



April 2, 2020

via email

BOROUGH OF MORRIS PLAINS PLANNING BOARD
531 Speedwell Avenue
Morris Plains, New Jersey 07950-0305

Attention: Mr. George Coogan
Board Chairman

**Regarding: ENVIRONMENTAL STATUS & PROPOSED REMEDIAL APPROACH
FORMER SHOP-RITE & GAMESTOP TENANCIES
BRIARCLIFF COMMONS
1711 ROUTE 10 EAST
BLOCK 161, LOT 1
MORRIS PLAINS, MORRIS COUNTY, NEW JERSEY (the "Property")
NJDEP SRP PI NO.: 166942
NJDEP SRP INCIDENT NO.: 00-02-28-1413-21
WHITESTONE PROJECT: EJ1815679.003**

Dear Mr. Coogan:

Whitestone Associates, Inc. (Whitestone) was asked to prepare this letter to summarize the environmental status and proposed remedial approach for the above-referenced Property. A historical release of tetrachloroethene (PCE) associated with the former operations of Milano French Cleaners (dry cleaners) impacted the subsurface beneath the dry cleaners and adjoining tenancies. Based on the findings of soil and groundwater investigations previously completed, Whitestone implemented soil remedial action (RA). Although Whitestone proposes supplemental soil RA to further remediate the soil to enable eventual implementation of a groundwater remedy, current soil conditions at the former Shop-Rite and GameStop tenancies do not pose a direct contact exposure risk to human health or the environment.

Environmental Investigation/Remediation Status

Whitestone completed soil and groundwater sampling in 2018 (Figure 1) (Table 1). Whitestone determined that PCE-impacted soil was present beneath the northern interior area of the former Shop-Rite tenancy and at exterior locations northeast of the former Shop-Rite at levels exceeding applicable NJDEP Impact to Groundwater (IGW) levels. Soil RA was implemented with completion of the soil RA satisfying a regulatory pre-condition to enable use of Monitored Natural Attenuation (MNA) combined with establishment of a Classification Exception Area/Well Restriction Area (CEA/WRA) to remediate exceedances of applicable NJDEP Groundwater Quality Standards.

From September 2019 to December 2019, Whitestone excavated and removed PCE-impacted soil from areas adjoining the former Shop-Rite and GameStop tenancies, including beneath the former dry cleaners. The September 2019 to December 2019 soil RA at exterior areas located between the former Shop-Rite and GameStop tenancies remediated two localized areas where PCE was detected in soil at levels

Other Office Locations:

CHALFONT, PA
215.712.2700

SOUTHBOROUGH, MA
508.485.0755

ROCKY HILL, CT
860.726.7889

WALL, NJ
732.592.2101

EVERGREEN, CO
303.670.6905

exceeding NJDEP's Residential Direct Contact Soil Remediation Standard (RDSCRS) for PCE. Whitestone concluded that the soil RA addressed a significant amount of PCE IGW soil exceedances and those remaining were low in magnitude and could be remediated in-place under regulatory oversight of Whitestone's Licensed Site Remediation Professional (LSRP) utilizing NJDEP's August 2018 *Capping of Volatile Contaminants for the Impact to Groundwater Pathway* technical guidance (Version 1.0) (NJDEP IGW Guidance), provided that a Deed Notice be established and engineering controls installed at the former GameStop tenancy.

Proposed Soil RA at Former Shop-Rite

Although the soil impacts could be addressed using NJDEP IGW Guidance, Whitestone understands that the existing concrete flooring in the northern interior area of the former Shop-Rite tenancy will be removed to allow the new tenant to install infrastructure, such as utilities, required for the tenant's operations. Whitestone proposes and estimates that approximately four to six weeks will be required to remove the concrete flooring, excavate and remove soil, backfill the excavation, and transport excavated material from the site to an approved off-site facility (this estimated timeframe does not include concrete floor restoration by the tenant, which Whitestone estimates may require two to three weeks to complete). Completion of the proposed additional soil RA will further address groundwater source material and further satisfy regulatory requirements to enable use of MNA combined with establishment of a CEA/WRA to remediate groundwater and be protective of human health and the environment.

