

Jameson McWilliams

From:
Sent:
To:

Cc:

Subject: Wainscott PFC Weekly Update - 6/15/18
Attachments: Wainscott Survey Area 5-24-18.pdf; Wainscott Monitoring Wells PFASs 5-23-18.pdf; WAINSCOTT Results summary 6-14-18.xlsx

Supervisor Van Scoyoc,

Listed below and attached is the latest PFC summary of results for the Wainscott private well survey and groundwater work conducted by the SCDHS Office of Water Resources. Also attached are maps showing the location and results of the groundwater profile wells and the expanded private well survey area.

Wainscott New Findings/Information (since prior update - 6/8/18)

* Since the last update, staff have sampled twenty (20) private wells, and nine (9) new PFC results have been received. Two (2) of the results were above HAL; 2 results were below the HAL; and there were 5 non-detections. The two results above the HAL were obtained from 2 separate wells serving a single property located on the west side of Sayres Path. To date, 608 properties potentially served with private wells have been identified within the entire current survey area (this includes the recent Phase IV expansion). **Note: Total wells tested 303, less wells with "no detections" (144), is equal to 159 wells with detectable levels of PFOS/PFOA contamination (by Si Kinsella).**

PFC results have been received for 303 of the 336 wells sampled in Phases 1, 2, 3, & 4 as follows:

- Thirteen (13) wells are above the USEPA Health Advisory Level (HAL) of 70 parts per trillion.
- One hundred and forty-six (146) wells are below the HAL. PFOS/PFOA combined concentrations in 128 of the 146 wells are less than 20 ppt; eighteen (18) of the 146 wells have detections of combined PFOS/PFOA above 20 ppt, ranging from 22 ppt to 59.3 ppt.
- **One hundred and forty-four (144) wells had no detections** of PFOS/PFOA.

As part of the current survey, 336 wells (serving 326 properties) have been sampled; 232 homeowners did not respond; 4 refused sampling; and 46 applications have been received and are scheduled for sampling. Please note that due to the seasonal nature of some of these properties access for sampling at these residences may not be available in the near future. As additional information becomes available, SCDHS will reevaluate the need to make additional changes to the private well survey area.

Wainscott Private Well Survey (Overall Status - Includes Phase I, Phase II, Phase III, and Phase IV)

At this time, a total number of 608 properties potentially served with private wells have been identified within the current survey area (247 properties in Phase I, 151 properties in Phase II, 42 properties in Phase III, and 168 properties in Phase IV).

Overall Status of the 608 Properties with Potential Wells

- *Total number of wells sampled: 336 (note: 326 properties are served with 336 wells)
- *Total number of homes/businesses that refused a sample: 4
- *Total number of residences that did not respond: 232
- *Total number of developed properties with unoccupied buildings/residences: 0
- *Total number of requests for sampling: 46

Analytical Results Summary for the 336 Wells Sampled

- # of wells above the PFOS/PFOA HAL: 13
- # of wells below the PFOS/PFOA HAL: 146
- # of wells with no detections of PFOS/PFOA: 144
- # of PFOS/PFOA sample results pending: 33

The statistics for each individual phase are shown below:

Wainscott Survey - Phase I

A total number of 247 properties potentially served with private wells have been identified within this area

Status of the 247 Properties with Potential Wells

- *Total number of wells sampled within survey area: 200 (note: 191 properties are served with 200 wells)
- *Total number of homes/businesses refusing a sample within survey area: 3
- *Total number that did not respond: 46
- *Total number of developed properties with unoccupied buildings/residences: 0
- *Total number of requests for sampling: 7

Analytical Results Summary for the 200 Wells Sampled

- # of wells above the PFOS/PFOA HAL: 3
- # of wells with detections, below the PFOS/PFOA HAL: 82
- # of wells with no detections of PFOS/PFOA: 108
- # of wells with PFOS/PFOA results that are pending: 7

Wainscott Survey - Phase II

A total of 151 properties potentially served with private wells have been identified within this area

Status of the 151 Properties with Potential Wells

- *Total number of wells sampled within survey area: 99
- *Total number of homes/businesses refusing a sample within survey area: 1
- *Total number that did not respond: 46
- *Total number of developed properties with unoccupied buildings/residences: 0
- *Total number of requests for sampling: 5

