WCD GROUP

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PERIODIC REVIEW REPORT

Parkview Commons Site

871 Elton Avenue

(formerly known as 436 East 161st Street)

Borough of Bronx, New York

NYSDEC BCP Site: C203014

February 1, 2019

WCD File: LB03027.72

Environmental & Construction Risk Management

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PERIODIC REVIEW REPORT

February 1, 2019

WCD File: LB03027.72

Prepared By:

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Prepared For:

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The undersigned has reviewed this Annual Site Management Report and certifies to BX Parkview Associates, LLC and to the New York State Department of Environmental Conservation (NYSDEC) that the information provided in this document is accurate as of the date of issuance by this office.

The undersigned is a Qualified Environmental Professional (QEP) as defined by 6 NYCRR Part 375-1.2 (ak) and supporting documents. The undersigned possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of the site or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified in NYSDEC guidance document DER-10.

James Blaney, CHMM February 1, 2019

Qualified Environmental Professional Date Signature

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1.0 INTRODUCTION

1.1 Purpose

This Periodic Review Report (Report) details on-going site management activities at the Parkview Commons Site ("Site"), which entered the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) in May 2004 (BCP ID: C203014). The Site is located at 871 Elton Avenue (formerly known as 436 East 161st Street), Borough of Bronx, New York City, New York.

1.2 Site Description

The Site is an irregularly shaped 0.67-acre parcel with 150 feet of frontage on the southern side of East 161st Street, 164 feet of frontage on the western side of Elton Avenue, and 200 feet of frontage on the northern side of East 160th Street. The Site contains a nine-story, mixed-use (residential and commercial) structure. A Site Location Map and a Selected Site Features Map are included in Appendix A, Figures 1 and 2 respectively.

2.0 BACKGROUND

2.1 Site History

A Phase I Environmental Site Assessment (ESA) was prepared by Ecosystems Strategies (ESI) in May 2003. This ESA indicated that the northeastern portion of the Site contained a gasoline filling station and automotive repair garage from 1951 until at least 1979, which was later demolished in 2004. Several single-family residences, mixed residential and commercial structures, and multi-family residences were present from the late 1800s until the late 1990s. The Site was re-developed with the current building in 2005/2006.

2.2 Prior Investigations and Remediation Activities

2.2.1 Prior Investigations

A Phase II Environmental Site Assessment and Draft Remedial Action Workplan (issued by ESI in October 2004) documented the advancement of soil borings, excavation of test pits, and the results of a geophysical survey. Low-level petroleum contamination was identified in the vicinity of multiple underground storage tanks (USTs) and spill number 0407340 was reported to NYSDEC. A Tank Closure Site Assessment and Spill Closure Report (TCSA; issued by ESI in January 2005) documented the removal of ten 550-gallon USTs from the Site. Based on an absence of significant residual petroleum contamination in endpoint samples, and the likely future development scenario (which included the building footprint as a proposed cap), the spill file was closed on January 26, 2005.

A Remedial Investigation Report and Remedial Action Workplan (RIR/RAWP; issued by ESI in February 2005) identified elevated levels of polycyclic aromatic hydrocarbons (PAHs) in test pits

excavated in the southwestern portion of the Site (consistent with previous characterizations of on-site fill material). Soil vapor samples collected throughout the Site indicated the presence of elevated levels of volatile organic compounds (VOCs), including gasoline related compounds and chlorinated solvents.

2.2.2 Remediation Activities

On-site remediation was conducted between April 2005 and January 2006 in accordance with the NYSDEC-approved RAWP issued by ESI in February 2005. The following activities were conducted as part of the implementation of the NYSDEC approved RIR/RAWP:

- Excavation and off-site disposal of contaminated soils, including soils containing chlorinated pesticides. Post-excavation sampling documented levels of pesticides below Part 375 Soil Cleanup Objectives (SCOs), with the exception of one sample located along 160th Street, which represented soils that are at or under the roadway.
- Excavation and off-site disposal of fill material, including regulated waste based on elevated concentrations of PAHs and metals. Soils with elevated PAHs and metals remain under the building and parking area.
- Installation of a barrier layer consisting of certified clean soil and pavement. A demarcation layer, consisting of black, porous filter fabric, was installed under the imported soil. An asphalt barrier was installed on the southwestern portion of the Site (see Figure 2, Appendix A).
- Installation and testing of a vapor extraction system (VES) for the building, consisting of an active sub-slab depressurization system (SSDS) beneath the building connected to rooftop fans[1]. Air quality testing from the rooftop discharge points confirmed that low levels of VOCs were accumulating under the slab and being vented above the roofline.
- Installation of monitoring wells to document on-going groundwater quality.

Completed remedial activities and response actions are documented in the Final Engineering Report of Remedial Services (FER; issued by ESI in February 2006 [revised March 2006]). A Site Management Plan (SMP; issued by ESI in October 2006) was developed for long-term management of remaining contamination. Engineering Controls (ECs) and Institutional Controls (ICs) are described in Sections 2.3 and 2.4, respectively.

1 The building was constructed with perforated 4" PVC piping under the foundation connected to three roof-top fans, to intercept sub-slab vapors and prevent potential migration of petroleum vapors into the structure. Although more properly described as a SSDS (since effluent is not treated), the SMP designates this feature as a "sub-slab vapor extraction system" (VES); for the purpose of this Report, therefore, the system will continue to be described as a VES consistent with the SMP terminology.

2.3 Engineering Controls (ECs)

ECs have been put into place in order to manage contamination remaining at the Site after remedial activities. These ECs consist of a sub-slab VES and a barrier layer, and formerly included groundwater monitoring wells.

