Emerging Contaminant Sampling Initiative EC Form 1: Initial Groundwater Sampling Results Evaluation

Site Name:							Sit	te ID:			
Date(s) Sampled:						Class:					
Number of Monitorir	ng Wells:				_ (attach f	igure sho	wing sam	pling locations)		
Groundwater Sc	reening										
Chemical		Screening level (DWQC Recommended MCL)			Ma	x. concent detecte	Check box if level exceeded				
1,4-dioxane in groun	dwater	1 ug/L (ppb)									
PFOA in groundwate	r	10 ng/L (ppt)									
PFOS in groundwate	r	10 ng/L (ppt)									
Awareness											
Other PFAS (not PFO	A/PFOS)	Any one compound over 100 ng/L									
Total PFAS (incl. PFO	A/PFOS)	Total concentration over 500 ng/L									
STOP here if no scree	ening levels ar	e exce	eeded. I	No further action r	equi	red at t	nis time.				
Proximity to Wa	ter Supplie	S									
Water supply type	Any wells wi ½ mile of si	I Distance (ff)		Method	Nethod(s) used to confirm water supply well locations						
Public well(s)											
Private well(s)											
If water supply wells Create a <i>EC Water Su</i>											
Apparent Source			-								
Chemical Past use or chemical		storage of Describe reaso on-site?			ons for suspecting apparent source(s)						
1,4-dioxane											
PFAS											
If an apparent on-site	e source is sus	pecte	d, inco	rporate further wo	rk in	ito ongo	ing reme	dial prog	ram if possible.		
Further action rouse the box at the box recommending furth	ttom of page 2	2 to su	ımmari				No rovide rat	ionale fo	r not		
_	SpundMo	مر 05.	/04/20								
Project Manager			, ,	Sect	ion C	Chief					
			_								

Date Signed

Bureau Director

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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? (<u>not</u> 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 DOH-BEEI to help confirm the existence of public and private drinking water wells? DOH will handle communications with public water suppliers and local health departments.
	Is the data in EQuIS?
	Did you complete the UIS EC project current status per the internal DER Emerging Contaminant website?
	is form is to be uploaded to DecDocs when completed. A copy of the signed form is to be sent to Caryn wer (OGC) and Eric Hausamann (DER Bureau D/Sec D).
Sit	te-specific next steps or rationale for not recommending further action

Table 2-2. June 2018 Non-Routine Groundwater Sampling – Detected PFAS/PFOS

2018 Annual Periodic Review Report, Essex-Hope Site, Jamestown, New York

PFAS/PFOS - Modified Method E537 (ng/L)	USEPA Drinking Water Health Advisory Level	Strictest State Screening Levels	MW-112S	MW-113D	MW-113D (Field Dup)	MW-115D	MW-116S	MW-19S	MW-19D
6:2 Fluorotelomer sulfonic acid (6:2 FTS)			3.83 J	ND	ND	ND	ND	ND	ND
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)			ND	ND	0.745 J	ND	ND	ND	ND
Perfluorobutane sulfonic acid (PFBS)		2,000 (MA, MN)	0.981 J	0.628 J	0.772 J	ND	0.652 J	0.604 J	ND
Perfluorobutanoic acid (PFBA)		7,000 (MN)	4.73	9.92	9.42	1.81	5.3	4.68	2.55
Perfluorodecanoic acid (PFDA)		370 (TX)	3.02	ND	ND	ND	ND	2.26	ND
Perfluoroheptane sulfonate (PFHpS)			ND	ND	ND	ND	ND	0.321 J	ND
Perfluoroheptanoic acid (PFHpA)		70 (CO, CT, MA)	5.19	8.9	8.6	ND	3.62	2.59	ND
Perfluorohexane sulfonic acid (PFHxS)		27 (MN)	1.88 J	0.754 J	0.876 J	ND	1.79 J	ND	ND
Perfluorohexanoic acid (PFHxA)		93 (TX)	5.78	20.3	20.4	ND	5.57	2.98	ND
Perfluorononanoic acid (PFNA)		10 (NJ)	2.13	0.168 J	0.09 J	ND	0.456 J	1.42 J	ND
Perfluorooctane sulfonamide (FOSA)		200 (OR)	0.277 J	ND	0.231 J	ND	ND	ND	ND
Perfluorooctane sulfonic acid (PFOS)	70	11 (MI)	5.98	ND	ND	ND	7.03	4.74	ND
Perfluorooctanoic acid (PFOA)	70	14 (NJ)	13.1	11.8	10.8	ND	6.2	5.07	0.356 J
Perfluoropentanoic acid (PFPeA)		93 (TX)	4.58	30.4	29.9	1.26 J	7.58	3.92	ND

Notes:

Samples collected on June 27 and 28, 2018. Only detected parameters are shown.

Results are shown in ng/L or parts per trillion.

Bold values indicate detections above the laboratory MDL.