Analytical Results Summary for the 99 Wells Sampled

- # of wells above the PFOS/PFOA HAL: 6
- # of wells with detections, below the PFOS/PFOA HAL: 57
- # of wells with no detections of PFOS/PFOA: 29
- # of wells with PFOS/PFOA results that are pending: 7

Wainscott Survey - Phase III

A total of 42 properties potentially served with private wells have been identified within this area

Status of the 42 Properties with Potential Wells

- *Total number of wells sampled within survey area: 18 (note: 19 wells are served with 18 properties)
- *Total number of homes/businesses refusing a sample within survey area: 0

- *Total number that did not respond: 22
- *Total number of developed properties with unoccupied buildings/residences: 0
- *Total number of requests for sampling: 2

Analytical Results Summary for the 19 Wells Sampled

- # of wells above the PFOS/PFOA HAL: 4
- # of wells with detections, below the PFOS/PFOA HAL: 7
- # of wells with no detections of PFOS/PFOA: 7
- # of wells with PFOS/PFOA results that are pending: 1

Wainscott Survey - Phase IV

A total of 168 properties potentially served with private wells have been identified within this area

Status of the 168 Properties with Potential Wells

- *Total number of wells sampled within survey area: 18
- *Total number of homes/businesses refusing a sample within survey area: 0
- *Total number that did not respond: 118
- *Total number of developed properties with unoccupied buildings/residences: 0
- *Total number of requests for sampling: 32

Analytical Results Summary for the 18 Wells Sampled

- # of wells above the PFOS/PFOA HAL: 0
- # of wells with detections, below the PFOS/PFOA HAL: 0
- # of wells with no detections of PFOS/PFOA:
- # of wells with PFOS/PFOA results that are pending: 18

Non-Community Public Water Supply Sampling (Vicinity of the East Hampton Airport) in Wainscott

At the request of the NYSDOH, OWR staff sampled 12 wells serving (10) Non-Community Public Water Supply facilities located in the area of the East Hampton Airport, in East Hampton. PFCs were detected at 6 of the 10 systems tested, with the combined PFOS/PFOA concentrations ranging up to 44.1 ppt.

Analytical Results Summary for the 12 Non-Community Public Supply Wells Sampled

- # of wells with detections above the PFOS/PFOA HAL: 0
- # of wells with detections, below the PFOS/PFOA HAL: 7
- # of wells with no detections of PFOS/PFOA: 5
- # of wells with PFOS/PFOA results that are pending: 0

Groundwater Monitoring Wells

A total of 13 profile wells were installed and sampled by OWR staff

Analytical Results Summary for the 13 Profile Wells Sampled

- # of wells above the PFOS/PFOA HAL: 2 (highest concentration was ~357 ppt)
- # of wells with detections, below the PFOS/PFOA HAL: 7 (4 of the wells had detections below 20 ppt)
- # of wells with no detections of PFOS/PFOA: 4

Thank you,
Christina

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Deputy Commissioner

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Suffolk County
Department of Health Services
Private Well Survey Area
Wainscott - PFASs
May 24, 2018



