

TABLE 1
Agricultural Properties Shallow Soil PFA Sampling
Former Textiles Coated International, Inc. Facility
Amherst, New Hampshire
NHDES Site No. 201605022, DES Project No. 36782

44 Stearns Road				Boring ID		X-1				X-2				X-3				X-4				X-5			
				Sample Depth		0"-12"		12"-24"		0"-12"		12"-24"		0"-12"		12"-24"		0"-12"		12"-24"		0"-12"		12"-24"	
				Sample ID		X-1 0"-12"		X-1 12"-24"		X-2 0"-12"		X-2 12"-24"		X-3 0"-12"		X-3 12"-24"		X-4 0"-12"		X-4 12"-24"		X-5 0"-12"		X-5 12"-24"	
				Collection Date		9/9/16		9/9/16		9/12/16		9/12/16		9/13/16		9/13/16		9/12/16		9/12/16		9/12/16		9/12/16	
PFAS Name	Acronym	DCRB S-1 (ng/g)	LOQ (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)																				
Perfluorobutanesulfonate	PFBS	N/A	1.6	ND	0.52	ND	0.53	ND	0.69	ND	0.94	ND	0.55	ND	0.60	ND	0.57	ND	0.57	ND	0.54	ND	0.52		
Perfluorodecanoic acid	PFDA	N/A	0.4	ND	0.21	ND	0.21	ND	0.28	ND	0.37	ND	0.22	ND	0.24	ND	0.23	ND	0.23	ND	0.22	ND	0.21		
Perfluorododecanoic acid	PFDoA	N/A	0.8	ND	0.42	ND	0.42	ND	0.55	ND	0.75	ND	0.44	ND	0.48	ND	0.46	ND	0.46	ND	0.43	ND	0.42		
Perfluoroheptanoic acid	PFHpA	N/A	0.6	ND	0.31	ND	0.32	ND	0.41	ND	0.56	ND	0.33	ND	0.36	0.63 J	0.34	ND	0.34	ND	0.33	ND	0.31		
Perfluorohexanesulfonate	PFHxS	N/A	1.6	ND	0.52	ND	0.53	ND	0.69	ND	0.94	ND	0.55	ND	0.60	ND	0.57	ND	0.57	ND	0.54	ND	0.52		
Perfluorohexanoic acid	PFHxA	N/A	0.4	0.40 J	0.21	ND	0.21	0.47 J	0.28	ND	0.37	ND	0.22	0.48 J	0.24	0.75	0.23	ND	0.23	0.55	0.22	ND	0.21		
Perfluorononanoic acid	PFNA	N/A	0.4	ND	0.21	ND	0.21	ND	0.28	ND	0.37	ND	0.22	ND	0.24	ND	0.23	ND	0.23	ND	0.22	ND	0.21		
Perfluoro-octanesulfonate	PFOS	500	1.6	ND	0.73	ND	0.74	ND	0.96	ND	1.3	ND	0.77	ND	0.84	ND	0.80	ND	0.80	ND	0.76	ND	0.73		
Perfluorooctanoic acid	PFOA	500	0.6	1.3	0.31	0.58 J	0.32	1.4	0.41	0.85 J	0.56	0.90	0.33	1.0	0.36	4.6	0.34	0.44 J	0.34	1.4	0.33	ND	0.31		
Perfluorotetradecanoic acid	PFTA	N/A	0.8	ND	0.31	ND	0.32	ND	0.41	ND	0.56	ND	0.33	ND	0.36	ND	0.34	ND	0.34	0.42 J	0.33	ND	0.31		
Perfluorotridecanoic acid	PFTDA	N/A	1.2	ND	0.63	ND	0.63	ND	0.83	ND	1.1	ND	0.66	ND	0.72	ND	0.69	ND	0.69	ND	0.65	ND	0.63		
Perfluoroundecanoic acid	PFUnA	N/A	0.6	ND	0.31	ND	0.32	ND	0.41	ND	0.56	ND	0.33	ND	0.36	ND	0.34	ND	0.34	ND	0.33	ND	0.31		