2.3.1 Groundwater Monitoring

Groundwater monitoring was conducted at the Site between November 2006 and November 2008. NYSDEC approved the closure of on-site wells on December 17, 2008 due to the absence of field evidence of contamination and significant dissolved contamination in groundwater. ESI closed these monitoring wells on February 16, 2009 in accordance with the NYSDEC's Groundwater Monitoring Well Decommissioning Procedure. Historical data documenting groundwater quality are provided as Appendix B.

2.3.2 Sub-slab Vapor Extraction System and Barrier Layer

A barrier layer, which consists of asphalt parking area, impervious concrete sidewalks/walkways, concrete building slab, and imported clean soil cover, was installed to prevent contact with remaining subsurface soils. The VES and the barrier layer are inspected annually in accordance with the SMP. [Note: System repairs (installation of new monitoring points and a fan) were performed in 2016 following a NYSDEC-approved Corrective Measures Work Plan (CMWP), which included modification of existing reporting requirements by site personnel.]

Quarterly Inspection of the Vapor Extraction System and Barrier Layer

Quarterly inspections of the VES and barrier layer have been instituted at the Site per the request of the NYSDEC and have been performed since August 31, 2009. The building manager and WCD personnel conducted inspections during this reporting period every month from January through October and again in December 2018 (see Appendix C for completed Inspection/Monitoring Checklists and bi-weekly U-manometer readings).

Annual Inspection of the Vapor Extraction System and Barrier Layer

WCD conducted the annual inspection of the VES and barrier layer on December 20, 2018. This inspection included the visual observation of the VES (fans and associated piping) and barrier layer (building slab, sidewalks, parking and landscaped areas), and the collection of vacuum measurements from vapor extraction monitoring points (VEMPs) and U-manometers.

All fans were observed to be operational during the site inspection.

During the December 20, 2018 inspection, the seal on an abandoned monitoring point (VEMP-1) was observed to be in poor condition and appeared to influence the digital manometer readings at VEMP-1R. VEMP-1R was replaced and VEMP-1 was re-sealed on January 30, 2019 by personnel from Core Down Drilling under the direction of WCD. VEMP-3R was also replaced at this time at the request of the building manager (VEMP-3R was situated in such a way that it

created a tripping hazard for building occupants). Table A (below) reports vacuum measurements collected at VEMPs during the December 20, 2018 and January 30, 2019 inspections. Figure 3 in Appendix A depicts the location of the VEMPs.

Table A: Sub-Slab Monitoring Points Vacuum Measurements

All measurements are indicated in inches of water column (in. w.c.).

Monitoring Points	Location in Building	Vacuum Measurement
VEMP-1R	Northwest	-0.033
VEMP-2	Northeast	-0.011
VEMP-3R	Southwest	-0.1025
VEMP-4	Southeast	-0.133

Vacuum readings of the U-manometers located at VP-1, VP-2 and VP-3 were recorded as -1.1 in w.c., -1.9 in w.c. and -1.3 in w.c., respectively. Data from the U-manometers and the VEMPs indicates that the VES is working properly.

The barrier layer was observed to be free from significant damage during the annual site inspection. Site inspection photographs are presented in Appendix D.

2.4 Institutional Controls (ICs)

ICs at the Site include: prohibition of vegetable gardens, groundwater treatment (if the groundwater is planned for use), performance of groundwater monitoring in accordance with the approved SMP, and notification to the NYSDEC if changes in Site use are proposed.

The Site was observed to be a mixed-use (commercial and residential property) during the annual inspection. Groundwater is not in use at the Site at this time and no gardens are present. The institutional controls continue to be implemented, with the exception of groundwater monitoring, which was discontinued with the approval of NYSDEC (see Section 2.3.1, above), and are effective for protecting human health and the environment.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Visual inspection of the VES and barrier layer confirm that the engineering controls at the Site are working properly. Manometer readings indicate that sufficient vacuum exists under the concrete slab and that the VES is functioning adequately.

The services summarized in this Report were conducted in accordance with the approved NYSDEC Brownfields Program SMP, and are considered by WCD to satisfy the requirements set forth in the SMP. The next report will be submitted in February 2020.