Whitestone feels that no further actions are required to enable the owner to obtain a building permit from the Borough of Morris Plains for construction at the former Shop-Rite tenancy. Whitestone assumes that the presence of an intact building floor is the only requirement to enable the owner to obtain a Certificate of Occupancy (CO) from the Borough of Morris Plains, and this requirement will be satisfied once the tenant restores the concrete flooring following installation of subsurface infrastructure. Whitestone proposes that the owner prepares a Soil Management Plan (SMP) that outlines measures to be implemented for properly managing impacted material if encountered during construction at the former Shop-Rite tenancy.

Proposed Soil RA at Former GameStop

Noted exceedances were low in magnitude, and Whitestone determined that the exceedances could be remediated in-place under regulatory oversight of Whitestone's LSRP utilizing NJDEP's IGW Guidance. NJDEP's IGW Guidance states, in part, that sites utilizing in-place engineering controls to remediate VO IGW soil exceedances must undergo periodic groundwater sampling and analyses to document that concentrations of groundwater constituents associated with the IGW soil exceedances are decreasing over time. Implementation of in-place remediation of PCE will properly remediate the condition to enable use of MNA combined with establishment of a CEA/WRA to remediate groundwater and be protective of human health and the environment. Whitestone understands that RA in addition to the use of engineering and institutional controls will be implemented if periodic groundwater sampling and analyses document that concentrations of groundwater constituents associated with the VO IGW soil exceedances are not decreasing versus time.

Whitestone feels that no further actions are required to enable the owner to obtain a building permit from the Borough of Morris Plains for construction at the former GameStop tenancy. Whitestone assumes that the existing concrete flooring satisfies the requirement to enable the owner to obtain a CO from the

Borough of Morris Plains. A SMP exists for the former GameStop tenancy outlining the proper measures to be implemented if impacted material is encountered below the existing concrete flooring during construction. Portions of concrete flooring removed during construction will be restored following completion of the work to satisfy the requirement for the owner to obtain a CO from the Borough of Morris Plains.

We trust the foregoing satisfies your requirements at this time. If you have any questions regarding this matter, please do not hesitate to contact us.

Sincerely,

WHITESTONE ASSOCIATES, INC.



Kenneth J. Luperi, PG, LSRP
Associate



Christopher Seib, PG, LSRP
Principal, Environmental Services

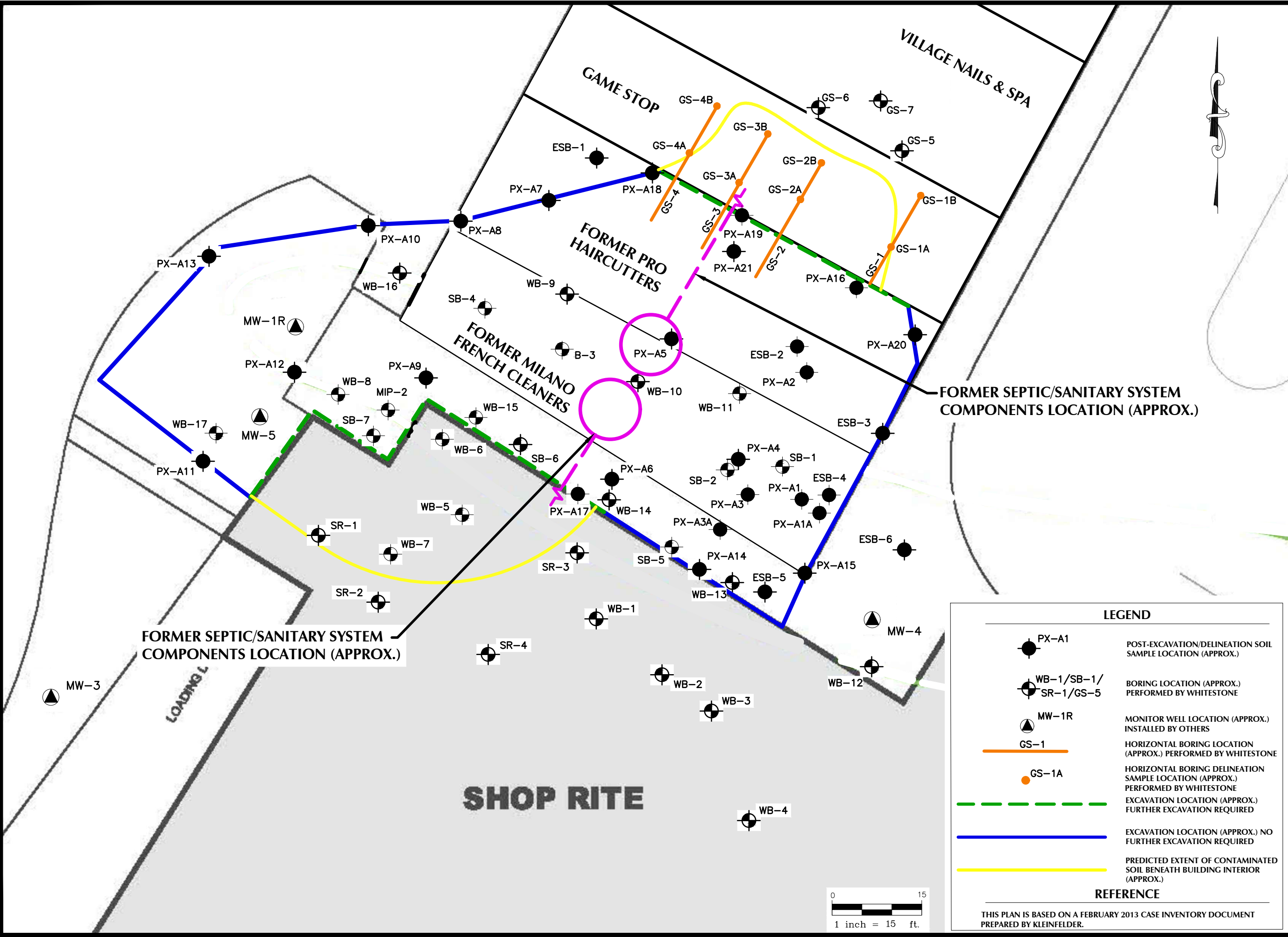
KJL/lc L:\Job Folders\2018\1815679EJ\Reports and Submittals\Former Shop-Rite-April2020\MorrisPlains_Shop-Rite_GameStop_Status_Ltr_Apr2020_KJL.docx