5 Thornton Ferry Road II				Boring ID		Y-1				Y-2				Y-3			
				Sample Depth		0"-12"		12"-24"		0"-12"		12"-24"		0"-12"		12"-24"	
				Sample ID		Y-1 0"-12"		Y-1 12"-24"		Y-2 0"-12" [DUP_090816]		Y-2 12"-24"		Y-3 0"-12"		Y-3 12"-24"	
				Collection Date		9/8/16		9/8/16		9/8/16		9/8/16		9/8/16		9/8/16	
PFAS Name	Acronym	DCRB S-1 (ng/g)	LOQ (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)		
Perfluorobutanesulfonate	PFBS	N/A	1.6	ND	0.55	ND	0.58	ND [ND]	0.67 [0.70]	2.3 J	0.73	ND	0.58	ND	0.54		
Perfluorodecanoic acid	PFDA	N/A	0.4	ND	0.22	ND	0.23	ND [ND]	0.27 [0.28]	ND	0.29	ND	0.23	ND	0.22		
Perfluorododecanoic acid	PFDoA	N/A	0.8	ND	0.44	ND	0.46	ND [ND]	0.53 [0.56]	ND	0.58	ND	0.46	ND	0.43		
Perfluoroheptanoic acid	PFHpA	N/A	0.6	ND	0.33	ND	0.35	ND [ND]	0.40 [0.42]	ND	0.44	ND	0.35	ND	0.32		
Perfluorohexanesulfonate	PFHxS	N/A	1.6	ND	0.55	ND	0.58	ND [ND]	0.67 [0.70]	ND	0.73	ND	0.58	ND	0.54		
Perfluorohexanoic acid	PFHxA	N/A	0.4	ND	0.22	ND	0.23	ND [0.73]	0.27 [0.28]	ND	0.29	ND	0.23	0.37 J	0.22		
Perfluorononanoic acid	PFNA	N/A	0.4	ND	0.22	ND	0.23	ND [ND]	0.27 [0.28]	ND	0.29	ND	0.23	ND	0.22		
Perfluoro-octanesulfonate	PFOS	500	1.6	ND	0.77	ND	0.81	ND [ND]	0.93 [0.98]	ND	1.0	ND	0.81	ND	0.76		
Perfluorooctanoic acid	PFOA	500	0.6	0.54 J	0.33	1.0	0.35	1.6 [1.2]	0.40 [0.42]	1.6	0.44	ND	0.35	0.73	0.32		
Perfluorotetradecanoic acid	PFTA	N/A	0.8	ND	0.33	ND	0.35	ND [0.59 J]	0.40 [0.42]	ND	0.44	ND	0.35	ND	0.32		
Perfluorotridecanoic acid	PFTDA	N/A	1.2	ND	0.66	ND	0.69	ND [ND]	0.80 [0.84]	ND	0.87	ND	0.69	ND	0.65		
Perfluoroundecanoic acid	PFUnA	N/A	0.6	ND	0.33	ND	0.35	ND [ND]	0.40 [0.42]	ND	0.44	ND	0.35	ND	0.32		

