

## Rye Water District

### Sampling Results for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)

Issue Date: 18 Aug 2020

#### Garland Well Results

Garland Well	Date Sampled	PFAS Results				Analytical Method
		PFOS*	PFOA*	PFHxS	PFNA	
Garland Well	Apr 2016	6 ppt	6 ppt	ND	ND	537
	Jan 2017	7.8 ppt 6.9(DUP) ppt	7.8 ppt 7.1(DUP) ppt	ND ND	ND ND	
	Jul 2017	11 ppt	10 ppt	5 ppt	ND	PFC Isotope
	Aug 2017	6 ppt	5 ppt	3 ppt	ND	
	Sept 2017	6 ppt	7 ppt	3 ppt	ND	
	Oct 2017	4 ppt	5 ppt	ND	ND	
	Nov 2017	5 ppt	4 ppt	ND	ND	
	Dec 2017	4 ppt	5 ppt	ND	ND	
	Jan 2018	6 ppt	5 ppt	ND	ND	
	Feb 2018	ND	4 ppt	ND	ND	
	Mar 2018	6 ppt	5 ppt	ND	ND	
	Apr 2018	ND	6 ppt	ND	ND	
	May 2018	ND	7 ppt	ND	ND	
	June 2018	5 ppt	7 ppt	ND	ND	
	July 2018	7 ppt	7 ppt	ND	ND	
	Aug 2018	6 ppt	6 ppt	ND	ND	
	Sept 2018	4 ppt	4 ppt	ND	ND	
	Oct 2018	7 ppt	6 ppt	ND	ND	
	Nov 2018	6 ppt	6 ppt	ND	ND	537
	Dec 2018	4 ppt	6 ppt	ND	ND	PFC Isotope
	Jan 2019	5 ppt	7 ppt	ND	ND	537
	Feb 2019	7 ppt	8 ppt	ND	ND	PFC Isotope
	Mar 2019	5 ppt	6 ppt	ND	ND	
	Apr 2019	ND	5 ppt	ND	ND	
	May 2019	6 ppt	6 ppt	ND	ND	
	June 2019	ND	6 ppt	ND	ND	
	July 2019	6 ppt	5 ppt	ND	ND	
	Aug 2019	6 ppt	6 ppt	ND	ND	
	Sept 2019	5 ppt	5 ppt	ND	ND	537
	Oct 2019	5 ppt	5 ppt	ND	ND	

	Garland Well	PFOS	PFOA	PFHxS	PFNA	
	Nov 2019	5 ppt	5 ppt	ND	ND	
	Dec 2019	6.50 ppt	7.33 ppt	ND	ND	NH-537- Isotope**
	Jan 2020	4.55 ppt	7.62 ppt	ND	ND	
	Feb 2020	6.04 ppt	7.14 ppt	ND	ND	
	Mar 2020	7.32 ppt	6.92 ppt	ND	ND	
	Apr 2020	5.64 ppt	8.03 ppt	ND	ND	
	May 2020	4.74 ppt	7.47 ppt	ND	ND	
	June 2020	6.75 ppt	6.82 ppt	ND	ND	
	July 2020	6.29 ppt	6.44 ppt	ND	ND	

\*\*Analytical Method compliant with NH adopted PFAS MCLs effective Sept 30, 2019