Enclosures

Copy: Judith D. Knop, P.E., Morris Plains Holding UE LLC
Patrick Tandy, Morris Plains Holding UE LLC
Anthony Salgado, Morris Plains Holding UE LLC
Andrew Perel, Esq., Troutman Sanders, LLP

FIGURE 1
Boring/Excavation Plan

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LEGEND

- PX-A1
POST-EXCAVATION/DELINEATION SOIL SAMPLE LOCATION (APPROX.)
- WB-1/SB-1/
SR-1/GS-5
BORING LOCATION (APPROX.) PERFORMED BY WHITESTONE
- MW-1R
MONITOR WELL LOCATION (APPROX.) INSTALLED BY OTHERS
- GS-1
HORIZONTAL BORING LOCATION (APPROX.) PERFORMED BY WHITESTONE
- GS-1A
HORIZONTAL BORING DELINEATION SAMPLE LOCATION (APPROX.) PERFORMED BY WHITESTONE
- EXCAVATION LOCATION (APPROX.) FURTHER EXCAVATION REQUIRED
- EXCAVATION LOCATION (APPROX.) NO FURTHER EXCAVATION REQUIRED
- PREDICTED EXTENT OF CONTAMINATED SOIL BENEATH BUILDING INTERIOR (APPROX.)

REFERENCE

THIS PLAN IS BASED ON A FEBRUARY 2013 CASE INVENTORY DOCUMENT PREPARED BY KLEINFELDER.

WHITESTONE ASSOCIATES, INC.
Environmental & Geotechnical Engineers & Consultants

30 INDEPENDENCE BOULEVARD, SUITE 250, WARREN, NJ 07059
908.668.7777 WHITESTONEASSOC.COM

DRAWING TITLE: BORING/EXCAVATION PLAN

CLIENT: MORRIS PLAINS HOLDING UE LLC

PROJECT: FORMER MILANO FRENCH CLEANERS
1711 ROUTE 10 EAST
MORRIS PLAINS, MORRIS COUNTY, NJ

PROJECT #: EJ1815679.003

DESIGNED BY: GR	PROJ. MGR.: KJL
DATE: 3/27/20	FIGURE: 1
SCALE: 1" = 15'	