402 Boston Post Road				Boring ID		Z-1				Z-2				Z-3				Z-4	
				Sample Depth		0"-12"		12"-24"		0"-12"		12"-24"		0"-12"		12"-24"		0"-12"	
				Sample ID		Z-1 0"-12"		Z-1 12"-24"		Z-2 0"-12"		Z-2 12"-24"		Z-3 0"-12"		Z-3 12"-24"		Z-4 0"-12"	
				Collection Date		9/9/16		9/9/16		9/9/16		9/9/16		9/9/16		9/9/16		9/8/16	
PFAS Name	Acronym	DCRB S-1 (ng/g)	LOQ (ng/g)	Dry Result (ng/g)	Dry MDL (ng/g)														
Perfluorobutanesulfonate	PFBS	N/A	1.6	ND	0.69	ND	0.73	ND	0.57	1.6 J	0.54	ND	0.64	ND	0.52				
Perfluorodecanoic acid	PFDA	N/A	0.4	ND	0.28	ND	0.29	ND	0.23	ND	0.22	ND	0.26	ND	0.21				
Perfluorododecanoic acid	PFDoA	N/A	0.8	ND	0.55	ND	0.59	ND	0.45	ND	0.44	ND	0.51	ND	0.42				
Perfluoroheptanoic acid	PFHpA	N/A	0.6	ND	0.41	ND	0.44	ND	0.34	ND	0.33	ND	0.39	ND	0.31				
Perfluorohexanesulfonate	PFHxS	N/A	1.6	ND	0.69	ND	0.73	ND	0.57	ND	0.54	ND	0.64	ND	0.52				
Perfluorohexanoic acid	PFHxA	N/A	0.4	0.46 J	0.28	0.48 J	0.29	0.42 J	0.23	ND	0.22	ND	0.26	ND	0.21				
Perfluorononanoic acid	PFNA	N/A	0.4	ND	0.28	ND	0.29	ND	0.23	ND	0.22	ND	0.26	ND	0.21				
Perfluoro-octanesulfonate	PFOS	500	1.6	ND	0.96	ND	1.0	ND	0.79	ND	0.76	ND	0.9	ND	0.73				
Perfluorooctanoic acid	PFOA	500	0.6	0.55 J	0.41	ND	0.44	0.87	0.34	0.53 J	0.33	0.52 J	0.39	1.3	0.41				
Perfluorotetradecanoic acid	PFTA	N/A	0.8	ND	0.41	ND	0.44	ND	0.34	ND	0.33	ND	0.39	ND	0.31				
Perfluorotridecanoic acid	PFTDA	N/A	1.2	ND	0.83	ND	0.88	ND	0.68	ND	0.65	ND	0.77	ND	0.63				
Perfluoroundecanoic acid	PFUnA	N/A	0.6	ND	0.41	ND	0.44	ND	0.34	ND	0.33	ND	0.39	ND	0.31				

Notes:
1. Samples were collected by GZA GeoEnvironmental (GZA) on the dates indicated above and analyzed for per- and poly-fluorinated alkyl substances (PFASs) following USEPA Method 537 Revision 1.1 modified by Eurofins Lancaster Laboratories, LLC.
2. Samples were generally collected with a hand auger from the depths indicated from three discrete soil borings. Soil collected from each boring at corresponding intervals was placed in a stainless steel bowl and homogenized with a stainless steel spoon prior to filling laboratory-provided containers with aliquots of the homogenized soil.

Abbreviations:
ng/g - nanograms per gram
MDL - Method Detection Limit
LOQ - Limit of Quantitation
ND indicates that analyte was not detected above the laboratory MDL.
J indicates result is an estimated value greater than or equal to the MDL but less than the LOQ.
Bold font indicates analyte was detected above the MDL.
[Bracket] results provide the results of field duplicate samples collected by GZA.
DCRB S-1 - The New Hampshire Department of Environmental Services (NHDES) Environmental Health Program (EHP) direct contact risk-based soil screening level concentration.
N/A - Not applicable

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- SOURCE**
- 1) THIS MAP CONTAINS THE ESRI ArcGIS ONLINE BING MAPS AERIAL LAYER PACKAGE, PUBLISHED DECEMBER 1, 2010 BY ESRI ARCSIMS SERVICES AND UPDATED MONTHLY. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS.
 - 2) SOIL TYPE DATA WAS OBTAINED FROM THE US DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE ONLINE SOIL SURVEY GEOGRAPHIC (SSURGO) DATABASE FOR HILLSBORO COUNTY, NEW HAMPSHIRE PUBLISHED ON DECEMBER 9, 2016.
 - 3) SAMPLE LOCATIONS WERE MARKED USING A GARMIN GPSMAP 60CSX UNIT AT THE TIME OF SAMPLE COLLECTION. POINTS ARE ACCURATE TO APPROXIMATELY 10 FEET.
 - 4) PROPERTY BOUNDARIES WERE OBTAINED FROM THE NASHUA REGIONAL PLANNING COMMISSION (NRPC) GIS PROGRAM, PUBLISHED ON FEBRUARY 3, 2016 AND OBTAINED ON JUNE 28, 2016.