APPENDIX A

Figures

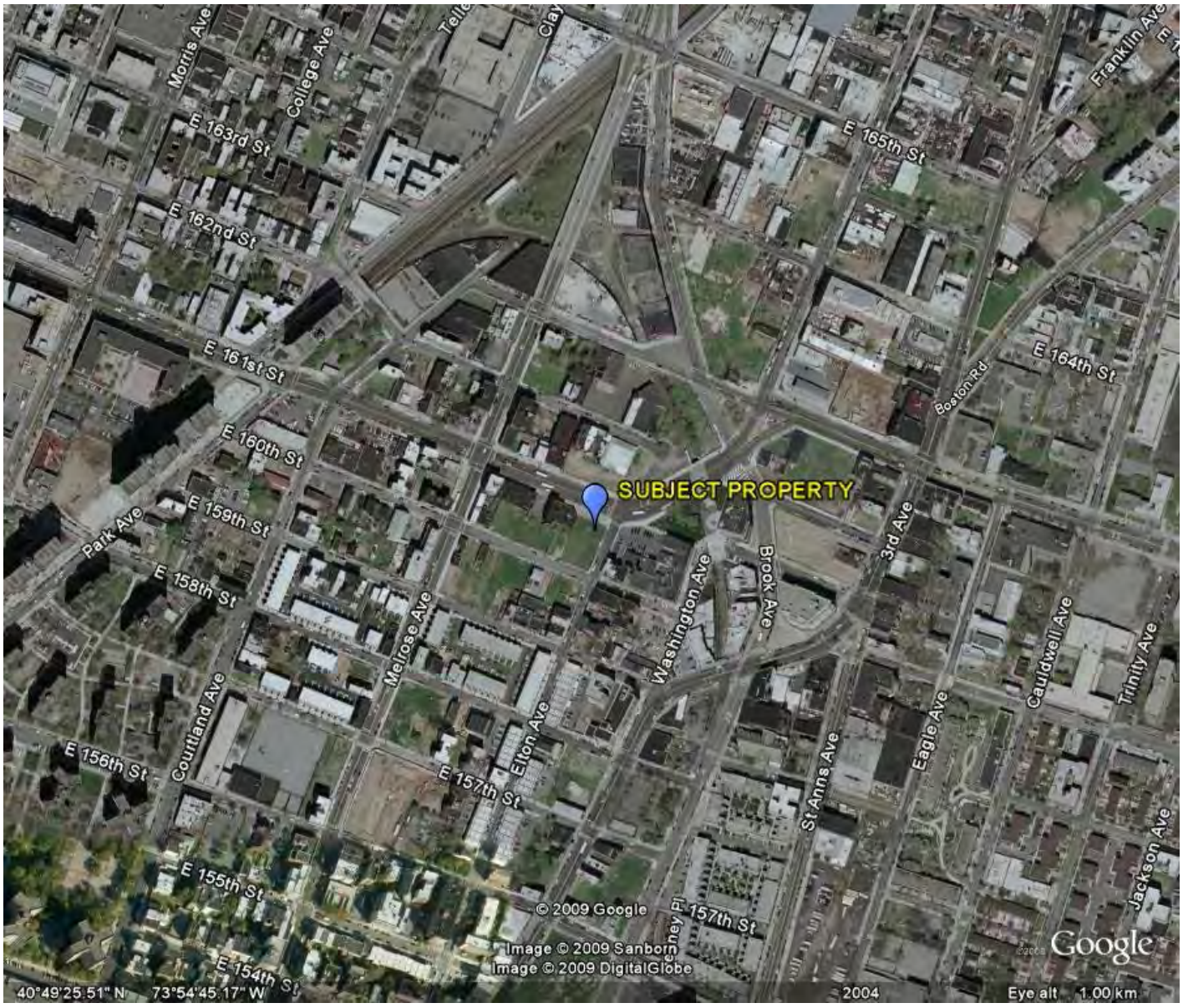

Figure 1: Site Location Map Parkview Commons Site 871 Elton Avenue Borough of Bronx Bronx County, New York	N	File: LB03027.70 February 2019 Appendix A

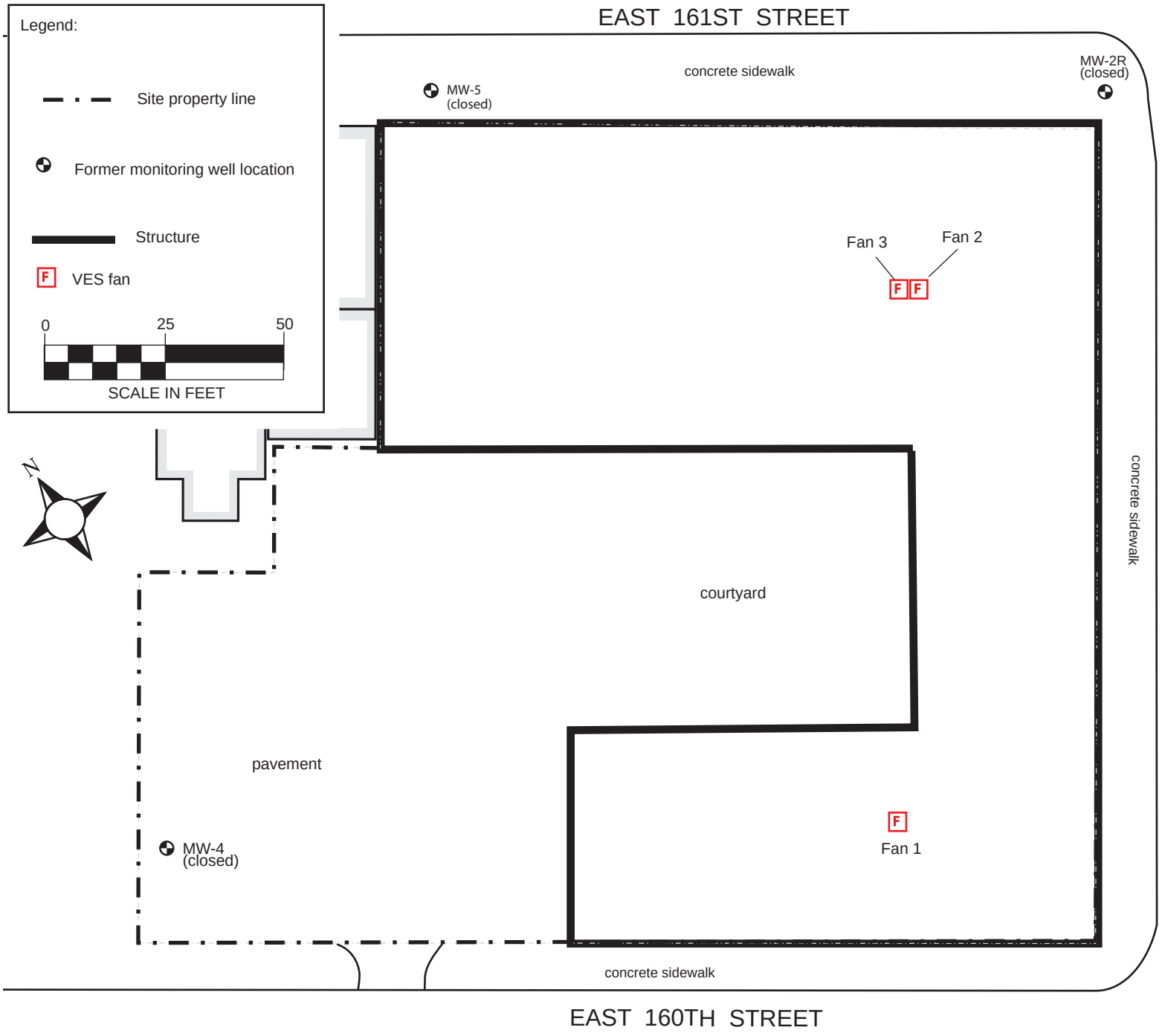

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Figure 2: Selected Site Features Map

