Building 700 (Formerly 330D)
Crepini Phase 2 Expansion
Pre-Construction Soil Sampling and
CAMP Summary Report

at

iPark 84
Former IBM East Fishkill Facility
2070 State Route 52
Hopewell Junction, New York 12533

February 2021

Prepared for:

Jessica LaClair
New York State Dept. of Environmental Conservation
Dept. of Environmental Remediation
625 Broadway
Albany, New York 12233-7013

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
Industry Leader in Environmental Engineering Consulting
PROACTIVE SOLUTIONS SINCE 1995

WALDEN ENVIRONMENTAL ENGINEERING

Sent via email to jess.laclair@dec.ny.gov

February 17, 2021
iPARK0118.54

Ms. Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84
Former IBM East Fishkill Facility
Building 700 (Formerly 330D)
Crepini Phase 2 Expansion Pre-Construction Soil Sampling and CAMP Summary Report

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) is submitting this Pre-Construction Activities Summary and CAMP Report on behalf of iPark East Fishkill LLC (iPark), the owner of Building 700 (Formerly 330D) at the iPark 84 Former IBM East Fishkill Facility located in Hopewell Junction, New York. The site location map is shown on **Figure 1**.

As detailed in the revised 60-day notification submitted to NYSDEC on November 5, 2020 (presented in **Appendix A**), Crepini is expanding its operations by leasing approximately 56,500 sq ft of additional space in Building 700 (330D); the area of the Phase 2 Crepini expansion is located between the spaces occupied by HES Industries (directly south of the existing Crepini space) and IBM [southern portion of Building 700 (330D)] as shown on **Figure 2**.

A pre-construction sampling investigation was conducted on February 4, 2021 to evaluate contaminant levels in the soil beneath the building slab prior to proceeding with test pit excavation in support of the plumbing design as outlined in the NYSDEC-approved "*Crepini Phase 2 Expansion Activities Work Plan (updated)*" (Work Plan) prepared by Walden and associated email correspondence dated January 29, 2021. The Work Plan and supporting email correspondence is included in **Appendix B**. A general description of the pre-construction sub-

slab soil sampling work performed is presented below and photographs taken during the work are presented in **Appendix C**.

Pre-Construction Activities

Air Sampling and Building Evaluation

Prior to the installation of the soil probes, background indoor air quality sampling was performed throughout the accessible portions of the first and second floors of within Building 700 (330D). As of the date of this report, the first floor is occupied by Crepini, HES, and IBM. The second floor is occupied by Star Call Center and Greystone. The HVAC systems in the building were operating during the February 4, 2021 pre-construction sampling activities in Crepini Phase 2 expansion space. All doors at the periphery of the work area were shut to isolate the work space, and plastic sheeting was hung to separate the work area from the adjacent Building 710 (330 Link) area to the east. This background sampling and building evaluation were used to determine the locations of the two (2) CAMP stations for the pre-construction sampling activities discussed below. The site map is presented on **Figure 1**. The locations of stations CAMP-1 and CAMP-2 are presented on **Figure 3.**

Soil Sampling

On February 4, 2021, pre-construction soil sampling was conducted at six (6) locations (TP-1, TP-1A, TP-2, TP-3, TP-4, and TP-6 as shown on **Figure 3**) within the vicinity of the potential test pits that will be excavated to support the future plumbing design within Crepini's expansion space. The sampling was performed to evaluate contaminant levels in the soil and to characterize exposure risks.

Prior to breaching the concrete slab, a Ground Penetrating Radar (GPR) survey was performed by Delta Geophysics to clear all of the sampling locations. No anomalies were detected during Delta's mark out. All sub-slab utilities encountered in the vicinity of the work area were marked out with spray paint. Existing mark outs were observed on the concrete slab in preparation for future trenching work to be performed in the space.

