

Emerging Contaminant Sampling Initiative

EC Form 1: Initial Groundwater Sampling Results Evaluation



Site Name: _____ Site ID: _____

Date(s) Sampled: _____ Class: _____

Number of Monitoring Wells: _____ (attach figure showing sampling locations)

Groundwater Screening

Chemical	Screening level (DWQC Recommended MCL)	Max. concentration detected	Check box if level exceeded
1,4-dioxane in groundwater	1 ug/L (ppb)		
PFOA in groundwater	10 ng/L (ppt)		
PFOS in groundwater	10 ng/L (ppt)		
Awareness			
Other PFAS (not PFOA/PFOS)	Any one compound over 100 ng/L		
Total PFAS (incl. PFOA/PFOS)	Total concentration over 500 ng/L		

STOP here if no screening levels are exceeded. No further action required at this time.

Proximity to Water Supplies

Water supply type	Any wells within ½ mile of site?	Distance (ft)	Method(s) used to confirm water supply well locations
Public well(s)			
Private well(s)			

If water supply wells are confirmed within ½ mile of site, discuss need for sampling these supply wells with DOH. Create a *EC Water Supply Sampling* project in UIS to track drinking water sampling efforts as directed.

Apparent Source(s)

Chemical	Past use or storage of chemical on-site?	Describe reasons for suspecting apparent source(s)
1,4-dioxane		
PFAS		

If an apparent on-site source is suspected, incorporate further work into ongoing remedial program if possible.

Further action required at this time?

Yes

No

Use the box at the bottom of page 2 to summarize site-specific next steps or provide rationale for not recommending further action if screening levels are exceeded.

Project Manager

Section Chief

Bureau Director

Date Signed

**NEW
YORK
STATE**



OFF-SITE RI MONITORING WELL LOCATIONS
 NYSDEC SITE# C224203. 510 DRIGGS AVE, BROOKLYN, NY

FIGURE 5

FORMER STERLING TRANSFORMER CORP., OFF-SITE



Table 4
Groundwater Sample Results
Former Sterling Transformer Corp., Off-Site
510 Driggs Ave., Brooklyn, NY