Parkview Commons Site
located at
871 Elton Avenue
Borough of Bronx
Bronx County, New York

File: LB03027.70

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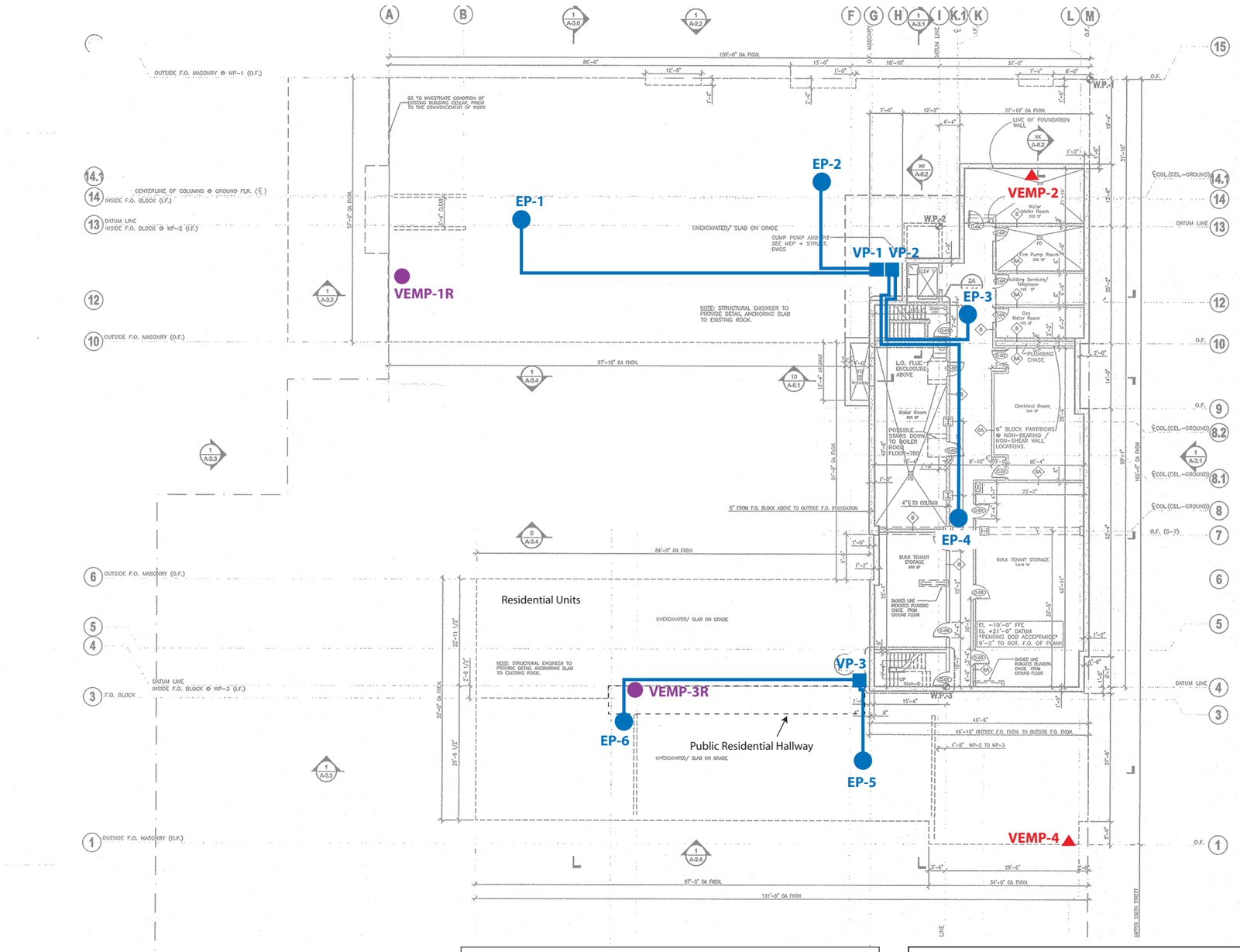
Appendix A



Legend:

- Extraction point (EP)
- Vertical pipes (VP)
- Vapor extraction monitoring point (VEMP)
- Connecting pipes
- Replacement vapor extraction monitoring points (VEMPs)

Note: To be used to install vapor extraction monitoring points only. For all other details, use other applicable drawings.
Source: Map based on Magnusson Architecture & Planning PC - Cellar Construction Plan Drawing #A-1.1

Figure 3: VES Monitoring Point Locations

Parkview Commons Site
871 Elton Avenue
Borough of Bronx
Bronx County, New York

File: LB03027.72

Not to scale

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APPENDIX B

Data Summary Tables

Table 1: VOCs in Water

All results provided in μg/L. Results in **bold** exceed designated guidance levels.