ppt = parts per trillion (same as ng/L); ND = Non Detect

\* **EPA Health Advisory** for combined PFOS and PFOA values is 70 ppt

### Bailey Well Results

Bailey Well	Date Sampled	PFAS Results				Analytical Method
		PFOS*	PFOA*	PFHxS	PFNA	
	Apr 2016	ND	ND	ND	ND	537
	Jan 2017	ND	2.5 ppt	ND	ND	
	Jul 2017	ND	ND	ND	ND	PFC Isotope
	Aug 2017	ND	ND	ND	ND	
	Sept 2017	ND	ND	ND	ND	
	Oct 2017	ND	ND	ND	ND	
	Nov 2017	ND	ND	ND	ND	
	Dec 2017	ND	ND	ND	ND	
	Jan 2018	ND	ND	ND	ND	
	Feb 2018	ND	ND	ND	ND	
	Mar 2018	ND	ND	ND	ND	
	Apr 2018	ND	ND	ND	ND	
	May 2018	ND	ND	ND	ND	
	June 2018	ND	ND	ND	ND	
	July 2018	ND	ND	ND	ND	
	Aug 2018	ND	ND	ND	ND	
	Sept 2018	ND	ND	ND	ND	
	Oct 2018	ND	ND	ND	ND	
	Nov 2018	ND	ND	ND	ND	537
	Dec 2018	ND	ND	ND	ND	PFC Isotope
	Jan 2019	ND	ND	ND	ND	537
	Feb 2019	ND	ND	ND	ND	PFC Isotope
	Mar 2019	ND	ND	ND	ND	
	Apr 2019	ND	ND	ND	ND	
	May 2019	ND	ND	ND	ND	
	June 2019	ND	ND	ND	ND	
	July 2019	ND	ND	ND	ND	
	Aug 2019	ND	ND	ND	ND	
	Sept 2019	ND	ND	ND	ND	537
	Oct 2019	ND	ND	ND	ND	
	Nov 2019	ND	ND	ND	ND	
	Dec 2019	ND	2.43 ppt	ND	ND	NH-537-Isotope**
	Jan 2020	ND	2.42 ppt	ND	ND	
	Feb 2020	ND	2.29 ppt	ND	ND	
	Mar 2020	ND	2.34 ppt	ND	ND	
	Apr 2020	ND	2.45 ppt	ND	ND	
	May 2020	ND	ND	ND	ND	

	Bailey Well	PFOS	PFOA	PFHxS	PFNA	
	June 2020	ND	ND	ND	ND	
	July 2020	ND	ND	ND	ND	

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### Cedar Run Well Results

Cedar Run Well	Date Sampled	PFAS Results				Analytical Method
		PFOS*	PFOA*	PFHxS	PFNA	
Cedar Run Well	Apr 2016	ND	2 ppt	ND	ND	537
	Jan 2017	ND	3 ppt	ND	ND	
	Jul 2017	ND	ND	3 ppt	ND	PFC Isotope
	Aug 2017	ND	2 ppt	ND	ND	
	Sept 2017	ND	ND	ND	ND	
	Oct 2017	ND	ND	ND	ND	
	Nov 2017	ND	ND	ND	ND	
	Dec 2017	ND	2 ppt	ND	ND	
	Jan 2018	ND	3 ppt	ND	ND	
	Feb 2018	ND	ND	ND	ND	
	Mar 2018	ND	ND	ND	ND	
	Apr 2018	ND	ND	ND	ND	
	May 2018	ND	ND	ND	ND	
	June 2018	ND	ND	ND	ND	
	July 2018	ND	2 ppt	ND	ND	
	Aug 2018	ND	2 ppt	ND	ND	
	Sept 2018	ND	2 ppt	ND	ND	
	Oct 2018	ND	3 ppt	ND	ND	
	Nov 2018	ND	4 ppt	ND	ND	537
	Dec 2018	ND	3 ppt	ND	ND	PFC Isotope
	Jan 2019	ND	3 ppt	ND	ND	537
	Feb 2019	ND	ND	ND	ND	PFC Isotope
	Mar 2019	ND	4 ppt	ND	ND	
	Apr 2019	ND	2 ppt	ND	ND	
	May 2019	ND	2 ppt	ND	ND	
	June 2019	ND	3 ppt	ND	ND	
	July 2019	ND	4 ppt	ND	ND	
	Aug 2019	ND	4 ppt	ND	ND	
	Sept 2019	ND	4 ppt	ND	ND	537
	Oct 2019	ND	4 ppt	ND	ND	
	Nov 2019	ND	3 ppt	ND	ND	
	Dec 2019	ND	5.11 ppt	ND	ND	NH-537-Isotope**
	Jan 2020	ND	5.67 ppt	ND	ND	
	Feb 2020	ND	4.85 ppt	ND	ND	
	Mar 2020	ND	4.72 ppt	ND	ND	
	Apr 2020	ND	5.23 ppt	ND	ND	
	May 2020	ND	4.36 ppt	ND	ND	
	June 2020	ND	4.39 ppt	ND	ND	
	July 2020	2.06 ppt	4.28 ppt	2.06 ppt	ND	