The pre-construction samples were collected from the general locations shown in the NYSDEC-approved Work Plan (dated January 2021). Refer to **Figure 3** for the sampling locations. Direct push drilling technology was utilized to install the soil probes. The drilling equipment featured a macrocore that was utilized to retrieve soils to nine (9) feet below the slab, one foot below the proposed depth of excavation for the test pits. Refusal was encountered at 4' below grade surface (bgs) at TP-1A. Therefore, an additional probe was installed at TP-1, where the boring was

advanced to 8'bgs before encountering refusal. Soil descriptions, photoionization detector (PID) measurements and observations were logged in a project dedicated field book by Walden field staff.

Two (2) soil samples were collected from each location. The soil intervals exhibiting the greatest visual or olfactory evidence of contamination (odors/staining) and/or the highest PID screening concentration were collected for analysis. Where screening and observations showed no evidence of contamination, a sample was collected from the 3-4 ft and 8-9 ft intervals below the slab. Excess soils removed from each core location were placed back in their respective boreholes and each hole was sealed with hydraulic cement flush with the floor. No evidence of bedrock or the groundwater table was encountered during the soil sampling. The following table summarizes the samples collected for laboratory analysis. Walden requested that the laboratory analyze the samples from TP-1, TP-2, and TP-3, while holding the TP-4 and TP-6 samples for potential future analysis should the previous test pit locations prove unsuitable for use.

Sample Identification	PID Reading (ppm)
TP-1 (0-1')	0.6
TP-1 (7-8')	0.3
TP-2 (0-1')	4.0
TP-2 (2-3')	2.8
TP-3 (0-1')	0.7
TP-3 (5-6')	0.4
TP-4 (0-1')	6.9
TP-4 (8-9')	0.5
TP-6 (3-4')	0.0
TP-6 (8-9')	0.0

Soil samples were labeled with the Site name, Walden job number, sample location and identification, date, time, sampler's initials, and the parameter(s) for analysis. The samples were transported to the laboratory in such a manner as to avoid container damage during transportation and to minimize the possibility of cross-contamination. The samples were delivered via courier under the appropriate Chain-of-Custody protocol.

Sample Analysis and Reporting

The soil samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT, a NYSDOH ELAP certified laboratory, for analysis. The sub-slab soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260.

Sub-Slab Soil Sampling Results

Walden reviewed the pre-construction investigation results and compared them to standards and guidance established by NYSDEC and NYSDOH. **Table 1** summarizes the sub-slab soil sample VOC results, respectively. Copies of the laboratory analytical reports are attached as **Appendix D**.

The laboratory analytical data for the sub-slab soil samples were compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs) for various categories ranging from unrestricted to residential and commercial use, as shown in **Table 1**.

- All of the detected VOC concentrations were less than unrestricted use SCOs with the exception of acetone in TP-2 (0-1). The acetone concentration in this sample was well below the residential use SCO.
- In addition to acetone, naphthalene, tetrachloroethene, tetrahydrofuran, toluene, and trichloroethene were detected in TP-2 (0-1) at concentrations less than the respective unrestricted use SCOs.
- Tetrachloroethene and acetone were also detected in TP-01 (0-1), TP-01 (7-8), TP-2 (2-3) and TP-3 (0-1) at concentrations less than the respective unrestricted use SCOs.

Special Requirements CAMP Air Monitoring

CAMP air monitoring was performed during the sampling activities on February 4, 2021. The two (2) CAMP air monitoring stations (CAMP Station #1 [between Columns AX-28 and AY-28] and CAMP Station #2 [located near the Column BD-33]) were set up at the locations shown on **Figure 3**.

VOC concentrations were monitored using Mini Rae 3000 Photo-ionization detectors (PIDs) and particulate concentrations were monitored using TSI DustTrak 8530 units. The instruments were zeroed and/or calibrated at the beginning of the work day. Each CAMP air monitoring station consisted of a PID and a dust meter to record VOCs and dust concentrations representative of the breathing zone during the work day. In addition, Walden manually recorded the VOC and dust

concentration readings at each monitoring station approximately every fifteen (15) minutes during the work day to ensure implementation of appropriate actions as needed based on the action levels presented in the CAMP.