Compound (USEPA Method 8260)	Guidance Level	Sample Identification																							
		MW-2R								MW-4								MW-5							
		11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08
1,1,1,2-Tetrachloroethane	**5**	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
1,1,1-Trichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trifluoroethane	**5**	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
1,2-Dibromo-3-Chloropropane	**0.04**	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
1,1-Dichloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
1,2,3-Trichlorobenzene	**5**	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND
1,2,3-Trichloropropane	**0.04**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,2,3-Trimethylbenzene	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
1,2,4-Trichlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA
1,2,4-Trimethylbenzene	**5**	ND	ND	NA	ND	ND	0.27 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	**0.04**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,2-Dibromoethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,2-Dichloroethylene (total)	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
1,2-Dichloropropane	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Chlorohexane	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
2,2-Dichloropropane	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
2-Butanone (MEK)	**NA**	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	ND
2-Chlorotoluene	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
2-Hexanone	**50**	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
4-Chlorotoluene	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	**NA**	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Acetone	**50**	NA	NA	3 J	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
Bromochloromethane	**5**	ND	ND	NA	NA	NA	ND	NA	NA	ND	ND	NA	NA	NA	ND	NA	NA	ND	ND	NA	NA	NA	ND	NA	NA
Bromodichloromethane	**50**	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND
Bromoform	**50**	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND
Bromomethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	**NA**	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	0.65 J	ND	ND	NA	NA	ND	ND	ND	0.25 J	ND	ND
Carbon tetrachloride	**5**	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	**7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	ND	0.94J	ND	ND	ND	ND	ND	ND	ND	1.4J
Chloromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1J
Cis-1,2-Dichloroethane	**5**	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA	ND	NA	NA	NA	NA	ND
Cis-1,3-Dichloropropylene	**0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**NA**	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Dibromochloromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
Dichlorodifluoromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**5**	ND	ND	ND	ND	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	**0.5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
Isopropylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Acetate	**NA**	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Methylcyclohexane	**NA**	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	NA	ND	NA
Methyl tert-butyl ether (MTBE)	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**10**	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	NA
n-Butylbenzene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
o-Xylene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
p-&m-Xylenes	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Xylenes, Total	**NA**	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
p-Isopropyltoluene	**5**	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA
sec-Butylbenzene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Styrene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Tetrachloroethylene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72	1.47J	ND	1.1J	0.74J	0.69 J	ND	ND
Toluene	**5**	ND	ND	ND	ND	0.20J	ND	ND	ND	ND	ND	ND	ND	0.18J	ND	ND	ND	ND	ND	ND	ND	0.23J	ND	ND	ND
trans-1,2-Dichloroethane	**5**	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
trans-1,3-Dichloropropylene	**0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	**5**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	1.30J	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Trichlorofluoromethane	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	**2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Guidance levels based on NYSDEC Division of Water TOGS 1.1.1
J = estimated concentration
NA = Not Available ND = Not Detected

Table 2: SVOCs in Water

All results provided in μg/L. Results in **bold** exceed designated guidance levels.

Compound		Sample Identification																									
		MW-2R								MW-4								MW-5									
(USEPA Method 8270)	Guidance level	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08
1,1'-Biphenyl	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2,4,5-Trichlorophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2,4,6-Trichlorophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2,4-Dichlorophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2,4-Dimethylphenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2,4-Dinitrophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2-Methylnaphthalene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND
3 3-Dichlorobenzidine	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
4-Bromophenyl phenyl ether	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-chlor-3-methylphenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
1 2 4-Trichlorobenzene	NA	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA
1 2-Dichlorobenzene	3	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA
1 3-Dichlorobenzene	3	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA
1 4-Dichlorobenzene	3	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	NA	NA
2 2-oxybis (1-chloropropane)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Atrazine	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Benzaldehyde	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Bis(2-chloroethoxy)methane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Carbazole	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitroso-di-n-propylamine	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	NA	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND	NA	NA	ND	NA	NA	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Guidance levels based on NYSDEC Division of Water TOGS 1.1.1
NA= Not Available ND = Not Detected

Table 3: Target Analyte List (TAL) Metals in Water

All results provided in µg/L. Results in **bold** exceed designated guidance levels.

