

# Well 15 PFAS Test Results, 2017 - 2022

| PFAS Compounds                                  | Sample Date | EP 15      | DW 15     | EP 15     | EP 15      | DW 15      | EP 15      | EP 15            | EP 15             | EP 15            | EP 15             | EP 15            | EP 15             | DW 15      | DW 15               | DW 15             | DW 15      | DW 15      | PFAS        |           |
|---|-------------|------------|-----------|-----------|------------|------------|------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------|---------------------|-------------------|------------|------------|-------------|-----------|
|   |             | 8/1/2017   | 8/1/2017  | 12/4/2017 | 12/4/2017  | 12/4/2017  | 3/19/2018  | 10/16/2018       | 2/4/2019          | 2/4/2019         | 2/4/2019          | 3/7/2019         | 3/7/2019          | 3/7/2019   | 11/12/2020          | 11/12/2020        | 7/12/2022  | 7/12/2022  |             | 7/12/2022 |
|   |             | Laboratory | PACE      | PACE      | PACE       | PACE       | PACE       | EEA              | EEA               | ALS              | TA                | WSLH             | TA                | ALS        | TA                  | WSLH              | NLS        | TA         |             | WSLH      |
| Test Method                                     | 537         | 537        | 537       | 537       | 537        | 537        | 537        | Mod 537          | Mod 537           | 537.1            | Mod 537           | Mod 537          | Mod 537           | Mod 537    | Mod 537             | WI 33             | WI 33      | WI 33      |             |           |
| Perfluorooctanoic acid                          | PFOA        | 4.9        | 5.3       | 5.0       | 4.9        | 3.6        | 4.7        | 5.4              | 6.1               | 5.7              | 4.9               | 5.7              | 5.4               | 2.6        | 3.05 <sup>MB</sup>  | 2.85 <sup>J</sup> | 3.0        | 2.35       | PFOA        |           |
| Perfluorooctanesulfonic acid                    | PFOS        | 5.4        | 5.1       | 5.0       | 4.8        | 4.7        | 4.4        | 5.1              | 5.1               | 5.9              | 4.5               | 5.8              | 5.3 <sup>HB</sup> | 4.2        | 2.35                | 4.42              | 5.2        | 3.57       | PFOS        |           |
| Perfluorohexanesulfonic acid                    | PFHxS       | 19         | 20        | 19        | 20         | 17         | 20         | 21               | 20                | 20 <sup>MB</sup> | 20                | 20 <sup>MB</sup> | 21 <sup>HB</sup>  | 15         | 14.2                | 16.7              | 15         | 14.7       | PFHxS       |           |
| Perfluorobutanesulfonic acid                    | PFBS        | 2.4        | 2.5       | 2.1       | 2.3        | 2.1        | 2.4        | 2.6              | 2.7 <sup>J</sup>  | 3.4              | 2.6               | 3.1              | 2.8 <sup>J</sup>  | 2.3        | 1.90                | 1.91 <sup>J</sup> | 2.4        | 1.79       | PFBS        |           |
| Perfluoroheptanoic acid                         | PFHpA       | <2.0       | 2.2       | <2.0      | <2.0       | <2.0       | <2.0       | 2.2              | 2.0 <sup>J</sup>  | 2.4              | 2.1               | 2.5              | 2.6 <sup>J</sup>  | 1.8        | 1.63                | 1.58 <sup>J</sup> | 1.8        | 1.45       | PFHpA       |           |
| Perfluorononanoic acid                          | PFNA        | <2.0       | <2.0      | <2.0      | <2.0       | <2.0       | <2.0       | <2.0             | <1.1              | <0.24            | <0.18             | <0.23            | <1.1              | <0.23      | <0.390              | <0.27             | <0.23      | <0.137     | PFNA        |           |
| Perfluorohexanoic acid                          | PFHxA       | --         | --        | --        | --         | --         | 5.2        | 5.3              | <8.8              | 6.2              | 5.7               | 6.1              | <8.8              | 4.4        | 4.09                | 3.95 <sup>J</sup> | 4.6        | 3.63       | PFHxA       |           |
| Perfluorodecanoic acid                          | PFDA        | --         | --        | --        | --         | --         | <2.0       | <2.0             | <1.2              | <0.27            | <0.26             | <0.26            | <1.2              | <0.27      | 0.586 <sup>MB</sup> | <0.37             | <0.27      | <0.151     | PFDA        |           |
| Perfluoroundecanoic acid                        | PFUnA       | --         | --        | --        | --         | --         | <2.0       | <2.0             | <1.5              | <0.98            | <0.46             | <0.94            | <1.5              | <0.94      | <0.368              | <0.28             | <0.95      | <0.205     | PFUnA       |           |
| Perfluorododecanoic acid                        | PFDoA       | --         | --        | --        | --         | --         | <2.0       | <2.0             | <1.3              | <0.49            | <0.40             | <0.47            | <1.3              | <0.47      | 0.407               | <0.28             | <0.47      | <0.251     | PFDoA       |           |
