

USGS PFAS Sampling Results – Groundwater  
August 2020 - January 2021

| Water System Name / Well Name                      | USGS Site ID    | County     | Date       | PFSA (ng/L) |       |       |       |      |      |      | PFCA (ng/L) |       |       |       |      |      |      |        |        |        | FOSA (ng/L) | FOSAA (ng/L) |           | FTSA (ng/L) |         |         | Replacement/Other (ng/L) |            |              |       | PFOA+<br>PFOS<br>(ng/L) | ΣPFAS<br>(ng/L) |
|----------------------------------------------------|-----------------|------------|------------|-------------|-------|-------|-------|------|------|------|-------------|-------|-------|-------|------|------|------|--------|--------|--------|-------------|--------------|-----------|-------------|---------|---------|--------------------------|------------|--------------|-------|-------------------------|-----------------|
|                                                    |                 |            |            | PFBS        | PFPeS | PFHxS | PFHpS | PFOS | PFNS | PFDS | PFBA        | PFPeA | PFHxA | PFHpA | PFOA | PFNA | PFDA | PFUnDA | PFDoDA | PFTrDA | PFTeDA      | PFOSA        | N-MeFOSAA | N-EtFOSAA   | 4:2 FTS | 6:2 FTS | 8:2 FTS                  | 9Cl-PF3ONS | 11Cl-PF3OUdS | ADONA |                         |                 |
| ABCWUA / Burton 4                                  | 350343106363301 | Bernalillo | 2020-09-25 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Grady Water System / Well 1                        | 344916103190001 | Curry      | 2020-09-25 |             |       |       |       |      |      |      |             | 4.3   | 2.7   |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | 7.0                     |                 |
| Grady Water System / Well 1                        | 344916103190001 | Curry      | 2021-01-13 |             |       |       |       |      |      |      |             | 4.8   | 3.0   |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | 7.8                     |                 |
| Grady Water System / Well 2                        | 344916103185801 | Curry      | 2021-01-13 |             |       |       |       |      |      |      |             | 2.0   | 1.3   |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Grady Water System / Well 3                        | 344915103185101 | Curry      | 2021-01-13 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Melrose Water System / Well 2                      | 342528103390901 | Curry      | 2020-08-25 |             |       | 2.0   |       | 1.4  |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Melrose Water System / Well 3                      | 342450103380101 | Curry      | 2021-01-14 | 1.5         | 1.2   | 11.8  |       | 2.9  |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | 2.9   | 14.7                    |                 |
| Melrose Water System / Well 4                      | 342446103380101 | Curry      | 2021-01-14 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Ned Houk Park Area 11 / Well 1                     | 343053103111201 | Curry      | 2020-09-09 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           | 5.8         |         |         |                          |            |              | --    | --                      |                 |
| Turquoise Estates Water Coop / Well 1              | 342444103182201 | Curry      | 2021-01-12 | 6.7         | 1.7   | 2.6   |       |      |      | 7.7  | 14.0        | 11.2  |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | 42.2                    |                 |
| Turquoise Estates Water Coop / Well 3              | 342418103180601 | Curry      | 2021-01-12 | 2.0         |       | 3.4   |       |      |      |      |             | 5.0   | 5.4   |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | 13.8                    |                 |
| Lake Section WC / Butler well                      | 320302106253101 | Doña Ana   | 2021-01-13 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Lake Section WC / Gruber well                      | 320116106262101 | Doña Ana   | 2021-01-13 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Lake Section WC / Guffey well                      | 320126106254001 | Doña Ana   | 2021-01-13 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Lake Section WC / Sylvia well                      | 320153106254101 | Doña Ana   | 2021-01-14 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Lake Section WC / Well POD 13                      | 320330106254801 | Doña Ana   | 2021-01-14 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Las Cruces Municipal Water System / Well 32        | 321806106461501 | Doña Ana   | 2020-09-29 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Las Cruces Municipal Water System / Well 59        | 321804106484001 | Doña Ana   | 2020-09-29 |             |       |       |       | 1.8  |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Alamogordo Domestic Water System / Prather 1 North | 324752105585301 | Otero      | 2020-09-17 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Alamogordo Domestic Water System / Prather 2 South | 324711105585201 | Otero      | 2020-09-18 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Alamogordo Domestic Water System / Well 5          | 325827105562201 | Otero      | 2020-09-17 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           | 10.9        |         |         |                          |            |              | --    | 10.9                    |                 |
| Cider Mill Farms MDWCA / Well 1                    | 325559105483301 | Otero      | 2020-12-29 | 1.0         |       | 0.9   |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Cider Mill Farms MDWCA / Well 2                    | 325623105483301 | Otero      | 2020-12-29 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| La Luz MDWCA / Well 1                              | 325846105561501 | Otero      | 2020-12-30 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| La Luz MDWCA / Well 2                              | 325852105560301 | Otero      | 2020-12-30 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| La Luz MDWCA / Well 3                              | 325847105554801 | Otero      | 2020-12-29 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| La Luz MDWCA / Well 4                              | 325854105554801 | Otero      | 2020-12-30 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Causey Water System / Well 1                       | 335247103080201 | Roosevelt  | 2020-09-08 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Oasis State Park / Well 2                          | 341530103211301 | Roosevelt  | 2020-08-25 |             |       |       |       | 1.2  |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Portales Water System / Blackwater 11              | 341349103083401 | Roosevelt  | 2020-08-26 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Portales Water System / Sandhill 3                 | 341333103195001 | Roosevelt  | 2020-08-26 |             |       |       |       | 1.3  |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Corrales Municipal Complex / Well 1                | 351325106370101 | Sandoval   | 2020-09-29 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| La Mesa Water Coop / Well 5                        | 351944106283601 | Sandoval   | 2020-09-11 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Santa Fe Water System / Agua Fria                  | 354041105581301 | Santa Fe   | 2020-09-15 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Santa Fe Water System / Osage                      | 354022105584701 | Santa Fe   | 2020-09-15 |             |       |       |       | 1.1  |      |      |             |       |       | 1.1   |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| San Acacia MDWCA / Well 3                          | 341643106541601 | Socorro    | 2020-09-28 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Socorro Water System / South Industrial Park Well  | 340204106550301 | Socorro    | 2020-09-28 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Capulin Volcano National Monument / Well 1         | 364643103583701 | Union      | 2020-08-11 |             |       |       |       |      |      |      |             |       |       |       |      |      |      |        |        |        |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |

E: estimated concentration falling between the laboratory reporting limit and method detection limit. These values are not included in summed concentrations (last two columns).

NOTE: ng/L (nanograms per liter) is equivalent to parts per trillion.

USGS PFAS Sampling Results – Surface Water  
August 2020 - January 2021

| USGS Stream Gage Name and Location -OR-<br>Water System Name / Source Name | USGS Site ID    | County                   | Date       | PFSA (ng/L) |       |       |       |       |      |       | PFCA (ng/L) |       |       |       |       |      |      |        |        |         | FOSA (ng/L) | FOSAA (ng/L) |           | FTSA (ng/L) |         |         | Replacement/Other (ng/L) |            |              |       | PFOA+<br>PFOS<br>(ng/L) | ΣPFAS<br>(ng/L) |
|----------------------------------------------------------------------------|-----------------|--------------------------|------------|-------------|-------|-------|-------|-------|------|-------|-------------|-------|-------|-------|-------|------|------|--------|--------|---------|-------------|--------------|-----------|-------------|---------|---------|--------------------------|------------|--------------|-------|-------------------------|-----------------|
|                                                                            |                 |                          |            | PFBS        | PFPeS | PFHxS | PFHpS | PFOS  | PFNS | PFDS  | PFBA        | PFPeA | PFHxA | PFHpA | PFOA  | PFNA | PFDA | PFUnDA | PFDoDA | PFTriDA | PFTeDA      | PFOSA        | N-MeFOSAA | N-EtFOSAA   | 4:2 FTS | 6:2 FTS | 8:2 FTS                  | 9Cl-PF3ONS | 11Cl-PF3OUdS | ADONA |                         |                 |
| Rio Grande at Alameda Bridge, NM                                           | 08329918        | Bernalillo               | 2020-08-19 |             |       |       |       |       |      | 2.0 E | 2.2         |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | 2.2                     |                 |
| Rio Grande at Alameda Bridge, NM                                           | 08329918        | Bernalillo               | 2020-09-16 | 2.8         |       |       |       |       |      |       | 0.9 E       |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | 2.8                     |                 |
| Rio Grande at Valle de Oro, NM                                             | 08330830        | Bernalillo               | 2020-08-31 |             |       |       |       |       |      |       | 5.8         | 2.9   |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | 8.7                     |                 |
| Rio Grande at Valle de Oro, NM                                             | 08330830        | Bernalillo               | 2020-09-16 | 93.0        |       | 1.2 E |       | 2.6   |      |       | 12.3        | 27.9  | 12.5  | 1.7 E | 4.9   |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | 7.5   | 153.2                   |                 |
| Rio Grande at El Paso, TX                                                  | 08364000        | Doña Ana/El Paso Cty, TX | 2020-08-25 | 4.3         |       | 1.7 E |       | 3.7   |      |       | 3.1 E       | 2.4   | 1.4 E |       | 1.2 E |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | 3.7   | 10.4                    |                 |
| Rio Grande at El Paso, TX                                                  | 08364000        | Doña Ana/El Paso Cty, TX | 2020-09-15 | 10.1        |       | 1.7   |       | 2.0   |      |       | 4.7         | 3.5   | 1.8 E |       | 1.4 E |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | 2.0   | 22.0                    |                 |
| Pecos River near Artesia, NM                                               | 08396500        | Eddy                     | 2020-08-26 | 2.6         |       | 1.5 E |       | 2.1 E |      |       | 4.0 E       | 2.3   | 1.5 E |       | 1.5 E |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | 4.9                     |                 |
| Pecos River near Artesia, NM                                               | 08396500        | Eddy                     | 2020-09-16 | 1.3 E       |       |       |       |       |      |       | 3.5 E       | 1.0 E |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | --                      |                 |
| Pecos River near Red Bluff, NM                                             | 08407500        | Eddy                     | 2020-08-26 |             |       | 1.1 E |       | 1.5 E |      |       | 1.9 E       | 2.0   | 1.0 E |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | 2.0                     |                 |