		Sample Identification																							
	Guidance	MW-2R								MW-4								MW-5							
TAL METAL	Level	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08	11/06	2/07	5/07	10/07	1/08	4/08	7/08	10/08
Aluminum	**100**	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND
Antimony	**3**	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND
Arsenic	**25**	ND	4.2 J	2.8	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND
Barium	**1,000**	54	54	410	60	62	58	43	55	52.7	56	46	44	36	38	55	39	48.9	55	61	50	55	51	5.5	46
Beryllium	**3**	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND	ND	ND	ND
Cadmium	**5**	ND	ND	0.50	ND	ND	ND	ND	ND	ND	ND	0.50	ND	ND	ND	ND	ND	ND	ND	0.50	ND	ND	ND	ND	ND
Calcium	**NE**	**115,000**	**115,001**	**778,000**	**144,000**	**146,000**	**137,000**	**118,000**	**123,000**	**208,000**	**133,000**	**214,000**	**147,000**	**149,000**	**173,000**	**126,000**	**133,000**	**101,000**	**131,000**	**143,000**	**120,000**	**120,000**	**117,000**	**24,800**	**90,000**
Chromium	**50**	ND	ND	0.80	ND	ND	ND	ND	ND	2.7	ND	2.1	ND	ND	ND	ND	ND	5.3	ND	0.80	ND	ND	ND	ND	ND
Cobalt	**5**	2.2	2.4 J	3.3	3.0J	ND	ND	ND	ND	1.1	2.0 J	1.7	ND	ND	ND	1.5	ND	ND	ND	3.2	ND	ND	ND	ND	ND
Copper	**200**	ND	ND	1.8	ND	ND	ND	ND	3.0 J	5.7	ND	2.8	ND	ND	ND	ND	3.9 J	ND	ND	1.8	ND	ND	ND	7.1	7.0 J
Iron	**300***	65.9	ND	29	92	ND	53 J	ND	ND	64	ND	29	ND	ND	ND	ND	ND	44.3	44.3	29	ND	ND	ND	120	ND
Lead	**25**	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND
Magnesium	**35,000**	**64,000**	**62,600**	**487,000**	**73,600**	**74,800**	**70,800**	**43,400**	**64,200**	**39,600**	**52,800**	**44,500**	**37,200**	34,800	**36,300**	**61,600**	32,800	**38,800**	**52,000**	**77,600**	**46,300**	**46,200**	**44,400**	17,800	30,600
Manganese	**300***	**1,820**	**1,700**	250	**2,200**	**1,700**	**1,700**	ND	**1,800**	2.6	1.7 J	2.2	7.2J	ND	ND	**1,800**	ND	3.0	ND	**2,100**	ND	ND	ND	38	ND
Mercury	**0.7**	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	**100**	6.8	5.9 J	15	5.5J	4.8J	5.5 J	ND	5.1 J	2.4	3.6 J	2.7	ND	ND	ND	3.9	2.2 J	1.7	3.3 J	6.7	ND	2.1 J	2.2 J	5.0	1.6 J
Potassium	**NE**	39,200	37,301	44,300	38,700	38,700	37400	9,600	36,500	14,000	9,500	12,900	14,100	11,000	11,900	38,400	15,200	8,110	9,300	39,300	9,300	9,400	9600	19,200	11,400
Selenium	**10**	ND	8.5 J	6.9	ND	ND	ND	4.7	ND	ND	**13 J**	**11**	**11J**	ND	ND	ND	3.3 J	ND	**16 J**	4.0	ND	ND	ND	ND	ND
Silver	**50**	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	0.40	ND	ND	ND	ND	ND
Sodium	**20,000**	**119,000**	**105,001**	**312,000**	**111,000**	**111,000**	**105,000**	**46,500**	**95,900**	**54,300**	**64,900**	**52,500**	**79,500**	**45,100**	**50,300**	**95,900**	**76,100**	**91,600**	**91,600**	**112,000**	**73,300**	**74,700**	**84,300**	**114,000**	**60,600**
Thallium	**0.5**	ND	**21 J**	**6.6**	ND	ND	ND	ND	ND	ND	**17 J**	**5.0**	ND	ND	ND	ND	ND	ND	**11 J**	**5.7**	ND	ND	ND	ND	ND
Vanadium	**14**	ND	ND	0.80	ND	ND	ND	ND	ND	ND	ND	0.80	ND	ND	ND	ND	ND	ND	ND	0.80	ND	ND	ND	ND	ND
Zinc	**2,000**	ND	ND	9.5	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND	ND	31	ND

Notes:

Guidance levels based on NYSDEC Division of Water TOGS 1.1.1

J = estimated concentration

ND = Not Detected NE = Not Established * = Guidance level for total of iron and manganese is 500

APPENDIX C

Checklists and Logs

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			☑		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	☒				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	☒				
Fan #1 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Fan#2 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Fan#3 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Barrier Layer - asphalt parking areas	Is asphalt intact?		☒			
	Substantial cracks?	☒				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		☒			
	Substantial cracks?	☒				
Barrier layer - landscaped area	Any subsidence?	☒				
	Substantial cracks?	☒				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

Graciela Florimon
Name of Inspector (Print)

12/29/2017
Date of Inspection

Signature of Inspector

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			☑		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	☒				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	☒				
Fan #1 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Fan#2 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Fan#3 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Barrier Layer - asphalt parking areas	Is asphalt intact?		☒			
	Substantial cracks?	☒				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		☒			
	Substantial cracks?	☒				
Barrier layer - landscaped area	Any subsidence?	☒				
	Substantial cracks?	☒				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

Graciela Florimon
Name of Inspector (Print)

1/31/2018
Date of Inspection

Signature of Inspector

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			☑		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	☒				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	☒				
Fan #1 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Fan#2 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Fan#3 (See attached map for fan location)	Operational?		☒			
	Physical Damage?	☒				
	Excessive Noise?	☒				
Barrier Layer - asphalt parking areas	Is asphalt intact?		☒			
	Substantial cracks?	☒				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		☒			
	Substantial cracks?	☒				
Barrier layer - landscaped area	Any subsidence?	☒				
	Substantial cracks?	☒				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

Graciela Florimon
Name of Inspector (Print)

Signature of Inspector

2/26/2018
Date of Inspection

Ecosystems Strategies, Inc.

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				
Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.						

GRACIELA FLORIMON
Name of Inspector

3/20/2018
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

4/23/2018
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✓				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✓				
Fan #1 (See attached map for fan location)	Operational?		✓			
	Physical Damage?	✓				
	Excessive Noise?	✓				
Fan#2 (See attached map for fan location)	Operational?		✓			
	Physical Damage?	✓				
	Excessive Noise?	✓				
Fan#3 (See attached map for fan location)	Operational?		✓			
	Physical Damage?	✓				
	Excessive Noise?	✓				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✓			
	Substantial cracks?	✓				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✓			
	Substantial cracks?	✓				
Barrier layer - landscaped area	Any subsidence?	✓				
	Substantial cracks?	✓				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