TABLE 1
Soil Sampling & Analyses Data
Summary

**TABLE 1
SOIL SAMPLING & ANALYSES DATA SUMMARY**

Morris Plains Holdings UE, LLC

1711 Route 10 East

Morris Plains, Morris County, New Jersey

ANALYTE	WHITESTONE ASSOCIATES, INC.		SAMPLE ID:	GS-6D	GS-7A	GS-7B	ESB-1	ESB-2	ESB-3	ESB-4	ESB-5	ESB-6	SR-1A	SR-1B	
	RSRS	NRSRS	LAB ID:	AD14900-011	AD14900-012	AD14900-013	AD12996-001	AD12996-002	AD12996-003	AD12996-004	AD12996-005	AD12996-006	AD14900-001	AD14900-002	
			COLLECTION DATE:	12/27/2019	12/27/2019	12/27/2019	9/17/2019	9/17/2019	9/17/2019	9/17/2019	9/17/2019	9/17/2019	9/17/2019	12/27/2019	12/27/2019
			SAMPLE DEPTH:	9.5 to 10.0	4.5 to 5.0	7.5 to 8.0	7.0 to 7.5	7.5 to 8.0	7.0 to 7.5	7.0 to 7.5	7.0 to 7.5	7.0 to 7.5	7.0 to 7.5	5.0 to 5.5	7.5 to 8.0
			SAMPLE MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
			IGWSSL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	Result Flg RL	
VOLATILE ORGANICS (VO)															
Total VO TICs	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	160,000	NA	0.3	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,1,2,2-Tetrachloroethane	1	3	0.007	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,1,2-Trichloroethane	2	6	0.02	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,1-Dichloroethane	8	24	0.2	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,1-Dichloroethene	11	150	0.008	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,2,3-Trichlorobenzene	NA	NA	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,2,4-Trichlorobenzene	73	820	0.7	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,2,4-Trimethylbenzene	NA	NA	NA	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
1,2-Dibromo-3-chloropropane	0.008	0.2	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,2-Dibromoethane	0.008	0.04	0.005	ND	0.00095	ND	0.00096	ND	0.00082	ND	0.0010	ND	0.00079	ND	
1,2-Dichlorobenzene	5,300	59,000	17	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,2-Dichloroethane	0.9	3	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,2-Dichloropropane	2	5	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,3-Dichlorobenzene	5,300	59,000	19	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,4-Dichlorobenzene	5	13	2	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
1,4-Dioxane	NA	NA	NA	ND	0.12	ND	0.12	ND	0.11	ND	0.13	ND	0.10	ND	
2-Butanone	3,100	44,000	0.9	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
2-Hexanone	NA	NA	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
4-Methyl-2-pentanone	NA	NA	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Acetone	70,000	NA	19	ND	0.012	ND	0.012	ND	0.011	ND	0.013	ND	0.010	ND	
Benzene	2	5	0.005	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
Bromochloromethane	NA	NA	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Bromodichloromethane	1	3	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Bromoform	81	280	0.03	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Bromomethane	25	59	0.04	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Carbon disulfide	7,800	110,000	6	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Carbon tetrachloride	2	4	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Chlorobenzene	510	7,400	0.6	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Chloroethane	220	1,100	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Chloroform	0.6	2	0.4	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Chloromethane	4	12	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
cis-1,2-Dichloroethene	230	560	0.3	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
cis-1,3-Dichloropropene	2	7	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Cyclohexane	NA	NA	NA	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
Dibromochloromethane	3	8	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Dichlorodifluoromethane	490	230,000	39	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Ethylbenzene	7,800	110,000	13	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
Isopropylbenzene	NA	NA	NA	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
m&p-Xylenes	12,000	170,000	19	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
Methyl Acetate	78,000	NA	22	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Methylcyclohexane	NA	NA	NA	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Methylene chloride	46	230	0.01	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Methyl-t-butyl ether	110	320	0.2	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
o-Xylene	12,000	170,000	19	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
Styrene	90	260	3	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Tetrachloroethene	43	1,500	0.005 (0.039)	0.017	0.0024	ND	0.0025	0.017	0.0021	0.0042	0.0027	0.15	0.0020	0.021	
Toluene	6,300	91,000	7	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
trans-1,2-Dichloroethene	300	720	0.6	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
trans-1,3-Dichloropropene	2	7	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Trichloroethene	3	10	0.01 (0.018)	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Trichlorofluoromethane	23,000	340,000	34	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Vinyl chloride	0.7	2	0.005	ND	0.0024	ND	0.0025	ND	0.0021	ND	0.0027	ND	0.0020	ND	
Xylenes (Total)	12,000	170,000	19	ND	0.0012	ND	0.0012	ND	0.0011	ND	0.0013	ND	0.0010	ND	
OTHER PARAMETERS															
% Solids	NA	NA	NA	85	87	87	80	87	81	86	88	83	81	91	