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### System Sample Results

System Sample  (Taken @ Washington Road Storage Tanks)	Date Sampled	PFAS Results				Analytical Method
		PFOS*	PFOA*	PFHxS	PFNA	
	Aug 2017	7 ppt	4 ppt	ND	ND	PFC Isotope
	Sept 2017	5 ppt	3 ppt	ND	ND	
	Oct 2017	4 ppt	2 ppt	ND	3 ppt	
	Nov 2017	5 ppt	3 ppt	ND	ND	
	Dec 2017	ND	3 ppt	ND	ND	
	Jan 2018	ND	3 ppt	ND	ND	
	Feb 2018	ND	3 ppt	ND	ND	
	Mar 2018	ND	2 ppt	ND	ND	
	Apr 2018	5 ppt	3 ppt	ND	ND	
	May 2018	ND	4 ppt	ND	ND	
	June 2018	ND	5 ppt	ND	ND	
	July 2018	4 ppt	5 ppt	ND	ND	
	Aug 2018	ND	4 ppt	ND	ND	
	Sept 2018	ND	3 ppt	ND	ND	
	Oct 2018	ND	4 ppt	ND	ND	
	Nov 2018	4 ppt	4 ppt	ND	ND	537
	Dec 2018	ND	3 ppt	ND	ND	PFC Isotope
	Jan 2019	5 ppt	4 ppt	ND	ND	537
	Feb 2019	ND	5 ppt	ND	ND	PFC Isotope
	Mar 2019	ND	4 ppt	ND	ND	
	Apr 2019	ND	3 ppt	ND	ND	
	May 2019	ND	5 ppt	ND	ND	
	June 2019	ND	4 ppt	ND	ND	
	July 2019	ND	4 ppt	ND	ND	
	Aug 2019	4 ppt	4 ppt	ND	ND	
	Sept 2019	ND	4 ppt	ND	ND	537
	Oct 2019	2 ppt	4 ppt	ND	ND	
	Nov 2019	ND	ND	ND	ND	
	Dec 2019	3.56 ppt	4.80 ppt	ND	ND	NH-537-Isotope**
	Jan 2020	3.66 ppt	5.45 ppt	ND	ND	
	Feb 2020	2.84 ppt	5.16 ppt	ND	ND	
	Mar 2020	4.52 ppt	5.21 ppt	ND	ND	
	Apr 2020	4.91 ppt	5.62 ppt	ND	ND	
	May 2020	2.90 ppt	5.40 ppt	ND	ND	
	June 2020	4.32 ppt	5.68 ppt	ND	ND	
	July 2020	4.35 ppt	5.04 ppt	ND	ND	

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Analytical Process Information					
Analytical Method	Dates Used	Detection Limits			
		PFOS	PFOA	PFHxS	PFNA
537	Apr 2016 Nov 2018 Jan 2019	4 ppt	2 ppt	3 ppt	2 ppt
537	Sep 2019 thru Nov 2019	2 ppt	2 ppt	2 ppt	2 ppt
PFC Isotope Detect Limit	Jul 2017 thru Oct 2018 Dec 2018 Feb 2019 thru Aug 2019	4 ppt	2 ppt	3 ppt	2 ppt
NH-537-Isotope***	Dec 2019 July 2020	2 ppt	2 ppt	2 ppt	2 ppt

\***Method Detection Limit:** Is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte. (40 CFR Appendix B part 136)

\*\***Method Reporting Limit:** Is defined as the lowest amount of an analyte in a sample that can be quantitatively determined with stated, acceptable precision and accuracy under stated analytical conditions (i.e. the lower limit of quantitation).

\*\*\*Analytical Method compliant with NH adopted PFAS MCLs effective Sept 30, 2019