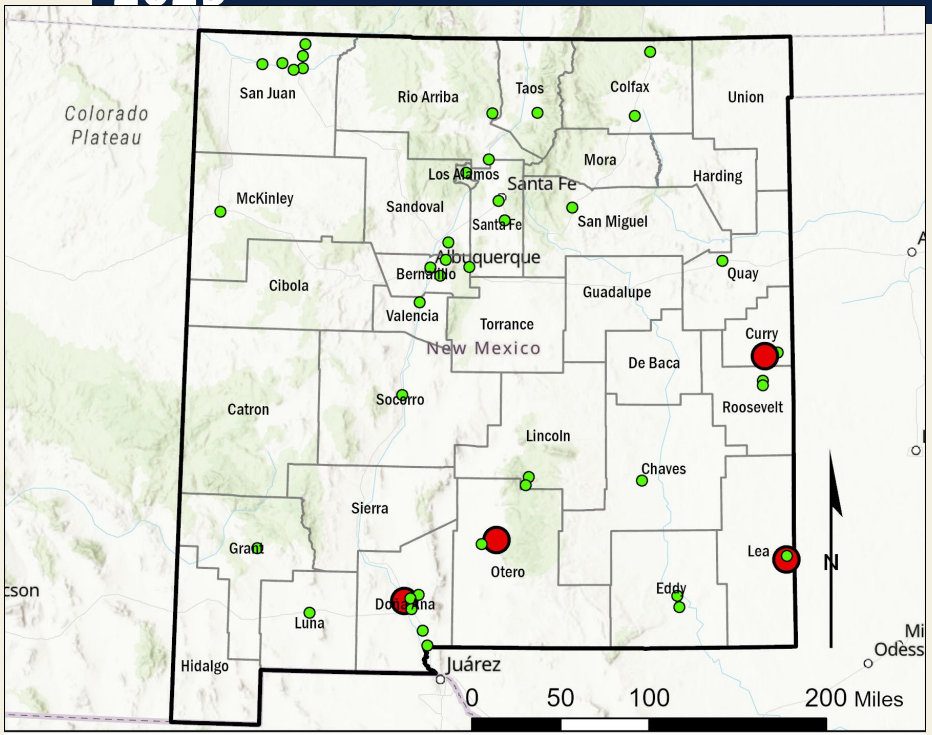
- EPA
- Large water systems serving >10,000 customers

50

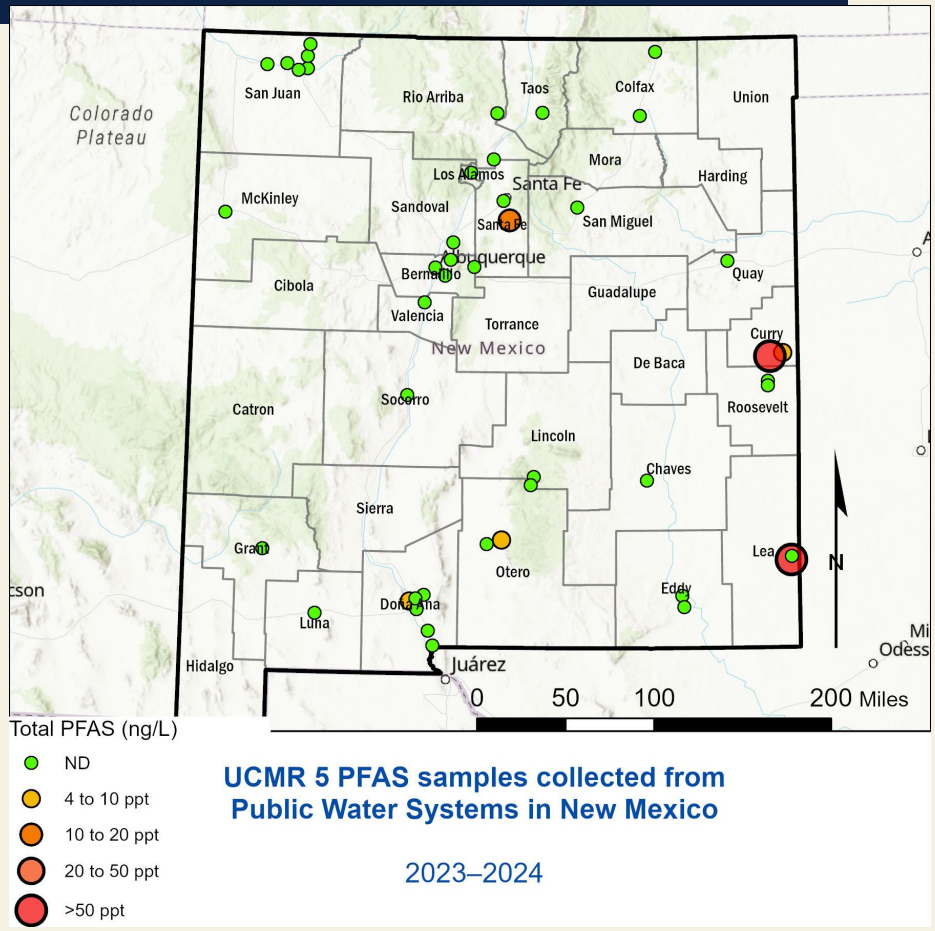
water systems sampled to date (out of 73 total)

