Results from Quarterly Monitoring of OWASA Biosolids for PFAS Compounds

(all units are ug/kg dry)

PFAS Acronym	Liquid Biosolids																
	Aug-22	Nov-22	Feb-23	May-23	Aug-23	Nov-23	24-Feb	May-24	Aug-24	Nov-24	Feb-25	May-25	Aug-25	Nov-25	Feb-26	May-26	Aug-26
11Cl-PF30UdS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:3 FTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:2 FTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:3 FTCA	0	181	0	180	140	99	160	110	220	220	210	0	300	441	0	0	0
6:2 FTS	0	0	0	0	0	2.4	0	0	0	0	0	0	0	0	0	0	0
7:3 FTCA	0	0	0	0	0	33	0	0	0	0	0	0	0	33.2	0	0	0
8:2 FTS	0	0	0	0	0	0.99	0	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADONA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GenX/HFPO-DA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEtFOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEtFOSAA	0	4.01	0	4.1	6	0	3.2	2.4	4.9	4.1	0	0	3.2	8.81	0	0	0
NEtFOSE	0	0	0	0	0	0	0	0	0	0	0	0	0	10.8	0	0	0
NFDHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NMeFOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NMeFOSAA	10.9	8.31	6.22	7.7	11	7.4	7.4	5.4	7.8	5.2	7.3	0	4.6	15.9	0	6.5	5.6
NMeFOSE	0	0	0	0	10	6.9	0	0	0	0	0	0	0	20.3	0	0	0
PFBA	0	0	14.74	0	8	2.2	9.2	0	0	0	0	0	0	0	0	0	0
PFBS	0	0	0	0	0	2.1	0	0	0	3.6	0	0	0	0	0	0	0
PFDA	0	7.34	5.45	4.4	7.2	7.2	3.9	3.6	6.4	4.2	4.7	0	4.1	16.9	0	0	0
PFDoA	0	2.28	0	0	2.5	2.4	1.5	0	0	0	0	0	0	4.75	0	0	0
PFDoS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFDS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFEESA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFHpA	0	0	0	0	0.79	0.75	0	0	0	0	0	0	0	0	0	0	0
PFHpS	0	4.38	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFHxA	0	3.23	3.59	2.2	4.3	2.4	1.9	0	0	0	0	0	3.3	12.2	0	0	4.6
PFHxS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFMBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFMPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFNA	0	0	0	0	1.7	0.82	0	0	0	0	0	0	0	0	0	0	0
PFNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFOA	0	4.17	6.41	3.6	5.4	4.9	2.9	2.4	0	0	0	0	0	10.5	0	0	0
PFOS	24.1	27.5	22.44	34	33	22	15	13	16	13	16	30	11	31.5	0	9.9	8.3
PFOSA	0	0	0	0	0	1.9	1.5	0	0	0	0	0	0	0	0	0	0
PFPeA	0	0	0	0	3.2	2.2	0	0	0	0	0	0	0	0	0	0	0
PFPeS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFTeDA	0	0	0	0	1.3	0.62	0	0	0	0	0	0	0	0	0	0	0
PFTrDA	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0	0	0
PFUnA	0	0	0	0	1.3	0.95	0	0	0	0	0	0	0	0	0	0	0

*Cells with a 0 should be interpretted as a non-detect.

*Highlighted rows include at least one sample within the last year with a detect for that compound.

Results from Quarterly Monitoring of OWASA Biosolids for PFAS Compounds

(all units are ug/kg dry)

PFAS Acronym	Dry Biosolids																
	Aug-22	Nov-22	Feb-23	May-23	1-Aug	Nov-23	Feb-24	May-24	Aug-24	Nov-24	Feb-25	May-25	Aug-25	Aug-25	Feb-26	May-26	Aug-26
11Cl-PF30UdS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:3 FTCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:2 FTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:3 FTCA	36.6	0	0	0	31	15	0	0	0	27	0	0	0	0	0	0	0
6:2 FTS	0	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0
7:3 FTCA	30.8	0	0	0	21	19	0	0	0	16	0	0	0	0	0	0	0
8:2 FTS	0	0	0	0	0.54	0.68	0	0	0	0	0	0	0	0	0	0	0
9Cl-PF3ONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADONA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GenX/HFPO-DA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEtFOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEtFOSAA	4.39	5.86	5.6	4.5	5.6	3.7	2.9	3.2	4.2	3.4	3.8	2.5	3.3	3.7	4.3	3	2.8
NEtFOSE	0	0	0	0	2.1	2.3	0	0	4.8	0	0	0	0	0	0	0	0
NFDHA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NMeFOSA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NMeFOSAA	9.38	10.8	9.4	6.4	7.3	5.4	4.7	5.6	7.1	6.1	7.5	5.8	5.6	6.1	11	6.8	5.5
NMeFOSE	0	0	0	0	6.2	5.5	0	0	8.9	5.4	0	0	0	6.8	0	0	0
PFBA	0	0	0	11	0	2.5	4.5	0	0	0	0	0	0	0	0	0	0
PFBS	0.98	5.62	0	0	0	1.1	0	0	0	3.6	0	0	0	0	0	0	0
PFDA	6.74	7.25	6.2	3.5	5.6	5.6	3.3	3.8	5.8	4.7	4.8	3	4.5	4.6	4.6	2.8	3.3
PFDoA	1.93	2.71	2.3	0	1.8	1.9	0	2	2.4	2	2.2	0	2.1	2.3	0	0	0
PFDoS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFDS	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1	0	0	0
PFEESA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFHpA	0	0	0	0	0.09	0.18	0	0	0	0	0	0	0	0	0	0	0
PFHpS	0	3.65	0	0	0	7.4	0	0	0	4.8	0	0	0	0	0	0	0
PFHxA	0	0	0	0	0.56	0.69	0	0	0	0	0	0	0	2	0	0	0
PFHxS	0	2.29	0	2	0	1.4	1.3	0	0	0.57	0	0	0	1	0	0	0
PFMBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFMPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFNA	0	0	0	0	0.74	0.51	0	0	0.55	0.49	0	0	0	0.99	0	0	0
PFNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFOA	1.26	0	0	0	1.9	1.8	1.1	0	0.87	0.91	0	0	0	0	2.9	0	0
PFOS	23.2	25.8	29	25	26	18	15	15	13	13	16	18	11	11	10	10	7.6
PFOSA	1.83	0	2.3	0	1.6	1.5	1.2	0	1.9	1.8	2	0	0	1.4	1.9	0	0
PFPeA	0	0	0	0	0.32	0.24	0	0	0	0	0	0	0	0	0	0	0
PFPeS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PFTeDA	0	0	0	0	0.45	0.54	0	0	0.59	0	0	0	0	0	0	0	0
PFTrDA	0	0	0	0	0.39	0.29	0	0	0.74	0.86	0	0	0	0	0	0	0
PFUnA	1.01	0	0	0	0.89	0.76	0	0	0.92	0.94	0	0	0	0	0	0	0

*Cells with a 0 should be interpretted as a non-detect.

*Highlighted rows include at least one sample within the last year with a detect for that compound.