



## Town of Fairfield

### Health Department

**Date:** 8/22/19  
**From:** Sands Cleary, Health Director  
**Re:** Old Dam Road Recreation Building Rear Exterior Areas 8/22/19 Sampling Results

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At the Old Dam Road Tennis-Rec Building Exterior Areas 8 soil samples were tested for Asbestos, Arsenic, Lead, Extractable Total Petroleum Hydrocarbon (ETPH), PCB's, and Polycyclic Aromatic Hydrocarbon. In addition, 14 sample of materials were tested for asbestos.

**Two of the eight soil samples showed marginal exceedances for PAH's and one soil sample and a marginal exceedance for PCB's. All 14 samples of material did not find asbestos. As seen in the picture on the next page this area is behind the building away from public areas and will have access restricted.**

**Based the sampling results to date Tighe and Bond, in consultation with DPH, have advised the Town that use of the fields and areas by children and adults can continue without risk of health effects. Out of abundance of caution, those areas where exceedances were found will be cordoned off until further evaluation and remediation.**

When reviewing the following results page, the first column shows the different constituents tested for. The next two columns have the applicable standards which are defined in the key at the bottom of that page. The right most column shows the results of each individual sample.



TF S6		
Parameter	Concentration	Exceedance
Benz(a)anthracene	1.5	RES DEC/GA PMC
Benzo(a)pyrene	1.6	RES DEC/GA PMC
Benzo(b)fluoranthene	1.5	RES DEC/GA PMC
Benzo(ghi)perylene	1.3	GA PMC
Benzo(k)fluoranthene	1.1	GA PMC
Chrysene	1.7	GA PMC
Indeno(1,2,3-cd)pyrene	1.2	RES DEC/GA PMC

TF S7		
Parameter	Concentration	Exceedance
Benz(a)anthracene	1.7	RES DEC/GA PMC
Benzo(a)pyrene	1.7	RES DEC/GA PMC
Benzo(b)fluoranthene	1.6	RES DEC/GA PMC
Benzo(ghi)perylene	1.1	GA PMC
Benzo(k)fluoranthene	1.5	GA PMC
Chrysene	1.8	GA PMC
Indeno(1,2,3-cd)pyrene	1.2	RES DEC/GA PMC

DUP-4		
Parameter	Concentration	Exceedance
PCB-1268	1.1	RES DEC

TF S8		
Parameter	Concentration	Exceedance
PCB-1268	1.1	RES DEC

Asbestos was reported <0.0% in 12 samples collected from this area.

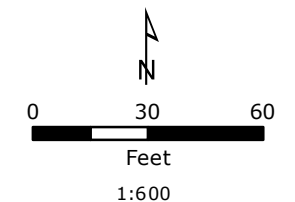
Asbestos was reported <0.0% in 3 samples collected from this area.

### EXCEEDANCE SUMMARY

#### LEGEND

- Approximate Sample Location
- Approximate Site Parcel
- Approximate Parcel Boundary
- Solar Panels
- Drainage Swale

#### LOCUS MAP



#### NOTES

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

**Tennis Facility**  
**210 Old Dam Road**  
**Fairfield, Connecticut**

August 2019



**TENNIS FACILITY**  
Summary of Soil Sample Analytical Data  
Fairfield, Connecticut  
Last Updated: 08/29/2019

Sample ID	CT RSR Criteria		US EPA	TFS1	TFS2	TFS3	TFS5	TFS6	TFS7	TFS8	Dup4	TFS9	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-	PACM-		
	RES DEC	GA PMC		0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	0-0.5 ft	TFS01	TFS01A	TFS02	TFS02A	TFS03	TFS04	TFS04A	TFS05	TFS05A	TFS06	TFS07	TFS08	TFS08A
Sample Depth				8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19	8/22/19
Sample Date				CD90742	CD90743	CD90744	CD90745	CD90746	CD90747	CD90748	CD90750	CD90749	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel	Solar Panel
Lab Sample ID													(Brick) ND	Mortar (ND)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Asbestos in Material by PLM<sup>1</sup></b>	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Asbestos PLM 198.1<sup>2</sup></b>																										
% Amosite	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Chrysotile	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Other	NA	NA	NA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Total Asbestos	NA	NA	1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Metals 6010D</b>																										
Arsenic	10	NA	NA	3.25	3.67	5.96	3.19	3.75	3.19	3.97	6.5	3.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	400	NA	NA	3.81	9.06	19.4	7.12	14.4	13.1	17.9	26.5	16.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>CTETPH 8015D (mg/Kg)</b>	500	500	NA	<58	<57	<61	<58	<500	<500	94	<57	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PCBs SW8082A (mg/Kg)</b>																										
PCB-1016	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1221	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1232	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1242	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1248	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1254	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1260	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	1.1	1.1	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1262	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	<0.38	<0.39	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCB-1268	NE	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	1.1	1.1	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total PCBs	1	NA	NA	<0.4	<0.38	<0.41	<0.39	<0.4	<0.34	1.1	1.1	<0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAHs SW8270D (mg/Kg)</b>																										
2-Methylnaphthalene	270	0.56	NA	<0.27	<0.27	<0.29	<0.27	<0.28	<0.24	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	1,000	8	NA	<0.27	<0.27	<0.29	<0.27	<0.28	<0.24	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1,000	8	NA	<0.27	<0.27	<0.29	<0.27	0.67	0.72	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1,000	40	NA	<0.27	<0.27	<0.29	<0.27	0.53	0.72	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	1	1	NA	<0.27	<0.27	0.63	<0.27	1.5	1.7	0.43	0.34	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1	1	NA	<0.27	<0.27	0.65	<0.27	1.6	1.7	0.41	0.36	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	1	NA	<0.27	<0.27	0.63	<0.27	1.5	1.6	0.38	0.36	0.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	8.4	1	NA	<0.27	<0.27	0.4	<0.27	1.3	1.1	0.27	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	8.4	1	NA	<0.27	<0.27	0.54	<0.27	1.1	1.5	0.33	<0.27	0.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	84	1	NA	<0.27	<0.27	0.69	<0.27	1.7	1.8	0.44	0.37	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	1	NA	<0.27	<0.27	<0.29	<0.27	<0.28	0.28	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000	5.6	NA	<0.27	<0.27	1.2	<0.27	2.2	2.9	0.81	0.62	0.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1,000	5.6	NA	<0.27	<0.27	<0.29	<0.27	<0.28	0.26	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.27	<0.27	0.41	<0.27	1.2	1.2	<0.26	<0.27	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	1,000	5.6	NA	<0.27	<0.27	<0.29	<0.27	<0.28	<0.24	<0.26	<0.27	<0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1,000	4	NA	<0.27	<0.27	0.63	<0.27	1.1	1.9	0.83	0.29	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1,000	4	NA	<0.27	<0.27	1.1	<0.27	2.3	2.8	0.73	0.56	0.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (June 27, 2013)  
RES DEC-Residential Direct Exposure Criteria  
GA PMC- Pollutant Mobility Criteria in a GA groundwater area