| Gila River near Gila, NM                                                   | 09430500        | Grant                    | 2020-09-10 | 18.5        |       |       |       |       |      |       | 30.0        | 2.1   | 0.9 E | 2.0   |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              | --    | 52.6                    |                 |
| Pecos River near Puerto de Luna, NM                                        | 08383500        | Guadalupe                | 2020-08-27 |             |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| Pecos River near Puerto de Luna, NM                                        | 08383500        | Guadalupe                | 2020-09-24 |             |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| La Luz MDWCA / Fresno Canyon intake                                        | 325848105554701 | Otero                    | 2020-12-30 |             |       | 1.5 E |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| Rio Chama below Abiquiu Reservoir                                          | 08287000        | Rio Arriba               | 2020-08-20 | 1.7 E       |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| Animas River at Farmington, NM                                             | 09364500        | San Juan                 | 2020-08-13 | 2.1 E       |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| Animas River at Farmington, NM                                             | 09364500        | San Juan                 | 2020-09-23 | 3.1         |       | 1.0 E |       | 1.5 E |      |       |             | 1.7 E |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | 3.1             |
| San Juan River near Archuleta, NM                                          | 09355500        | San Juan                 | 2020-08-12 |             |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| San Juan River near Archuleta, NM                                          | 09355500        | San Juan                 | 2020-09-22 | 2.7         |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | 2.7             |
| San Juan River near Fruitland, NM                                          | 09367540        | San Juan                 | 2020-08-12 | 2.0 E       |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| San Juan River near Fruitland, NM                                          | 09367540        | San Juan                 | 2020-09-23 | 2.0         |       |       |       |       |      |       |             | 1.4 E |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | 2.0             |
| Canadian River near Sanchez, NM                                            | 07221500        | San Miguel               | 2020-09-02 | 2.6         |       |       |       | 0.9 E |      |       | 11.4        | 1.9   |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | 15.9            |
| Canadian River below Conchas Dam, NM                                       | 07224500        | San Miguel               | 2020-09-29 | 1.4 E       |       |       |       | 1.2 E |      |       | 6.9         |       |       | 1.0 E |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | 6.9             |
| Rio Grande above Buckman Diversion, NM                                     | 08313150        | Santa Fe                 | 2020-08-28 | 1.0 E       |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| Rio Grande above Buckman Diversion, NM                                     | 08313150        | Santa Fe                 | 2020-09-17 | 2.3         |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | 2.3             |
| Rio Grande above Buckman Diversion, NM                                     | 08313150        | Santa Fe                 | 2020-09-28 | 1.8 E       |       |       |       |       |      |       |             | 1.0 E |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |
| Rio Grande Floodway at San Marcial, NM                                     | 08358400        | Socorro                  | 2020-08-24 | 4.9         |       | 1.5 E |       | 2.9   |      |       | 4.1 E       | 2.4   |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | 2.9                     | 10.2            |
| Rio Puerco near Bernardo, NM                                               | 08353000        | Socorro                  | 2020-09-13 | 2.3 E       |       |       |       | 3.1   |      |       | 23.9        | 3.2   | 1.4 E | 1.8 E |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | 3.1                     | 30.2            |
| Rio Grande below Taos Junction Bridge, NM                                  | 08276500        | Taos                     | 2020-08-26 |             |       |       |       |       |      |       |             |       |       |       |       |      |      |        |        |         |             |              |           |             |         |         |                          |            |              |       | --                      | --              |