| Perfluorotridecanoic acid                       | PFTTrDA     | --         | --        | --        | --         | --         | <2.0       | <2.0             | <1.3              | <1.2             | <0.25             | <1.1             | <1.3              | <1.1       | <0.363              | <0.22             | <1.1       | <0.178     | PFTTrDA     |           |
| Perfluorotetradecanoic acid                     | PFTeDA      | --         | --        | --        | --         | --         | <2.0       | <2.0             | <2.0              | <0.26            | <0.27             | <0.25            | <2.0              | <0.63      | <0.321              | <0.34             | <0.63      | <0.162     | PFTeDA      |           |
| N-Methyl perfluorooctane sulfonamidoacetic acid | NMeFOSAA    | --         | --        | --        | --         | --         | --         | <2.0             | <1.4              | <2.7             | <0.25             | <2.6             | <1.4              | <1.0       | <0.485              | <0.45             | <1.0       | <0.203     | NMeFOSAA    |           |
| N-Ethyl perfluorooctane sulfonamidoacetic acid  | NEtFOSAA    | --         | --        | --        | --         | --         | --         | <2.0             | <0.50             | <1.7             | <0.21             | <1.6             | <0.50             | <1.1       | <0.388              | <0.18             | <1.1       | <0.196     | NEtFOSAA    |           |
| HFPA-DA / HFPO-DA                               | GenX        | --         | --        | --        | --         | --         | --         | <5               | <0.29             | --               | <0.43             | --               | <0.29             | <1.3       | <0.477              | <0.33             | <1.3       | <0.178     | GenX        |           |
| ADONA   | ADONA       | --         | --        | --        | --         | --         | --         | <2.0             | --                | --               | <0.32             | --               | --                | <0.34      | <0.381              | <0.36             | <0.35      | <0.118     | ADONA       |           |
| 9Cl-PF3ONS                                      | F-53B Major | --         | --        | --        | --         | --         | --         | <2.0             | --                | --               | <0.15             | --               | --                | <0.21      | <0.380              | <0.14             | <0.21      | <0.168     | F-53B Major |           |
| 11Cl-PF3OUdS                                    | F-53B Minor | --         | --        | --        | --         | --         | --         | <2.0             | --                | --               | <0.28             | --               | --                | <0.27      | <0.356              | <0.17             | <0.28      | <0.138     | F-53B Minor |           |
| Perfluorobutanoic acid                          | PFBA        | --         | --        | --        | --         | --         | --         | 2.4 <sup>J</sup> | 3.0 <sup>MB</sup> | --               | 2.9               | 2.4 <sup>J</sup> | <2.1              | <2.51      | 1.91 <sup>J</sup>   | 2.2 <sup>J</sup>  | 1.64       | PFBA       |             |           |
| Perfluoropentanoic acid                         | PFPeA       | --         | --        | --        | --         | --         | --         | 4.4              | 5.6               | --               | 5.9               | 5.1              | 4.1               | 3.30       | 4.03                | 4.5               | 3.54       | PFPeA      |             |           |
| Perfluoropentane sulfonic acid                  | PFPeS       | --         | --        | --        | --         | --         | --         | 2.4 <sup>J</sup> | 3.2               | --               | 2.7               | 2.2 <sup>J</sup> | 2.2               | 1.52       | 1.9 <sup>J</sup>    | 2.1               | 1.49       | PFPeS      |             |           |
| Perfluoroheptane sulfonic acid                  | PFHpS       | --         | --        | --        | --         | --         | --         | <0.44            | 0.29 <sup>J</sup> | --               | 0.27 <sup>J</sup> | <0.44            | <0.16             | <0.362     | <0.30               | <0.16             | <0.176     | PFHpS      |             |           |
| Perfluorononane sulfonic acid                   | PFNS        | --         | --        | --        | --         | --         | --         | <0.59            | <0.14             | --               | <0.14             | <0.59            | <0.32             | <0.452     | <0.15               | <0.32             | <0.168     | PFNS       |             |           |
| Perfluorodecane sulfonic acid                   | PFDS        | --         | --        | --        | --         | --         | --         | <0.30            | <0.28             | --               | <0.27             | <0.30            | <0.27             | <0.412     | <0.19               | <0.28             | <0.238     | PFDS       |             |           |
| Perfluorododecanesulfonic acid                  | PFDoS       | --         | --        | --        | --         | --         | --         | --               | --                | --               | --                | --               | --                | <0.83      | <0.468              | <0.30             | <0.84      | <0.228     | PFDoS       |           |