No NYS promulgated values for PFAS. EPA drinking water health advisory levels and strictest state screening levels presented for comparison. Source of strictest state screening levels is ITRC PFAS Fact Sheet Table 4-1, updated July 16, 2018.

J = Estimated value; the target analyte concentration is below the quantitation limit (RL), but above the MDL.

MDL = method detection limit

ND = Not detected above the respective laboratory MDL.

ng/L = nanogram(s) per liter

PFAS = perfluoroalkylated substances

PFOS = perfluorooctane sulfonate

RL = reporting limit

GES0304191231BOS 1 OF 1

Table 2-3. November 2018 Non-Routine Groundwater Sampling – 1,4-Dioxane Results

2018 Annual Periodic Review Report, Essex-Hope Site, Jamestown, New York

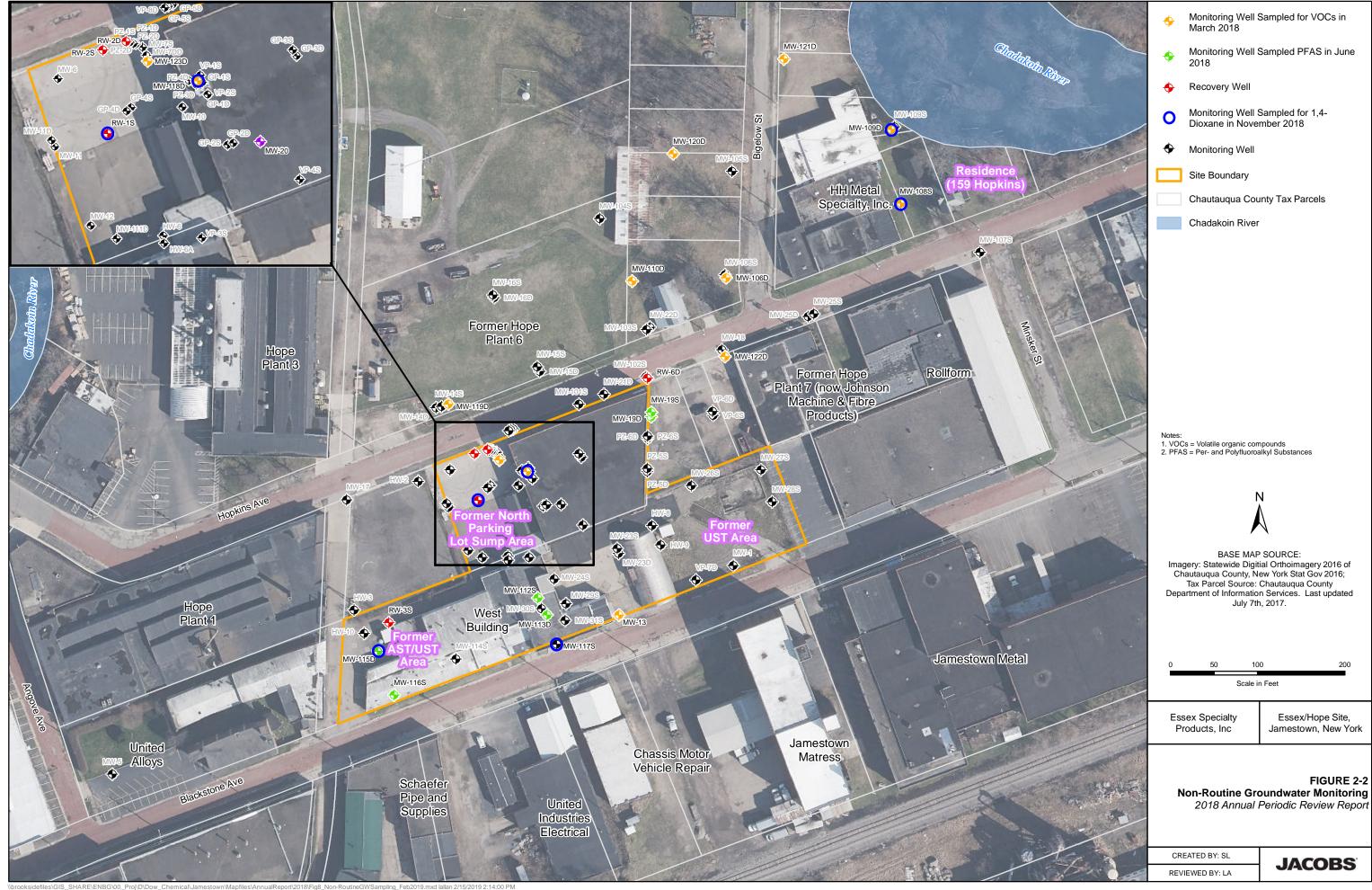
Location ID	Sample Date	1,4-Dioxane (μg/L)			
MW-108S	11/14/2018	0.142 U			
MW-108S (Dup)	11/14/2018	0.144 U			
MW-109D	11/14/2018	0.150 U			
MW-115D	11/14/2018	0.144 U			
MW-117S	11/13/2018	0.144 U			
MW-118D	11/15/2018	0.418			
RW-1S	11/15/2018	0.153 U			

