



New Mexico Environment Department

PFAS Issues in Santa Fe County Radioactive and Hazardous Materials Committee

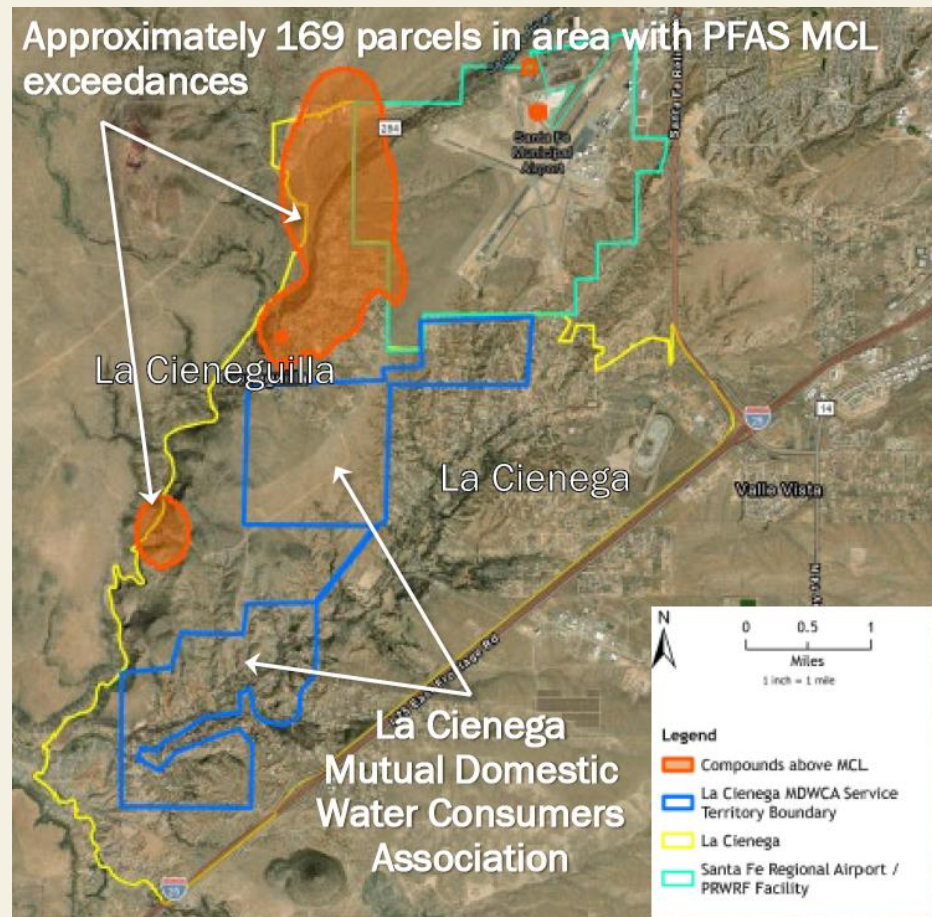
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PFAS Contamination in Santa Fe County

- ❑ PFAS detected in private wells in La Cieneguilla
- ❑ Up to 800 ppt; 4 ppt federal standard
- ❑ Likely historic use of firefighting foam (AFFF) near Santa Fe Regional Airport, possibly consumer products/septic systems
- ❑ Further testing and analysis by NMED to confirm scope of contamination



Source: Santa Fe County PFAS Investigation Data Update, INTERA



PFAS Health Impacts



Image: <https://pinellas.gov/per-and-polyfluoroalkyl-substances-pfas>

- Some cancers including kidney and testicular
- Liver disease
- Thyroid disease elevated cholesterol
- Pregnancy complications, lower birth weight
- Impacts on the immune system such as reduced vaccine response



NMED Response and Solutions

- ❑ Short Term: PFAS water filtration units provided to residents through a special appropriation
- ❑ 175+ residences signed up
- ❑ Ongoing plume delineation and groundwater monitoring
- ❑ Long Term: Community may want to consider drinking water regionalization while NMED pursues cleanup.





Filters for Private Wells

Point-of-Entry Filter (whole house)

- **Pioneer OP1L**
- \$5k (installed)
- \$400 (annual)
- 100,000 gallons filter capacity



Costs may increase depending on the homeowner's private well treatment system and configuration.

Point-of-Use Filter (sink)

- **Kinetico K5 Reverse Osmosis**
- \$2k installed (\$135 annual cartridge replacement)



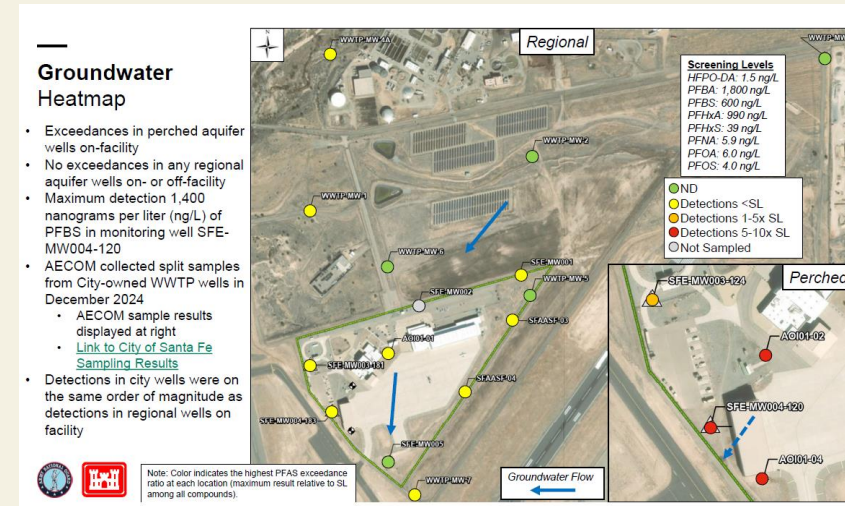


Ongoing Investigation

- Reports from
 - ▣ Army National Guard
 - ▣ Santa Fe County
- NMED performing additional sampling of soil, surface water, and ground water
- Our goal is to identify long term cleanup options and pursue damages from responsible parties



Source: Santa Fe County PFAS Investigation Data Update, Intera



Source: Army National Guard