The CAMP air monitoring log for February 4, 2021 is included in **Appendix E**. The PID and DustTrak data files are included in **Appendix F** (for CAMP Station #1) and **Appendix G** (for CAMP Station #2). Please note that there were technical issues with CAMP data loggers during data collection. Specifically, the PID in CAMP #1 was unable to be charged and the battery died during the course of the work. Therefore, a backup PID was used to monitor conditions in the immediate vicinity of the work area from approximately 1:15 pm until 3:30 pm. All recorded VOC concentrations were below the 5 ppm CAMP action level at both monitoring stations for the duration of the work. All recorded dust concentrations at both CAMP Stations were below the 150 micrograms per cubic meter CAMP action level with the exception of CAMP #1 during the first 15 minutes of work, when dust was generated from core drilling activities. Water suppression was immediately applied and the core drill was substituted for a hammer drill. No further exceedances were noted.

During the sampling activities, Walden completed several walk-throughs of the adjacent tenant spaces to the extent feasible, including the second-floor tenant areas above the Crepini Phase 2 Expansion space with the Dust Trak and PID, and confirmed that the VOC and dust concentrations were acceptable in accordance with the special requirements CAMP. Walden completed end of day readings as well as an additional walkthrough of the first and second floor building spaces to confirm acceptable VOC and dust concentrations outside the work area.

No visible dust or unpleasant odors were noted during the sampling activities. No impacts to air quality in the building were indicated by the CAMP data.

Conclusions

The laboratory analytical results for the pre-construction sub-slab soil samples are summarized and compared to the NYCRR Part 375-6.8(b) industrial use Soil Cleanup Objectives (SCOs) in the **Table 1**. The laboratory report is presented in **Appendix D**. None of the soil sampling results exceeded unrestricted use SCOs with the exception of the acetone concentration in one sample, which met the residential use SCO. Based on the analytical results, no threat to worker/tenant health or the environment would be posed by excavating the proposed test pits within the Crepini expansion space.

The special requirements CAMP monitoring results collected verify that no air impacts associated with VOCs or dust were observed within or outside the work area throughout the duration of the intrusive activities associated with the soil sampling conducted on February 4, 2021.

Walden will inform NYSDEC and NYSDOH if evidence of impacted soil is observed (based on CAMP and HASP air monitoring and visual/olfactory evidence) during the test pit excavation and trenching work to be performed for the Crepini Phase 2 expansion plumbing installation. Soil removed during the test pit excavation, and trenching, floor drain and lift station installation work will be stockpiled on plastic and covered with plastic in the work area. One (1) soil sample will be collected from the stockpile and submitted to an ELAP-certified laboratory for VOCs via EPA Method 8260, Semi Volatile Organic Compounds (SVOCs) via EPA Method 8270, and Metals via EPA Method 6010C. The soil analytical results will be compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs) to ensure that it is suitable for use in backfilling the trenches/test pit/lift station excavation or future re-use on-site. The lab results will be submitted to NYSDEC and NYSDOH for review and approval of the appropriate soil management based on the data. Any soils that do not meet the SCOs for industrial use will be properly disposed of off-site.

The test pit excavation work is tentatively scheduled to be conducted next week, pending State approval. We respectfully request that NYSDEC and NYSDOH prioritize review of this report and authorize the intrusive work to proceed in accordance with the approved Work Plan and associated HASP and special requirements CAMP. At this time, iPark plans to excavate a test pit to evaluate conditions first at TP-1, and then move on to TP-3 followed by TP-2 if necessary, to identify a suitable location for the sanitary lift station.