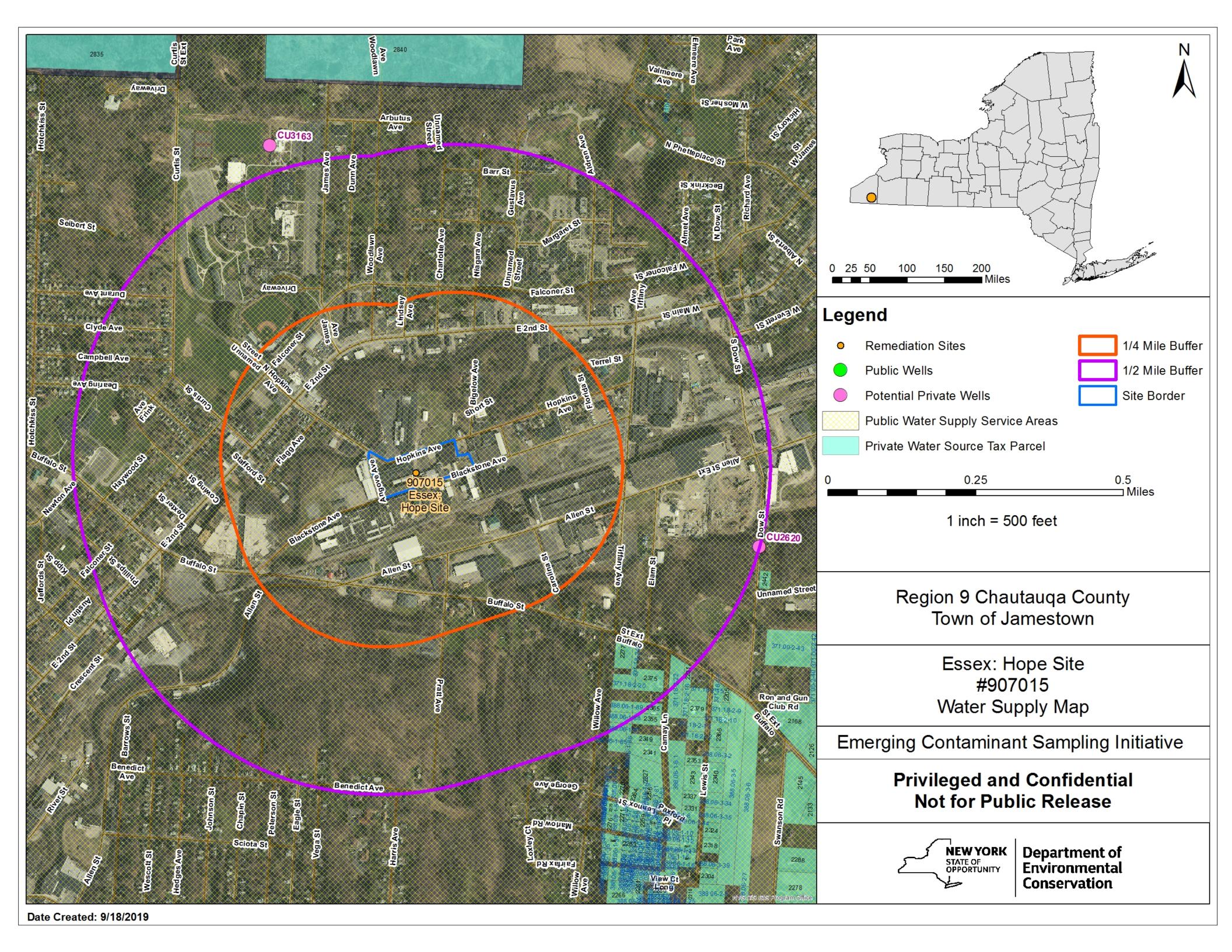
Notes:

Detections in bold

 μ g/L = microgram(s) per liter SIM = selective ion monitoring U = Analyte not detected

GES0304191231BOS 1 OF 1





From: Martin, Angela L (HEALTH)
To: Moore, Maurice (DEC)

Cc: <u>Vooris, Christine N (HEALTH)</u>; <u>Vaccaro, Joshua M (DEC)</u>; <u>Bethoney, Charlotte M (HEALTH)</u>

Subject: EC Sampling Initiative - Water Supply Well Information, Essex-Hope Site 907015

Date: Monday, May 4, 2020 2:21:52 PM

Attachments: 907015 EssexHopeSite WaterSupplyMap.pdf

Good Afternoon Maurice,

I have determined that water supply well sampling is not required at this time. (As requested, we also determined that there are no PWS wells within the 0.5 mile radius.)

[EC Initiative]

Thank you, Angie

Angela Martin

Public Health Specialist, Bureau of Environmental Exposure Investigation

New York State Department of Health

Center for Environmental Health

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