

Table 3.11-45
Brookhaven National Laboratory
OU III Western South Boundary Treatment System Monitoring Results
Sampled February 20, 2019 and April 1, 2019
PFAS Concentrations in Nanograms per Liter (ng/L)

	Perfluorooctanesulfonate (PFOS)	Perfluoroundecanoic acid (PFUdA)	N-methylperfluoro-1-octanesulfonamidoacetic acid	Perfluoropentanoic acid (PFPeA)	Perfluoropentanesulfonate (PFPeS)	N-ethylperfluoro-1-octanesulfonamidoacetic acid	Perfluorohexanoic acid (PFHxA)	Perfluorododecanoic acid (PFDoA)	Perfluorooctanoic acid (PFOA)	Perfluorodecanoic acid (PFDA)	Perfluorodecane sulfonate (PFDS)	Perfluorohexanesulfonate (PFHxS)	Perfluorobutyric acid (PFBA)	Perfluorobutanesulfonate (PFBS)	Perfluoroheptanoic acid (PFHpA)	Perfluoroheptanesulfonate (PFHpS)	Perfluorononanoic acid (PFNA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorononanesulfonate (PFNS)	Perfluorotridecanoic acid (PFTrDA)	Perfluorooctanesulfonamide (PFOSA)	PFOA/PFOS (Combined)
Sample																						
WSB-1	5.7	<	<	<	1.7	<	0.9 J	<	3.2	<	<	11.7	6.4	1.5J	<	<	<	<	<	<	<	8.9
WSB-2	1.5J	<	<	<	<	<	<	<	<	<	<	2.4	6.4	<	<	<	<	<	<	<	<	1.5
WSB-3	1.1J	<	<	<	1.7J	<	3	<	1.5	<	<	5.2	3.8	1.7	<	<	<	<	<	<	<	2.6
WBS-4	<	<	<	<	0.7J	<	<	<	<	<	<	1.6J	8.7	2.1	<	<	<	<	<	<	<	0
WSB-5	<	<	<	<	<	<	<	<	<	<	<	<	6.2	<	<	<	<	<	<	<	<	0
WSB-6	<	<	<	<	<	<	<	<	<	<	<	<	1.3J	<	<	<	<	<	<	<	<	0
WSB Inf. (a)	2.2	<	<	<	0.6J	<	0.7 J	<	1.3J	<	<	3.8	5.5	1J	<	<	<	<	<	<	<	3.5
WSB Eff. (b)	7.6	<	<	0.9 J	1.5J	<	3.3	<	4.1	<	<	16.8	6.9	1.5J	0.7J	<	<	<	<	<	<	11.7

(a): WSB system influent and effluent samples were collected April 1, 2019 after the system was in full-time operation.

(b): Combined effluent for WSB, Middle Road and OU III South Boundary treatment systems.

J: Estimated concentration

<: Not detected. Typical detection limit is 0.6 ng/L