5/23/2018
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

6/31/18
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

7/18/2018
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

8/20/2018
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

9/20/2018
Date of Inspection

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✠				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✠				
Fan #1 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#2 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Fan#3 (See attached map for fan location)	Operational?		✠			
	Physical Damage?	✠				
	Excessive Noise?	✠				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✠			
	Substantial cracks?	✠				
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✠			
	Substantial cracks?	✠				
Barrier layer - landscaped area	Any subsidence?	✠				
	Substantial cracks?	✠				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

GRACIELA FLORIMON
Name of Inspector

10/24/2018
Date of Inspection

WCD GROUP

Vapor Extraction System and Barrier Layer Inspection/Monitoring Checklist
BCP Site C203014
Parkview Commons Site

Vapor Extraction System Component	Condition	No	Yes	N/A	Describe Deficiency	Describe Corrective Action
HVAC System	Operational and maintained?			✓		See Note 1 Below
Building Floor Slab	Holes, cracks or other physical deficiencies?	✓				
Riser Pipes (above roofline)	Holes, cracks, or other physical deficiencies?	✓				
Fan #1 (See attached map for fan location)	Operational?		✓			
	Physical Damage?	✓				
	Excessive Noise?	✓				
Fan#2 (See attached map for fan location)	Operational?		✓			
	Physical Damage?	✓				
	Excessive Noise?	✓				
Fan#3 (See attached map for fan location)	Operational?		✓			
	Physical Damage?	✓				
	Excessive Noise?	✓				
Barrier Layer - asphalt parking areas	Is asphalt intact?		✓			
	Substantial cracks?	✓			minor cracks, unlikely to be significant	
Barrier Layer - sidewalk/walkways (on-site only)	Are sidewalks intact?		✓			
	Substantial cracks?	✓			minor cracks, unlikely to be significant	
Barrier layer - landscaped area	Any subsidence?	✓				
	Substantial cracks?	✓				

Note 1: Each residential unit has its own HVAC system. These units have no effect on the Site's VES.

Claire Siegrist
Name of Inspector (Print)

Signature of Inspector

12/20/2018
Date of Inspection

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
12/15/2017	Graciela Florimon		1	0.75	2	
12/29/2017	Graciela Florimon		1.01	0.5	2	

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
1/9/2018	Graciela Florimon		1	0.5	2	
1/23/2018	Graciela Florimon		1	0.75	2	

Ecosystems Strategies, Inc.

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
2/9/2018	Graciela Florimon		1	0.75	2	
2/23/2018	Graciela Florimon		1	0.5	2	

Ecosystems Strategies, Inc.

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
3/12/2018	Graciela Florimon		1	0.75	1.75	
3/20/2018	Graciela Florimon		1	0.75	2	

Ecosystems Strategies, Inc.

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
4/9/2018	Graciela Florimon		1	0.75	2	
4/23/2018	Graciela Florimon		1	0.75	1.75	

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
5/10/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	
5/23/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
6/6/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	
6/21/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	replaced unit

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
7/5/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	Replaced unit
7/18/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
8/8/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	replaced unit
8/20/2018	Graciela Florimon		2 1/4	1 1/4	2	

Ecosystems Strategies, Inc.

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
9/6/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	
9/20/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	

Ecosystems Strategies, Inc.

U-manometer Readings Log Sheet

Site Name: Parkview Commons Site
NYSDEC BCP Site No.: C203014

Instructions:

1) Record U-manometer biweekly (i.e. every other week) readings as described in the instructions adjacent to each U-manometer.
2) The liquid level on the side of the tubing connected to the pipe should be higher than the side of the tubing exposed to the air.
3) If you have questions on how to read the manometer please contact Ecosystems Strategies Inc. (ESI) at (845)452-1658.
4) **If the liquid level is NOT higher on the side of the tubing exposed to the air, contact ESI within 48 hours.**

Date	Inspector Name	Inspector Signature	U-manometer Readings (inches of water column)			Additional Notes
			VP-1 (Refuse Room)	VP-2 (Refuse Room)	VP-3 (Roof Top)	
10/10/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	
10/24/2018	Graciela Florimon		2 1/4	1 1/4	2 1/4	

APPENDIX D

Annual Site Inspection Photographs

1. **Paved parking barrier layer, western portion of Site**

2. **Courtyard barrier layer, central portion of Site**

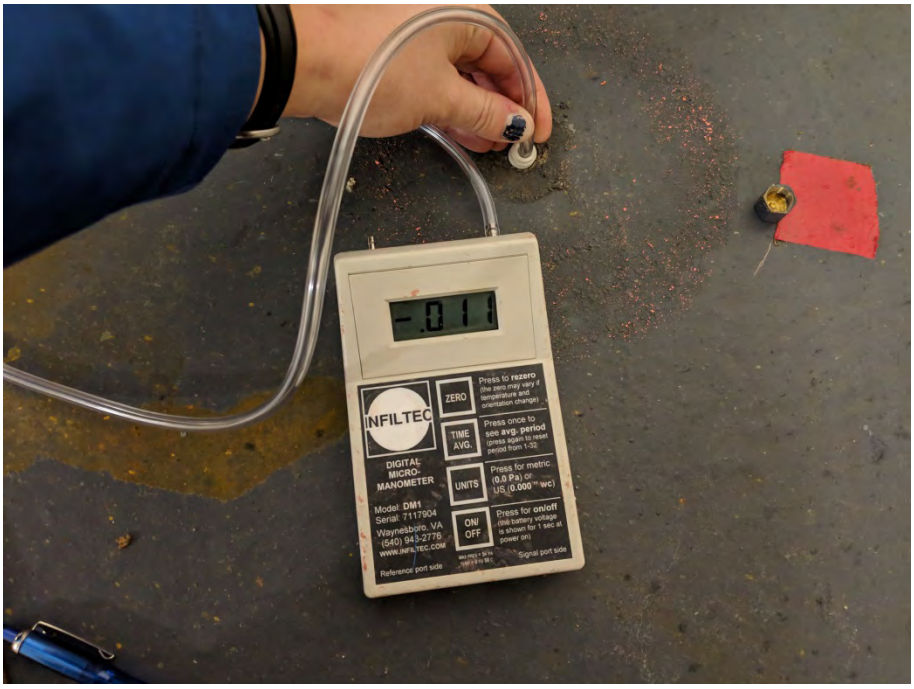
3. U-manometers corresponding to VP-1 (left) and VP-2 (right), both displaying negative pressure readings