NE- Not established  
NA- Not Applicable  
CT ETPH- Connecticut Department of Public Health Extractable Total Petroleum Hydrocarbons  
PAHs- Polycyclic Aromatic Hydrocarbons  
PCBs- Polychlorinated Biphenyls  
< xx indicates compound was not detected. Detection limit is provided.  
Boxed values indicate exceedances of RES DEC  
Bold values indicate exceedances of I/C DEC  
ND- None Detected  
PACM- Potential Asbestos Containing Material

<sup>1</sup>- Asbestos analysis of Bulk Materials via EPA 600/R-93/116 Method Using Polarized Light Microscopy at EMSL Analytical, Inc.  
<sup>2</sup>- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.

**TENNIS FACILITY**  
Summary of Soil Sample Analytical Data  
Fairfield, Connecticut  
Last Updated: 08/29/2019

Sample ID Sample Depth Sample Date Lab Sample ID	CT RSR Criteria		US EPA	PACM- TFS10	PACM- TFS11	PACM- TFS11A	PACM- TFS11B	PACM- TFS12	PACM- TFS12A	PACM- TFS13	PACM- TFS14	PACM- TFS15	PACM- TFS15A
	RES DEC	GA PMC		8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel	8/22/19 Solar Panel
<b>Asbestos in Material by PLM<sup>1</sup></b>	NA	NA	1%	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Asbestos PLM 198.1<sup>2</sup></b>													
% Amosite	NA	NA	NA	-	-	-	-	-	-	-	-	-	-
% Chrysotile	NA	NA	NA	-	-	-	-	-	-	-	-	-	-
% Other	NA	NA	NA	-	-	-	-	-	-	-	-	-	-
% Total Asbestos	NA	NA	1%	-	-	-	-	-	-	-	-	-	-
<b>Total Metals 6010D</b>													
Arsenic	10	NA	NA	-	-	-	-	-	-	-	-	-	-
Lead	400	NA	NA	-	-	-	-	-	-	-	-	-	-
<b>CTETPH 8015D (mg/Kg)</b>	500	500	NA	-	-	-	-	-	-	-	-	-	-
<b>PCBs SW8082A (mg/Kg)</b>													
PCB-1016	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1221	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1232	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1242	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1248	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1254	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1260	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1262	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
PCB-1268	NE	NA	NA	-	-	-	-	-	-	-	-	-	-
Total PCBs	1	NA	NA	-	-	-	-	-	-	-	-	-	-
<b>PAHs SW8270D (mg/Kg)</b>													
2-Methylnaphthalene	270	0.56	NA	-	-	-	-	-	-	-	-	-	-
Acenaphthene	1,000	8	NA	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1,000	8	NA	-	-	-	-	-	-	-	-	-	-
Anthracene	1,000	40	NA	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	1	1	NA	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1	1	NA	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	1	NA	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	8.4	1	NA	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	8.4	1	NA	-	-	-	-	-	-	-	-	-	-
Chrysene	84	1	NA	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	1	NA	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000	5.6	NA	-	-	-	-	-	-	-	-	-	-
Fluorene	1,000	5.6	NA	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	1	1	NA	-	-	-	-	-	-	-	-	-	-
Naphthalene	1,000	5.6	NA	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1,000	4	NA	-	-	-	-	-	-	-	-	-	-
Pyrene	1,000	4	NA	-	-	-	-	-	-	-	-	-	-

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ND- None Detected  
PACM- Potential Asbestos Containing Material  
1- Asbestos analysis of Bulk Materials via EPA 600/R-93/116 Method Using Polarized Light Microscopy at EMSL Analytical, Inc.  
2- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.