PFAS Sampling at Public Water Systems

Fifth Unregulated Contaminant Monitoring Rule (UCMR 5) 2023–2025



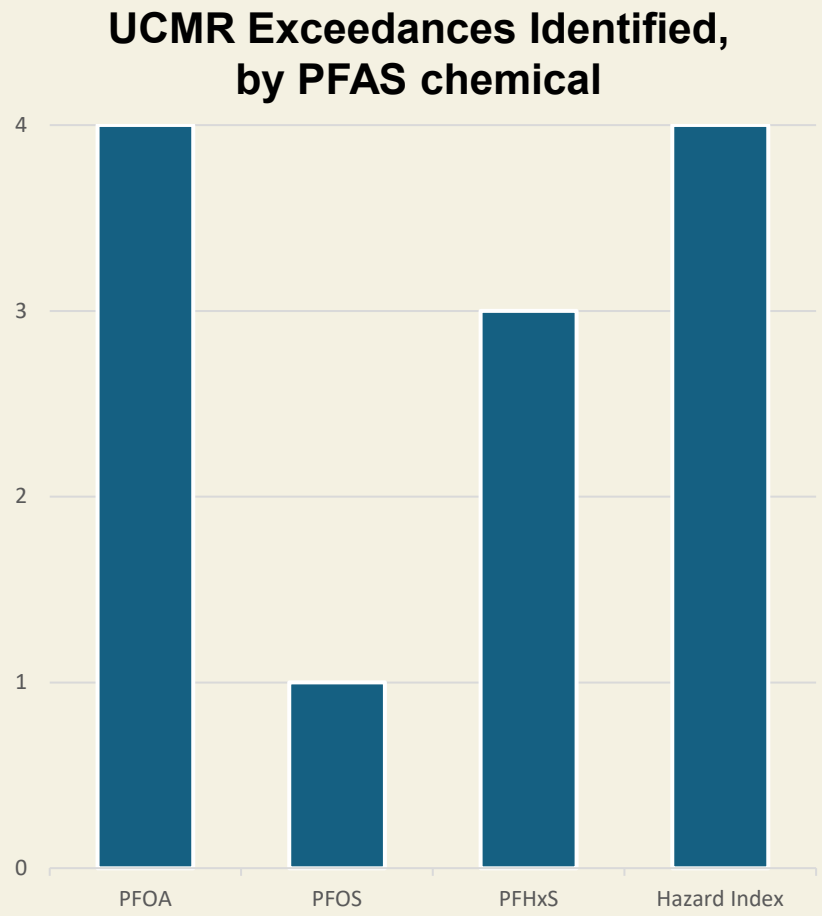
MCL = maximum contaminant level



ND = non-detection

PFAS Sampling at Public Water Systems

- Summary of data through August 2024:
  - 121 unique water systems sampled
  - PFAS detected at 28 systems (23%)
  - EPA MCL(s) exceeded at 7 systems (6%)
    - National UCMR 5 average = 11%



PFAS Treatment Technologies

- Best available technologies to remove PFAS from drinking water:
  - Granular activated carbon (GAC)
  - Anion exchange (AIX)
  - Reverse osmosis (RO)
  - Nanofiltration (NF)
- Treatment costs depend on:
  - Technology selected
  - Water system size
  - Background water quality

Source: AZ Daily Star

Thank you!