4. VES fans connected to VP-1 and VP-2, located on roof

5. U-manometer corresponding to VP-3, displaying a negative pressure reading

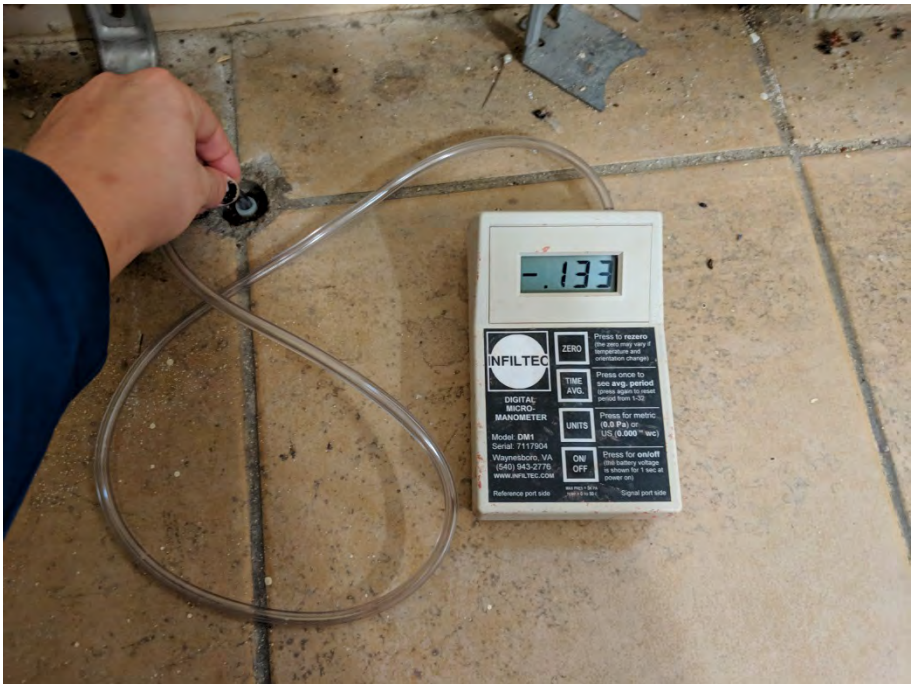
6. VES fan connected to VP-3, located on roof

7. Negative pressure reading at VEMP-1R (northwestern portion of building)



8. Negative pressure reading at VEMP-2 (northeastern portion of building)

9. Negative pressure reading at VEMP-3R (southwestern portion of building)



10. Negative pressure reading at VEMP-4 (southeastern portion of building)

APPENDIX E

EC/IC Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C203014

Site Name Parkview Commons

Site Address: 871 Elton Avenue Zip Code: 10451
City/Town: Bronx
County: Bronx
Site Acreage: 0.670

Reporting Period: January 03, 2018 to January 03, 2019

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C203014 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
9-2382-16	BX Parkview Associates, LLC	Soil Management Plan Landuse Restriction Ground Water Use Restriction

Engineering Control Components:

On-site environmental monitoring devices (groundwater monitor wells) will be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC approved Groundwater Monitoring Plan. The purpose of groundwater monitoring wells is to facilitate documentation of changes in groundwater quality that may have a material effect on site usage.

All future soil disturbance activities, including building renovation/expansion, subgrade utility line repair/relocation, and new construction must be conducted in accordance with the NYSDEC approved Soil Management Plan to ensure contaminated media will be properly maintained.

Sub-slab soil vapor extraction (VES) system will be operated and maintained in a manner specified in the NYSDEC-approved Operation and Maintenance Plan. Annual inspection and reporting, including operational and monitoring data, will be performed in a manner specified in the NYSDEC-approved Site Management Plan. The purpose of the active VES system is to intercept vapors containing petroleum hydrocarbons that may accumulate under the building.

The barrier layer consisting of the asphalt in the parking area, impervious sidewalks/walkways, the soil cover in the courtyard area, and the building structures, must be maintained in accordance with the NYSDEC-approved Operation and Maintenance Plan. The purpose of the barrier layer is to provide sufficient distance between known contaminated soil and future users of the property. Description of physical components of engineering controls are included on the Environmental Remediation Map.

Institution Control Components:

- Vegetable gardens are prohibited;
- The use of the groundwater underlying the Site is prohibited without treatment rendering it safe for intended purpose;
- Groundwater and other environmental or public health monitoring, and reporting of information thus obtained, will be performed in a manner specified in the NYSDECapproved Site Management Plan;
- If there is a proposed change of use, the NYSDEC will be notified;

Box 4

Description of Engineering Controls

Parcel	Engineering Control
9-2382-16	Vapor Mitigation Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C203014

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I James Blaney (WCD Group) at 1350 Broadway, Suite 1904, New York, NY 10018,
print name print business address

am certifying as designated representative (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

CHMM 2/1/19

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I James Blaney (WCD Group) at 1350 Broadway, Suite 1904, New York, NY 10018,
print name print business address

am certifying as a Qualified Environmental Professional for the owner
(Owner or Remedial Party)

CHMM

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		2/1/19