Notes:
 Shaded and bold value indicates an exceedence of the NJDEP most-stringent SSL/SRS
 All results reported in parts per million (ppm) or mg/Kg
 Sample depths reported in feet below ground surface (fbs)
 RSRS - NJDEP Residential Direct Contact Soil Remediation Standard - exceedences highlighted in yellow
 NRSRS - NJDEP Nonresidential Direct Contact Soil Remediation Standard - exceedences highlighted in red
 IGWSSL - NJDEP Default Impact to Groundwater Soil Screening Level - exceedences highlighted in blue
 IGWSRS - NJDEP Site-Specific Impact to Groundwater Soil Remediation Standard - exceedences highlighted in blue
 Flg - Data Qualifier
 RL - Laboratory Reporting Limit
 ND - Not Detected exceeding RL
 NA - No Applicable NJDEP SSL/SRS
 TICs - Tentatively Identified Compounds
 J - Detected at an estimated concentration
 * - IGWSRS not applicable because sample collected in saturated zone
 (#) - Indicates IGWSRS calculated using NJDEP's Synthetic Precipitation Leaching Procedure (SPLP) methodology
 ** - Equivalent vertical depth shown for angled soil borings

**TABLE 1
SOIL SAMPLING & ANALYSES DATA SUMMARY**

Morris Plains Holdings UE, LLC

1711 Route 10 East

Morris Plains, Morris County, New Jersey

ANALYTE	WHITESTONE ASSOCIATES, INC.		SAMPLE ID:	SR-2A	SR-2B	SR-2C	SR-4A	SR-4B	WB-1	WB-2	WB-3	WB-4	WB-5	WB-5A
	RSRS	NRSRS	LAB ID:	AD14900-003	AD14900-004	AD14900-005	AD14900-006	AD14900-007	AD05543-001	AD05543-002	AD05543-003	AD05543-004	AD05543-005	AD05543-006
	IGWSSL	IGWSSL	COLLECTION DATE:	12/27/2019	12/27/2019	12/27/2019	12/27/2019	12/27/2019	7/19/2018	7/19/2018	7/19/2018	7/19/2018	7/19/2018	7/19/2018
	SOIL	SOIL	SAMPLE DEPTH:	1.5 to 2.0	4.0 to 4.5	11.0 to 11.5	4.5 to 5.0	7.5 to 8.0	16.0 to 16.5	17.0 to 17.5	18.5 to 19.0	17.0 to 17.5	7.0 to 7.5	11.0 to 11.5
IGWSSL	IGWSSL	SAMPLE MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Result	Result	Result	Flg	RL	Flg	RL	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOLATILE ORGANICS (VO)														
Total VO TICs	NA	NA	NA	ND	0.11	J	ND	0.056	J	0.0035	J	ND	0.004	J
1,1,1-Trichloroethane	160,000	NA	0.3	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,1,2,2-Tetrachloroethane	1	3	0.007	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,1,2-Trichloroethane	2	6	0.02	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,1-Dichloroethane	8	24	0.2	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,1-Dichloroethene	11	150	0.008	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,2,3-Trichlorobenzene	NA	NA	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,2,4-Trichlorobenzene	73	820	0.7	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,2,4-Trimethylbenzene	NA	NA	NA	ND	0.0013	0.0079	0.0012	ND	0.0011	ND	0.0010	0.0033	0.0012	~
1,2-Dibromo-3-chloropropane	0.08	0.2	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,2-Dibromoethane	0.008	0.04	0.005	ND	0.0010	ND	0.00094	ND	0.00088	ND	0.00078	ND	0.00091	ND
1,2-Dichlorobenzene	5,300	59,000	17	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,2-Dichloroethane	0.9	3	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,2-Dichloropropane	2	5	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,3-Dichlorobenzene	5,300	59,000	19	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,4-Dichlorobenzene	5	13	2	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
1,4-Dioxane	NA	NA	NA	ND	0.13	ND	0.12	ND	0.11	ND	0.10	ND	0.099	ND
2-Butanone	3,100	44,000	0.9	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
2-Hexanone	NA	NA	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
4-Methyl-2-pentanone	NA	NA	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Acetone	70,000	NA	19	ND	0.013	ND	0.012	ND	0.011	ND	0.010	ND	0.0099	ND
Benzene	2	5	0.005	ND	0.0013	ND	0.0012	ND	0.0011	ND	0.0010	ND	0.00099	ND