Prior to construction, the following work will be performed as noted in the Work Plan:

- iPark will coordinate with IBM to collect a sub-slab vapor sample from the SSDS vapor monitoring port (SS4016) closest to these proposed test pit locations prior to construction to evaluate VOC concentrations in this area. This vapor sample will be collected using a 6-liter Summa® canister over an 8-hour period and analyzed for VOC analytes via modified Method TO-15 in accordance with previously approved procedures.
- iPark will coordinate with IBM to record pre-construction pressure readings at the vapor monitoring ports in the Crepini Phase 2 expansion space. These readings will be compared to the pressure measurements recorded by Sanborn Head on September 29, 2020 to ensure, before construction begins, that the system continues to effectively depressurize the slab throughout the building.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
VP/Senior Project Manager

cc: J. Kenney, NYSDOH
C. Monheit, iPark East Fishkill LLC
D. Vitija, iPark East Fishkill LLC
D. Chartrand, IBM

Attachments

Figures
Figure 1 – Site Plan
Figure 2 – Building 700 (330D) First Floor Tenant Spaces
Figure 3 – Pre-Construction Soil Sampling and CAMP Air Monitoring Locations

Tables
Table 1- Summary of Soil Sampling Results – VOCs

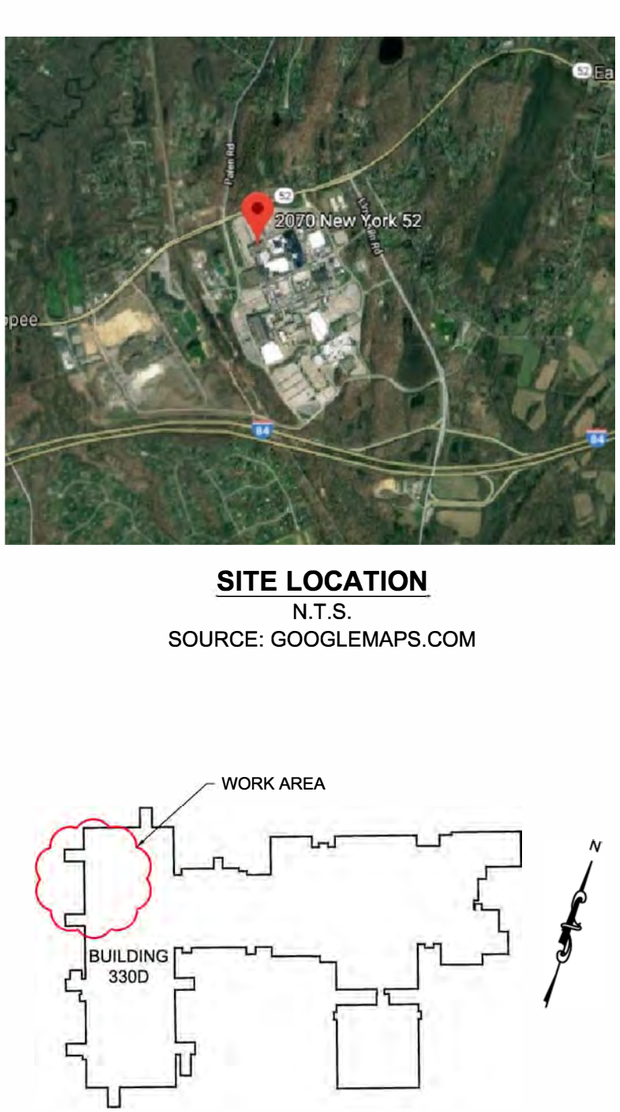
Appendices
Appendix A – 60-day Notification for Crepini Phase 2 Expansion
Appendix B – iPark Building 700 (330D) Crepini Expansion Work Plan and Associated Correspondence
Appendix C – Site Photographs
Appendix D – Laboratory Analytical Report
Appendix E – CAMP Air Monitoring Daily Report
Appendix F – CAMP Station #1 Air Monitoring Data
Appendix G – CAMP Station #2 Air Monitoring Data

FIGURE 1
SITE PLAN

SITE LOCATION

N.T.S.