| Perfluorooctanesulfonamide                      | FOSA        | --         | --        | --        | --         | --         | --         | <0.52            | <0.31             | --               | <0.30             | <0.52            | 0.87 <sup>J</sup> | <3.68      | 0.51 <sup>J</sup>   | 1.5 <sup>J</sup>  | <0.143     | FOSA       |             |           |
| N-Methyl perfluorooctane sulfonamide            | NMeFOSA     | --         | --        | --        | --         | --         | --         | <0.46            | --                | --               | --                | <0.46            | <0.37             | <0.727     | <0.48               | <0.37             | <0.925     | NMeFOSA    |             |           |
| N-Ethyl perfluorooctane sulfonamide             | NEtFOSA     | --         | --        | --        | --         | --         | --         | <0.27            | --                | --               | --                | <0.27            | <0.75             | <0.595     | <0.68               | <0.75             | <0.642     | NEtFOSA    |             |           |
| N-Methyl perfluorooctane sulfonamidoethanol     | NMeFOSE     | --         | --        | --        | --         | --         | --         | <0.30            | --                | --               | --                | <0.30            | <1.2              | <0.366     | <0.33               | <1.2              | <0.260     | NMeFOSE    |             |           |
| N-Ethyl perfluorooctane sulfonamidoethanol      | NEtFOSE     | --         | --        | --        | --         | --         | --         | <0.13            | --                | --               | --                | <0.13            | <0.73             | <0.373     | <0.33               | <0.73             | <0.196     | NEtFOSE    |             |           |
| 4:2 Fluorotelomer sulfonic acid                 | 4:2 FTS     | --         | --        | --        | --         | --         | --         | <0.81            | <4.6              | --               | <4.4              | <0.81            | <0.21             | <0.408     | <0.28               | <0.21             | <1.76      | 4:2 FTS    |             |           |
| 6:2 Fluorotelomer sulfonic acid                 | 6:2 FTS     | --         | --        | --        | --         | --         | --         | <0.55            | <1.8              | --               | <1.7              | <0.55            | <2.1              | <0.463     | <0.32               | <2.2              | <0.252     | 6:2 FTS    |             |           |
| 8:2 Fluorotelomer sulfonic acid                 | 8:2 FTS     | --         | --        | --        | --         | --         | --         | <0.15            | <1.8              | --               | <1.7              | <0.15            | <0.39             | <0.404     | <0.43               | <0.40             | <0.242     | 8:2 FTS    |             |           |
| 10:2 Fluorotelomer sulfonic acid                | 10:2 FTS    | --         | --        | --        | --         | --         | --         | <0.35            | --                | --               | --                | <0.35            | <0.57             | --         | --                  | --                | --         | 10:2 FTS   |             |           |
| Perfluoro-n-hexadecanoic acid                   | PFHxDA      | --         | --        | --        | --         | --         | --         | --               | --                | --               | --                | --               | --                | <0.76      | --                  | --                | --         | --         | PFHxDA      |           |
| Perfluoro-n-octadecanoic acid                   | PFODA       | --         | --        | --        | --         | --         | --         | --               | --                | --               | --                | --               | --                | <0.81      | --                  | --                | --         | --         | PFODA       |           |
| <b>PFOA + PFOS</b>                              |             | <b>10</b>  | <b>10</b> | <b>10</b> | <b>9.7</b> | <b>8.3</b> | <b>9.1</b> | <b>11</b>        | <b>11</b>         | <b>12</b>        | <b>9.4</b>        | <b>12</b>        | <b>11</b>         | <b>6.8</b> | <b>5.4</b>          | <b>7.3</b>        | <b>8.2</b> | <b>5.9</b> |             |           |
| <b>Combined PFAS</b>                            |             | <b>32</b>  | <b>35</b> | <b>31</b> | <b>32</b>  | <b>27</b>  | <b>37</b>  | <b>42</b>        | <b>45</b>         | <b>56</b>        | <b>40</b>         | <b>55</b>        | <b>47</b>         | <b>37</b>  | <b>33</b>           | <b>40</b>         | <b>42</b>  | <b>34</b>  |             |           |

**NOTES:**

All results in ng/L or parts per trillion (ppt)  
 Faded results with < indicate PFAS was not detected at the reported detection limit

DW - deep well (untreated well water)  
 EP - entry point (treated distribution system water)  
 HB - High bias reported by laboratory  
 J - Result was above detection but too low to be confidently quantified (an estimated value)  
 MB - Also detected in laboratory method blank

Labs: ALS - ALS Environmental (Kelso, WA)  
 EEA - Eurofins Eaton Analytical (South Bend, IN)  
 NLS - Northern Lake Service (Crandon, WI)  
 PACE - Pace Analytical (Minneapolis, MN)  
 TA - Test America (W Sacramento, CA)  
 WSLH - WI State Laboratory of Hygiene (Madison, WI)