Sample: Location: Sample Date: Start Depth (ft): End Depth (ft):				OSMW-1-20181218 OSMW-1 12/18/2018 7 17		OSMW-2-20181218 OSMW-2 12/18/2018 7 17		OSMW-3-20181218 OSMW-3 12/18/2018 7 17		OSMW-3-20181218-1 OSMW-3 DUP 12/18/2018 7 17		OSM3-4-20181218 OSMW-4 12/18/2018 7 17		OSMW-5-20181218 OSMW-5 12/18/2018 7 17	
Analyte	CAS Number	NYS 703.5 TOGS Class GA Criteria	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Ethyl Tert-Butyl Ether	637-92-3		ug/l	0.095	U	0.19	U	0.095	U	0.095	U	0.095	U	0.095	U
Ethylbenzene	100-41-4	5	ug/l	0.13	U	0.26	U	0.13	U	0.13	U	0.13	U	0.13	U
Freon 113	76-13-1	5	ug/l	0.2	U	0.39	U	0.2	U	0.2	U	0.2	U	0.2	U
Hexachlorobutadiene	87-68-3	0.5	ug/l	0.59	U	1.2	U	0.59	U	0.59	U	0.59	U	0.59	U
Isopropyl benzene	98-82-8	5	ug/l	0.12	U	0.24	U	0.12	U	0.12	U	0.12	U	0.12	U
Isopropyl Ether	108-20-3		ug/l	0.18	U	0.36	U	0.18	U	0.18	U	0.18	U	0.18	U
m,p-Xylene	179601-23-1		ug/l	0.26	U	0.51	U	0.26	U	0.26	U	0.26	U	0.26	U
Methyl acetate	79-20-9		ug/l	0.42	U	0.84	U	0.42	U	0.42	U	0.42	U	0.42	U
Methyl T-Butyl Ether (MTBE)	1634-04-4	10	ug/l	0.09	U	0.18	U	0.09	U	0.09	U	2.4		0.09	U
Methylcyclohexane	108-87-2		ug/l	0.63	U	1.3	U	0.63	U	0.63	U	0.63	U	0.63	U
Naphthalene	91-20-3	10	ug/l	0.12	U	0.24	U	0.12	U	0.12	U	0.12	U	0.12	U
N-Butylbenzene	104-51-8	5	ug/l	0.15	U	0.3	U	0.15	U	0.15	U	0.15	U	0.15	U
N-PROPYLBENZENE	103-65-1	5	ug/l	0.13	U	0.26	U	0.13	U	0.13	U	0.13	U	0.13	U
O-Xylene	95-47-6	5	ug/l	0.13	U	0.26	U	0.13	U	0.13	U	0.13	U	0.13	U
SEC-Butylbenzene	135-98-8	5	ug/l	0.13	U	0.26	U	0.13	U	0.13	U	0.13	U	0.13	U
Styrene	100-42-5	5	ug/l	0.15	U	0.3	U	0.15	U	0.15	U	0.15	U	0.15	U
T-Butylbenzene	98-06-6	5	ug/l	0.12	U	0.24	U	0.12	U	0.12	U	0.12	U	0.12	U
Tert-Butyl Alcohol	75-65-0		ug/l	2.2	U	4.3	U	2.2	U	2.2	U	2.2	U	2.2	U
Tetrachloroethene	127-18-4	5	ug/l	0.27	U	0.54	U	0.27	U	0.27	U	0.27	U	0.27	U
Tetrahydrofuran	109-99-9	50	ug/l	1.1	U	2.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Toluene	108-88-3	5	ug/l	0.17	J	0.34	U	0.17	U	0.17	U	0.17	U	0.17	J
Trans-1,2-Dichloroethene	156-60-5	5	ug/l	0.15	U	2.6	D	0.37	J	0.36	J	0.15	U	0.15	U
Trans-1,3-Dichloropropene	10061-02-6		ug/l	0.11	U	0.22	U	0.11	U	0.11	U	0.11	U	0.11	U
Trans-1,4-Dichloro-2-Butene	110-57-6	5	ug/l	0.31	U	0.62	U	0.31	U	0.31	U	0.31	U	0.31	U
Trichloroethylene	79-01-6	5	ug/l	31		63	D	6.6		6.2		0.2	U	0.26	J
Trichlorofluoromethane	75-69-4	5	ug/l	0.15	U	0.29	U	0.15	U	0.15	U	0.15	U	0.15	U
Vinyl Chloride	75-01-4	2	ug/l	0.13	U	7	D	0.43	J	0.13	U	0.13	U	0.13	U
Semi-Volatile Organic Compounds															
1,4-Dioxane	123-91-1	0.35	ug/l	0.22	J	0.14	J	0.17	J	0.11	J	0.44		0.1	J
Perfluorocarbons															
2-(N-methyl perfluorooctanesulfonamido) acetic acid	2355-31-9		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
N-Ethyl-N-((heptadecafluorooctyl)sulphonyl) glycine	2991-50-6		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluorobutanesulfonic Acid	375-73-5		ng/l	15		24		28		91		3.3		29	
Perfluorobutyric Acid (PFBA)	375-22-4		ng/l	3.8		6.4		12		42		5.8		9.2	
Perfluorodecane Sulfonic Acid	335-77-3		ng/l	2.3		2	U	2	U	2	U	2	U	2	U
Perfluorodecanoic Acid (PFDA)	335-76-2		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluorododecanoic Acid (PFDoA)	307-55-1		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluoroheptane Sulfonate (PFHpS)	375-92-8		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9		ng/l	8.2		18		20		2	U	18		24	
Perfluorohexanesulfonic Acid	355-46-4		ng/l	16		12		9.1		2	U	7.3		22	
Perfluorohexanoic Acid (PFHxA)	307-24-4		ng/l	12		21		44		15		18		31	
Perfluorononanoic Acid	375-95-1		ng/l	2	U	6.4		3.7		2	U	2	U	4.9	
Perfluorooctane Sulfonamide (FOSA)	754-91-6		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3		ng/l	19		18		55		2	U	14		23	
Perfluorotetradecanoic Acid (PFTeA)	376-06-7		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluorotridcanoic Acid (PFTriA)	72629-94-8		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-decane sulfonate (6:2)	M2-8:2FTS		ng/l	2	U	2	U	2	U	2	U	2	U	2	U
Sodium 1H,1H,2H,2H-perfluoro-1-[1,2-13C2]-octane sulfonate (6:2)	M2-6:2FTS		ng/l	2	U	2.1		2	U	5.5		2	U	2	U
Perfluorooctane Sulfonic Acid (PFOS)	1763-23-1		ng/l	11		29		24		15		5.6		26	
Perfluorooctanoic acid (PFOA)	335-67-1		ng/l	75		150		99		20		73		79	
Sum of PFOA and PFOS		10	ng/l	86		179		123		35		78.6		105	

Former Sterling Transformer Corp. - Off-Site

Statistic	Concentration	Units	Sample Source	Max non PFOS/PFOA compound
Maximum 1,4-Dioxane	0	ug/L		
Maximum PFOA	150	ng/L	OSMW-2-20181218	
Maximum PFOS	29	ng/L	OSMW-2-20181218	
Maximum PFAS compound aside from PFOS/PFOA	91	ng/L	OSMW-3-20181218-1	Perfluorobutanesulfonic acid (PFBS)
Total PFAS including PFOS and PFOA	294.8	ng/L	OSMW-3-20181218	