SOURCE: GOOGLEMAPS.COM



BUILDING 700 (330D)

N.T.S.

0 400 800 1600 2400

SCALE: 1"=800'

SITE PLAN

SCALE: 1" = 800'-0"

N

LEGEND

- PROPERTY LINE

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

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Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 700 (330D) iPark 84 Campus 2070 Route 52 Hopewell Junction, N.Y. 12533		DRAWING TITLE: SITE PLAN BUILDING 700 (330D) CREPINI SPACE		DRAWING NO: 1	ISSUED
DESIGNED BY: NMB	DRAWN BY: LS	JOB NO: IPARK118.33	DATE: 7/19/19 11x17	SHEET NO: 1 OF 2	REVISION NO: 0
APPROVED BY: JMH	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark\0118\Park0118.33 - Crepini IAQACAD\PARK0118.33.dwg			

FIGURE 2
BUILDING 700 (330D) FIRST FLOOR TENANT SPACES

N

Building 700

IBM

CREPINI
New
Space
56,477
SqFT

IES
8,870
sqft

CREPINI
Existing
Space
30,000
sqft

LOADING
DOCKS

Common area
TOTAL for all area
with this color
7,271 SqFt

Extra
Space
Required
from
PAULA
CREPINI
1,162
SqFT

Ipark 84

Crepini 1st floor

Sheet No.:

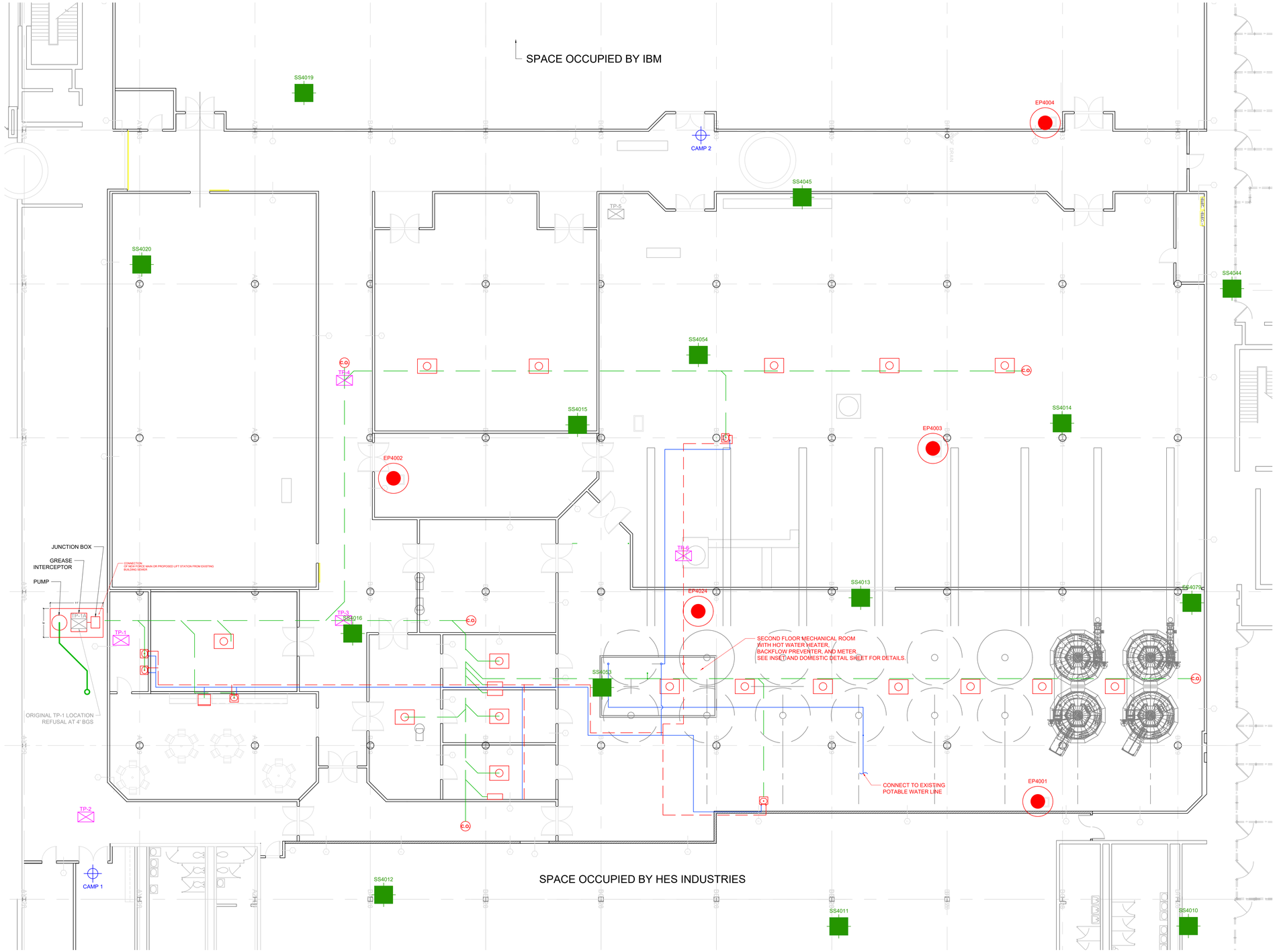
01

Issue Date:

10/22/2020

FIGURE 3

PRE- CONSTRUCTION SOIL SAMPLING AND CAMP AIR MONITORING LOCATIONS



LEGEND

- NEW SANITARY SEWER LINE
- NEW SANITARY FORCE MAIN
- NEW DOMESTIC COLD WATER LINE (OVERHEAD)
- NEW DOMESTIC HOT WATER LINE (OVERHEAD)
- DRAIN
- C.O. — CLEAN OUT
- HANDWASHING SINK
- MIX ROOM OIL WATER SEPARATOR
- DISHWASHER
- HWH — HOT WATER HEATER
- BP — BACKFLOW PREVENTER AND METER
- SANITARY LIFT STATION AND PIT
- TP-1, TP-2, TP-3, TP-4, TP-6: SAMPLING LOCATIONS
- TP-1A, TP-5: NOT SAMPLED
- SUBSLAB VAPOR MONITORING PORT
- SUBSLAB VAPOR EXTRACTION PORT
- CAMP LOCATION

SOIL SAMPLING AND CAMP LOCATIONS

SCALE:1" = 10'

0 5 10 20 30

SCALE: 1"=10'

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
NO.	DATE	COMMENTS
0	1/22/21	UPDATED PER DEC COMMENTS

STATE OF NEW YORK · THOMAS THEODORE NITZA JR · 098642 · LICENSED PROFESSIONAL ENGINEER

LOCATION:
CREPINI, LLC
700 South Dr. Suite 105
Hopewell Junction, New York 12533

FOR:
IPARK EAST FISHKILL
2070 Route 52
Hopewell Junction, New York 12533

DRAWING TITLE:
SOIL SAMPLING AND CAMP LOCATIONS
PHASE 2 CREPINI EXPANSION

DRAWING NO: 3

ISSUED: 2/10/2021

REVISION NO: 0

DESIGNED BY: TTN/NB	DRAWN BY: RAS	JOB NO: CREP2001	DATE: February 10, 2021	24" x 36"
APPROVED BY: TTN	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark0118\iPark0118.54 - B700 330D Crepini Expansion\ACAD\CAMP Locations - Crepini RAS 2-9-21.dwg		

TABLE 1
SUMMARY OF SOIL SAMPLING RESULTS

iPARK 84 CAMPUS
BUILDING 700 (330D)
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY
CREPINI PHASE 2 EXPANSION PRE-CONSTRUCTION SUB-SLAB SOIL SAMPLING
TABLE 1
SUMMARY OF SOIL SAMPLING RESULTS - VOCs ONLY