- NOTES**
- 1) ALL LOCATIONS ARE CONSIDERED TO BE APPROXIMATE.
 - 2) SOIL SAMPLE LOCATIONS ARE THE APPROXIMATE CENTER LOCATION OF THE COMPOSITE SAMPLE AREA.

Legend

- SOIL SAMPLING LOCATION AND IDENTIFICATION
- AGRICULTURAL PROPERTY BOUNDARY
- WSS SOIL SURVEY SOIL TYPES

SCALE IN FEET

0 100 200 400

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**AGRICULTURAL SAMPLING LOCATIONS
FORMER TCI, INC. FACILITY
AMHERST, NH**

44 STEARNS ROAD

GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: TEXTILES COATED INTERNATIONAL, INC. MANCHESTER, NH	
PROJ MGR: DMT	REVIEWED BY: SRL	CHECKED BY: MAM	FIGURE 1
DESIGNED BY: KCM	DRAWN BY: KCM	SCALE: 1" = 200 FEET	
DATE: OCTOBER 2016	PROJECT NO: 04.0190503.02	REVISION NO: 0	1
			SHEET NO. 1 OF 1

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SOURCE

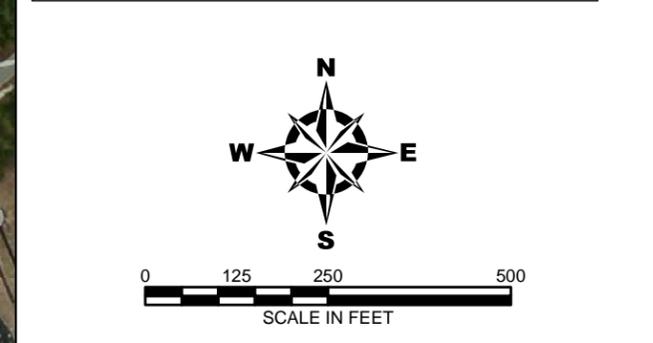
- 1) THIS MAP CONTAINS THE ESRI ArcGIS ONLINE BING MAPS AERIAL LAYER PACKAGE, PUBLISHED DECEMBER 1, 2010 BY ESRI UNIFORMS SERVICES AND UPDATED MONTHLY. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS.
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- 3) SAMPLE LOCATIONS WERE MARKED USING A GARMIN GPSMAP 60CSX UNIT AT THE TIME OF SAMPLE COLLECTION. POINTS ARE ACCURATE TO APPROXIMATELY 10 FEET.
- 4) PROPERTY BOUNDARIES WERE OBTAINED FROM THE NASHUA REGIONAL PLANNING COMMISSION (NRPC) GIS PROGRAM, PUBLISHED ON FEBRUARY 3, 2016 AND OBTAINED ON JUNE 28, 2016.

NOTES

- 1) ALL LOCATIONS ARE CONSIDERED TO BE APPROXIMATE.
- 2) SOIL SAMPLE LOCATIONS ARE THE APPROXIMATE CENTER LOCATION OF THE COMPOSITE SAMPLE AREA.

Legend

- Y-1
- SOIL SAMPLING LOCATION AND IDENTIFICATION
- AGRICULTURAL PROPERTY BOUNDARY
- Oc
- WSS SOIL SURVEY SOIL TYPES



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**AGRICULTURAL SAMPLING LOCATIONS
FORMER TCI, INC. FACILITY
AMHERST, NH**

**402 BOSTON POST ROAD AND
5 THORNTON FERRY ROAD II**

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: TEXTILES COATED INTERNATIONAL, INC. MANCHESTER, NH	
PROJ MGR: DMT	REVIEWED BY: SRL	CHECKED BY: MAM	FIGURE 2
DESIGNED BY: KCM	DRAWN BY: KCM	SCALE: 1" = 250 FEET	
DATE: OCTOBER 2016	PROJECT NO: 04.0190503.02	REVISION NO: 0	SHEET NO. 1 OF 1

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