E: estimated concentration falling between the laboratory reporting limit and method detection limit. These values are not included in summed concentrations (last two columns).

NOTE: ng/L (nanograms per liter) is equivalent to parts per trillion.

EXPLANATION

E = estimate; these values fall between the Reporting Level (RL) and Method Detection Limit (MDL). This means that the minimum concentration of an analyte can be identified, measured, and reported with 99% confidence that the analyte concentration is greater than 0, but that accurate quantitation of the concentration is not necessarily possible at this level. Equivalent to data flagged with "J" qualifiers in lab data reports.

\*\*NOTE\*\* Concentrations with "E" flags are not included in Column AI-AK summations.

FB = field blank sample

FD = field duplicate sample

ng/L = nanograms per liter; equivalent to parts per trillion (ppt)

|              |                                                     |
|--------------|-----------------------------------------------------|
| 11Cl-PF3OUdS | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid |
| 4:2 FTS      | 4:2 fluorotelomer sulfonate                         |
| 6:2 FTS      | 6:2 fluorotelomer sulfonate                         |
| 8:2 FTS      | 8:2 fluorotelomer sulfonate                         |
| 9Cl-PF3ONS   | 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid  |
| ADONA        | 4,8-dioxo-3H-perfluorononanoic acid                 |
| HFPO-DA      | hexafluoropropylene oxide dimer acid                |
| FOSA         | n-alkyl perfluoroalkane sulfonamides                |
| FOSAA        | n-alkyl perfluoroalkane sulfonamidoacetic acids     |
| FTSA         | n:2 fluorotelomer sulfonic acids                    |
| N-EtFOSAA    | n-ethylperfluorooctanesulfonamidoacetic acid        |
| N-MeFOSAA    | n-methylperfluorooctanesulfonamidoacetic acid       |
| PFAS         | per- and polyfluoroalkyl substances                 |
| PFBA         | perfluorobutanoic acid                              |
| PFBS         | perfluorobutanesulfonic acid                        |
| PFCA         | perfluoroalkyl carboxylic acid                      |
| PFDA         | perfluorodecanoic acid                              |
| PFDoDA       | perfluorododecanoic acid                            |
| PFDS         | perfluorodecanesulfonic acid                        |
| PFHpA        | perfluoroheptanoic acid                             |
| PFHpS        | perfluoroheptanesulfonic acid                       |
| PFHxA        | perfluorohexanoic acid                              |
| PFHxS        | perfluorohexanesulfonic acid                        |
| PFNA         | perfluorononanoic acid                              |
| PFNS         | perfluorononane sulfonic acid                       |
| PFOA         | perfluorooctanoic acid                              |
| PFOS         | perfluorooctanesulfonic acid                        |
| PFOSA        | perfluorooctanesulfonamide                          |
| PFPeA        | perfluoropentanoic acid                             |
| PFPeS        | perfluoropentanesulfonic acid                       |
| PFSA         | perfluoroalkane sulfonic acids                      |
| PFTeDA       | perfluorotetradecanoic acid                         |
| PFTTrDA      | perfluorotridecanoic acid                           |
| PFUnDA       | perfluoroundecanoic acid                            |