				Collection Date		2/4/2021		2/4/2021		2/4/2021		2/4/2021		2/4/2021		2/4/2021	
				Sample ID		TP-1 (0-1)		TP-1 (7-8)		TP-2 (0-1)		TP-2 (2-3)		TP-3 (0-1)		TP-3 (5-6)	
				Matrix		Soil		Soil		Soil		Soil		Soil		Soil	
	NYCRR Part 375 SCOs																
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Volatiles By SW8260C																
1,1,1,2-Tetrachloroethane	630-20-6				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,1,1-Trichloroethane	71-55-6	500,000	100,000	680	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,1,2,2-Tetrachloroethane	79-34-5				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,1,2-Trichloroethane	79-00-5				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,1-Dichloroethane	75-34-3	240,000	19,000	270	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,1-Dichloroethene	75-35-4	500,000	100,000	330	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,1-Dichloropropene	563-58-6				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2,3-Trichlorobenzene	87-61-6				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2,3-Trichloropropane	96-18-4				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2,4-Trichlorobenzene	120-82-1				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2,4-Trimethylbenzene	95-63-6	190,000	47,000	3,600	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2-Dibromo-3-chloropropane	96-12-8				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2-Dibromoethane	106-93-4				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2-Dichlorobenzene	95-50-1	500,000	100,000	1,100	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2-Dichloroethane	107-06-2	30,000	2,300	20	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,2-Dichloropropane	78-87-5				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,3,5-Trimethylbenzene	108-67-8	190,000	47,000	8,400	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,3-Dichlorobenzene	541-73-1	280,000	17,000	2,400	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,3-Dichloropropane	142-28-9				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
1,4-Dichlorobenzene	106-46-7	130,000	9,800	1,800	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
2,2-Dichloropropane	594-20-7				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
2-Chlorotoluene	95-49-8				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
2-Hexanone	591-78-6				< 23	U	< 25	U	< 26	U	< 19	U	< 27	U	< 19	U
2-Isopropyltoluene	527-84-4				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
4-Chlorotoluene	106-43-4				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
4-Methyl-2-pentanone	108-10-1				< 23	U	< 25	U	< 26	U	< 19	U	< 27	U	< 19	U
Acetone	67-64-1	500,000	100,000	50	26	S	26	S	**130**	S	8.9	JS	34	S	5.5	JS
Acrylonitrile	107-13-1				< 9.3	U	< 10	U	< 11	U	< 7.5	U	< 11	U	< 7.4	U
Benzene	71-43-2	44,000	2,900	60	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Bromobenzene	108-86-1				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Bromochloromethane	74-97-5				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Bromodichloromethane	75-27-4				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Bromoform	75-25-2				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Bromomethane	74-83-9				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Carbon Disulfide	75-15-0				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Carbon tetrachloride	56-23-5	22,000	1,400	760	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Chlorobenzene	108-90-7	500,000	100,000	1,100	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U

iPARK 84 CAMPUS
BUILDING 700 (330D)
2070 NY ROUTE 52
HOPEWELL JUNCTION, NY
CREPINI PHASE 2 EXPANSION PRE-CONSTRUCTION SUB-SLAB SOIL SAMPLING
TABLE 1
SUMMARY OF SOIL SAMPLING RESULTS - VOCs ONLY