Legend
Expanded Survey Area
May 23, 2018

N
W E
S
0 1,000
US Survey feet

Wainscott Well Survey PFOS & PFOA Private Well Results to Date

Suffolk County Department of Health Services Survey# SV0317

DRAFT

Last Revised: 6/14/18

PFOS (ppb)	PFOA (ppb)	PFOS/PFOA Combined (ppt)
0.74	0.051000	791
0.16	0.012000	172
0.124000	0.044400	168.40
0.15	0.008000	158
0.0740	0.0828	156.80
0.106	0.006150	112.15
0.099	0.007800	106.8
0.1	0.006300	106.3
0.0838	0.013700	97.50
0.068	0.009800	77.8
0.072	0.003100	75.1
0.06900	0.00340	72.4
0.06700	0.00320	70.2
0.0305	0.0288	59.30
0.038800	0.018100	56.90
0.0350	0.0210	56.00
0.031900	0.016200	48.10
0.045	<0.00200	45
0.0246	0.017800	42.40
0.033000	0.008100	41.10
0.0024	0.036000	38.4
0.023100	0.014600	37.70
<0.00200	0.037000	37
0.031	0.005800	36.8
0.0042	0.031000	35.2
0.0031	0.028000	31.1
0.023	0.006700	29.7
0.01	0.014000	24
0.0165	0.007250	23.75
<0.00200	0.023000	23.00
0.016	0.006000	22
0.00252	0.017300	19.82
0.0166	0.0022	18.80
0.016	0.002800	18.8
0.0141	0.004320	18.42
0.006300	0.011600	17.90
0.015	0.002800	17.8
0.0066	0.011000	17.6
0.013	0.004100	17.1
0.0086	0.007800	16.4
0.0033	0.013000	16.3
0.00387	0.012200	16.07
0.010400	0.004960	15.36
0.007750	0.006680	14.43
0.0031	0.011000	14.1
0.008790	0.005140	13.93
0.008000	0.004550	12.55
0.0021	0.009800	11.9
0.0075	0.003600	11.1
<0.00200	0.011000	11.00
<0.00200	0.011000	11
0.0061	0.004500	10.6
0.0043	0.006200	10.5

0.007450	0.002440	9.89
<0.00191	0.009870	9.87
0.0031	0.006600	9.7
0.00588	0.003710	9.59
<0.00191	0.009400	9.40
0.0037	0.005400	9.1
0.00238	0.006440	8.82
<0.00200	0.008300	8.3
0.00202	0.00554	7.56
0.0024	0.005000	7.40
0.0022	0.005100	7.3
<0.00191	0.007230	7.23
0.007110	<0.00200	7.11
0.0026	0.004500	7.1
<0.00191	0.006880	6.88
0.0021	0.004700	6.8
<0.00191	0.006770	6.77
<0.00191	0.00672	6.72
0.00269	0.003950	6.64
0.006520	<0.00200	6.52
<0.00200	0.006500	6.50
<0.00191	0.00641	6.41
0.002650	0.003750	6.40
0.003550	0.002660	6.21
0.003070	0.003120	6.19
<0.00191	0.006130	6.13
0.00311	0.00300	6.11
0.0033	0.002800	6.1
<0.00200	0.006000	6
0.002350	0.003530	5.88
<0.00191	0.005700	5.70
0.0057	<0.00200	5.7
<0.00191	0.005670	5.67
<0.00191	0.005550	5.55
<0.00191	0.005510	5.51
0.002590	0.002840	5.43
<0.00191	0.005380	5.38
0.002440	0.002770	5.21
0.0025	0.002600	5.1
<0.00191	0.005070	5.07
0.0027	0.002200	4.9
<0.00191	0.004770	4.77
<0.00191	0.004740	4.74
<0.00191	0.004720	4.72
<0.00200	0.004700	4.7
0.002230	0.002450	4.68
0.001930	0.002710	4.64
0.004370	<0.00200	4.37
0.00432	<0.00200	4.32
<0.00200	0.004200	4.2
<0.00200	0.004200	4.2
<0.00191	0.004020	4.02
<0.00200	0.004000	4
<0.00200	0.003900	3.9
<0.00200	0.003900	3.9
<0.00200	0.003700	3.7
0.0036	<0.00200	3.6
0.003560	<0.00200	3.56
<0.00200	0.003500	3.5
<0.00200	0.003200	3.20
<0.00191	0.003200	3.20

<0.00200	<0.00200	No Detection
<0.00200	<0.00200	No Detection
<0.00200	<0.00200	No Detection
<0.00200	<0.00200	No Detection
<0.00200	<0.00200	No Detection
<0.00200	<0.00200	No Detection

Notes:

"<": Not detected above the listed reporting level


ppb: parts per billion

ppt: parts per trillion

PFOS: perfluorooctane sulfonate

PFOA: perfluorooctanoic acid

 Detect above HAL

 Detect below HAL; yellow highlight in combined column identifies combined detections of PFOS and PFOA above 20 ppt and below 70 ppt

Summary of Phase 1 and Phase 2 private well survey results as of 6/14/18:	
# of wells above the PFOS/PFOA HAL:	13
# of wells with detections, below the PFOS/PFOA HAL:	146
# of wells with no detections of PFOS/PFOA:	144