Bromochloromethane	NA	NA	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Bromodichloromethane	1	3	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Bromoform	81	280	0.03	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Bromomethane	25	59	0.04	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Carbon disulfide	7,800	110,000	6	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Carbon tetrachloride	2	4	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Chlorobenzene	510	7,400	0.6	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Chloroethane	220	1,100	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Chloroform	0.6	2	0.4	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Chloromethane	4	12	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
cis-1,2-Dichloroethene	230	560	0.3	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
cis-1,3-Dichloropropene	2	7	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Cyclohexane	NA	NA	NA	ND	0.0013	ND	0.0012	ND	0.0011	ND	0.0010	ND	0.00099	ND
Dibromochloromethane	3	8	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Dichlorodifluoromethane	490	230,000	39	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Ethylbenzene	7,800	110,000	13	ND	0.0013	0.0053	0.0012	ND	0.0011	ND	0.0010	ND	0.00099	ND
Isopropylbenzene	NA	NA	NA	ND	0.0013	ND	0.0012	ND	0.0011	ND	0.0010	ND	0.00099	ND
m&p-Xylenes	12,000	170,000	19	ND	0.0013	0.020	0.0012	ND	0.0011	ND	0.0010	0.0023	0.0012	ND
Methyl Acetate	78,000	NA	22	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Methylcyclohexane	NA	NA	NA	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Methylene chloride	46	230	0.01	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Methyl-t-butyl ether	110	320	0.2	ND	0.0013	ND	0.0012	ND	0.0011	ND	0.0010	ND	0.00099	ND
o-Xylene	12,000	170,000	19	ND	0.0013	0.0098	0.0012	ND	0.0011	ND	0.0010	0.0013	0.0012	ND
Styrene	90	260	3	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Tetrachloroethene	43	1,500	0.005 (0.039)	ND	0.0026	0.011	0.0024	ND	0.0023	0.0098	0.0020	0.011	0.0023	0.14*
Toluene	6,300	91,000	7	ND	0.0013	ND	0.0012	ND	0.0011	ND	0.0010	ND	0.00099	ND
trans-1,2-Dichloroethene	300	720	0.6	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
trans-1,3-Dichloropropene	2	7	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Trichloroethene	3	10	0.01 (0.018)	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Trichlorofluoromethane	23,000	340,000	34	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Vinyl chloride	0.7	2	0.005	ND	0.0026	ND	0.0024	ND	0.0023	ND	0.0020	ND	0.0019	ND
Xylenes (Total)	12,000	170,000	19	ND	0.0013	0.030	0.0012	ND	0.0011	ND	0.0010	0.0036	0.0012	ND
OTHER PARAMETERS														
% Solids	NA	NA	NA	94	85	89	86	93	91	91	87	86	87	85

Notes:
 Shaded and bold value indicates an exceedence of the NJDEP most-stringent SSL/SRS
 All results reported in parts per million (ppm) or mg/Kg
 Sample depths reported in feet below ground surface (fbs)
 RSRS - NJDEP Residential Direct Contact Soil Remediation Standard - exceedences highlighted in yellow
 NRSRS - NJDEP Nonresidential Direct Contact Soil Remediation Standard - exceedences highlighted in red
 IGWSSL - NJDEP Default Impact to Groundwater Soil Screening Level - exceedences highlighted in blue
 IGWSRS - NJDEP Site-Specific Impact to Groundwater Soil Remediation Standard - exceedences highlighted in blue
 Flg - Data Qualifier
 RL - Laboratory Reporting Limit
 ND - Not Detected exceeding RL
 NA - No Applicable NJDEP SSL/SRS
 TICs - Tentatively Identified Compounds
 J - Detected at an estimated concentration
 * - IGWSRS not applicable because sample collected in saturated zone
 (#) - Indicates IGWSRS calculated using NJDEP's Synthetic Precipitation Leaching Procedure (SPLP) methodology
 ** - Equivalent vertical depth shown for angled soil borings

