

Emerging Contaminant Sampling Initiative

EC Form 1: Initial Groundwater Sampling Results Evaluation



Site Name: Fresh and Clean Site ID: 130111
 Date(s) Sampled: October 22, 2018 Class: 2
 Number of Monitoring Wells: 2 (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)	1.2	☒
PFOA in groundwater	10 ng/L (ppt)	27	☒
PFOS in groundwater	10 ng/L (ppt)	7.2	☐
Awareness			
Other PFAS (not PFOA/PFOS)	Any one compound over 100 ng/L	19	☐
Total PFAS (incl. PFOA/PFOS)	Total concentration over 500 ng/L	102.7	☐

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)	Yes	1760 ft	GIS
Private well(s)	yes	1375 ft	GIS

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	no	
PFAS	no	

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.

Joey G Jones
Project Manager

Eric R. Smith
Bureau Director

[Signature]
Section Chief

10/31/19
Date Signed

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Checklist for Completing EC Form 1:

- ☒ Did you include a value in "Maximum Level Detected" even if the screening levels were not exceeded?
- ☒ Did you enter "ND" if nothing detected or "NA" if not analyzed?
- ☒ Did you check your units (ug/L vs ng/L)?
- ☒ Did you include PFOA & PFOS when totaling "Total PFAS"?
- ☒ Did you check yes or no for "Is further action required at this time?"
- ☒ Did you include "next steps", or provide justification for not recommending further action, if RMCLs are exceeded?
- ☒ Did you attach a figure with sampling locations?
- ☒ Did you attach emerging contaminant data? (not the full data package—only enough for all reviewers to double check that the form is filled out properly)
- ☒ Did you read through the internal DER Emerging Contaminant website for guidance on what to do if you have exceedances?
- ☒ Did you check with state/local DOH or with local public water suppliers to help determine the presence of private drinking water wells?
- ☒ Is the data in EQUIS?
- ☒ Did you complete the UIS EC project current status per the internal DER Emerging Contaminant website?

This form is to be uploaded to DecDocs when completed. A copy of the signed form is to be sent to Caryn Bower (OGC) and Eric Hausamann (DER Bureau D/Sec D).

Site-specific next steps or rationale for not recommending further action

A groundwater use investigation should be completed for the area around the site to determine if there are additional private, public, or other potable wells nearby. If any wells are identified, recommend analytical sampling following NYSDEC protocols to determine if they are impacted by Emerging or other site contaminants.

The closest production well is Glen Head Well NY2902853, ID 2558043, as indicated on the map. LI Well 12756, a domestic well, is also located within 1/2 mile of the site.

130111 - Former Fresh and Clean - 1/2 Mile Radius



CHEMICAL_NAME CAS_RN					Perfluorobutanesulfonic acid (PFBS) 375-73-5				
Location	Sample Name	Sample Date	Matrix	Analytical Method	EQiS Date Loaded	Result	Qual	Unit	RDL
FCMW-1	FCMW-01-20181022	22 Oct 2018	WG	E537-LL	12/24/2018 8:40:00	4.6		ng/l	1.8
FCMW-3	FCMW-03-20181022	22 Oct 2018	WG	E537-LL	12/24/2018 8:40:00	2.3		ng/l	1.7
					Perfluorobutanoic Acid 375-22-4				
					EQiS Date Loaded	Result	Qual	Unit	RDL
					12/24/2018 8:40:00	7.3		ng/l	1.8
					12/24/2018 8:40:00	3.8		ng/l	1.7
					Perfluorodecane Sulfonic Acid 335-77-3				
					EQiS Date Loaded	Result	Qual	Unit	RDL
					12/24/2018 8:40:00	1.8	U	ng/l	1.8
					12/24/2018 8:40:00	1.7	U	ng/l	1.7
					Perfluorodecanoic acid (PFDA) 335-76-2				
					EQiS Date Loaded	Result	Qual	Unit	RDL
					12/24/2018 8:40:00	1.8	U	ng/l	1.8
					12/24/2018 8:40:00	1.7	U	ng/l	1.7
					Perfluorododecanoic acid (PFDoA) 307-55-1				
					EQiS Date Loaded	Result	Qual	Unit	RDL
					12/24/2018 8:40:00	1.8	U	ng/l	1.8
					12/24/2018 8:40:00	1.7	U	ng/l	1.7
					Perfluoroheptane Sulfonate (PFHPS) 375-92-8				
					EQiS Date Loaded	Result	Qual	Unit	RDL
					12/24/2018 8:40:00	0.32	J	ng/l	1.8
					12/24/2018 8:40:00	0.21	J	ng/l	1.7
					Perfluoroheptanoic acid (PFHpA) 375-85-9				
					EQiS Date Loaded	Result	Qual	Unit	RDL
					12/24/2018 8:40:00	12		ng/l	1.8

12/24/2018 8:40:00	5.3		ng/l	1.7
Perfluorohexanesulfonic acid (PFHxS) 355-46-4				
EquIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	3.3	J	ng/l	1.8
12/24/2018 8:40:00	3.5	J	ng/l	1.7
Perfluorohexanoic acid (PFHxA) 307-24-4				
EquIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	19		ng/l	1.8
12/24/2018 8:40:00	6.4		ng/l	1.7
Perfluorononanoic acid (PFNA) 375-95-1				
EquIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	2.6		ng/l	1.8
12/24/2018 8:40:00	0.43	J	ng/l	1.7
Perfluorooctane Sulfonamide (FOSA) 754-91-6				
EquIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	1.8	U	ng/l	1.8
12/24/2018 8:40:00	1.7	U	ng/l	1.7
Perfluorooctanesulfonic acid (PFOS) 1763-23-1				
EquIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	7.9	J	ng/l	1.7
12/24/2018 8:40:00	3.8	J	ng/l	1.7
Perfluorooctanoic acid (PFOA) 335-67-1				
EquIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	27		ng/l	1.8
12/24/2018 8:40:00	20		ng/l	1.7
Perfluoropentanoic Acid (PFPeA) 2706-90-3				
EquIS Date Loaded	Result	Qual	Unit	RDL

12/24/2018 8:40:00	19		ng/l	1.8
12/24/2018 8:40:00	5.9		ng/l	1.7
Perfluorotetradecanoic acid (PFTA) 376-06-7				
EQuIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	1.8	U	ng/l	1.8
12/24/2018 8:40:00	1.7	U	ng/l	1.7
Perfluorotridecanoic Acid (PFTriA) 72629-94-8				
EQuIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	1.8	U	ng/l	1.8
12/24/2018 8:40:00	1.7	U	ng/l	1.7
Perfluoroundecanoic Acid (PFUnA) 2058-94-8				
EQuIS Date Loaded	Result	Qual	Unit	RDL
12/24/2018 8:40:00	1.8	U	ng/l	1.8
12/24/2018 8:40:00	1.7	U	ng/l	1.7

CHEMICAL_NAME CAS_RN					1,4-Dioxane (P-Dioxane) 123-91-1				
Location	Sample Name	Sample Date	Matrix	Analytical Method	EquIS Date Loaded	Result	Qual	Unit	RDL
FCMW-1	FCMW-1	05 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	0.88		ug/l	0.19
FCMW-2	FCMW-2	02 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	1.2	J	ug/l	0.19
FCMW-3	FCMW-3	05 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	0.11	J	ug/l	0.19
MW-1	MW-1	03 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	0.2	J	ug/l	0.23
MW-3	MW-3	03 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	0.38		ug/l	0.21
MW-5	MW-5	05 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	0.55		ug/l	0.19
MW-6	MW-6	02 Oct 2018	WG	SW8270DSIM	11/19/2018 2:54:00	0.17	J	ug/l	0.19