				Collection Date		2/4/2021		2/4/2021		2/4/2021		2/4/2021		2/4/2021		2/4/2021	
				Sample ID		TP-1 (0-1)		TP-1 (7-8)		TP-2 (0-1)		TP-2 (2-3)		TP-3 (0-1)		TP-3 (5-6)	
				Matrix		Soil		Soil		Soil		Soil		Soil		Soil	
	NYCRR Part 375 SCOs																
	CAS	**Commercial Use Soil Cleanup Objective**	**Residential Use Soil Cleanup Objective**	**Unrestricted Use Soil Cleanup Objective**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**	**Result**	**Qualifier**
Chloroethane	75-00-3				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Chloroform	67-66-3	350,000	10,000	370	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Chloromethane	74-87-3				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
cis-1,2-Dichloroethene	156-59-2	500,000	59,000	250	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
cis-1,3-Dichloropropene	10061-01-5				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Dibromochloromethane	124-48-1				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Dibromomethane	74-95-3				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Dichlorodifluoromethane	75-71-8				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Ethylbenzene	100-41-4	390,000	30,000	1,000	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Hexachlorobutadiene	87-68-3				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Isopropylbenzene	98-82-8				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
m&p-Xylene	179601-23-1				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Methyl Ethyl Ketone	78-93-3	500,000	100,000	120	< 28	U	< 30	U	< 32	U	< 23	U	< 32	U	< 22	U
Methyl t-butyl ether (MTBE)	1634-04-4	500,000	62,000	930	< 9.3	U	< 10	U	< 11	U	< 7.5	U	< 11	U	< 7.4	U
Methylene chloride	75-09-2	500,000	51,000	50	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Naphthalene	91-20-3	500,000	100,000	12,000	< 4.7	U	< 5.0	U	31	J	< 3.8	U	< 5.4	U	< 3.7	U
n-Butylbenzene	104-51-8	500,000	100,000	12,000	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
n-Propylbenzene	103-65-1	500,000	100,000	3,900	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
o-Xylene	95-47-6				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
p-Isopropyltoluene	99-87-6				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
sec-Butylbenzene	135-98-8	500,000	100,000	11,000	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Styrene	100-42-5				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
tert-Butylbenzene	98-06-6	500,000	100,000	5,900	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Tetrachloroethene	127-18-4	150,000	5,500	1,300	460		86	J	500		0.83	J	2.2	J	< 3.7	U
Tetrahydrofuran (THF)	109-99-9				< 9.3	U	< 10	U	4.4	J	< 7.5	U	< 11	U	< 7.4	U
Toluene	108-88-3	500,000	100,000	700	< 4.7	U	< 5.0	U	0.59	J	< 3.8	U	< 5.4	U	< 3.7	U
trans-1,2-Dichloroethene	156-60-5	500,000	100,000	190	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
trans-1,3-Dichloropropene	10061-02-6				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
trans-1,4-dichloro-2-butene	110-57-6				< 9.3	U	< 10	U	< 11	U	< 7.5	U	< 11	U	< 7.4	U
Trichloroethene	79-01-6	200,000	10,000	470	< 4.7	U	< 5.0	U	22	J	< 3.8	U	< 5.4	U	< 3.7	U
Trichlorofluoromethane	75-69-4				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Trichlorotrifluoroethane	76-13-1				< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U
Vinyl chloride	75-01-4	13,000	210	20	< 4.7	U	< 5.0	U	< 5.3	U	< 3.8	U	< 5.4	U	< 3.7	U

Notes:
Concentrations are provided in micrograms per kilogram (µg/Kg).
U - The compound was anlayzed
for but not detected at or above
Highlighted results indicate those detected above MDLs.
Bold results indicate those detected above Unrestricted Use Soil Cleanup Objectives.
flag is used (a) on form 1 when
that is used in the laboratory.

APPENDIX A
60-DAY NOTIFICATION FOR CREPINI PHASE 2 EXPANSION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Former IBM East Fishkill Facility **DEC Site ID No.** 314054

II. Contact Information of Person Submitting Notification:

Name: Carl Monheit

Address1: iPark East Fishkill LLC

Address2: 2070 Route 52, Building 200, Hopewell Junction, NY 12533

Phone: 203-912-7571 E-mail: cmonheit@nationalresources.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

☐ Change in Ownership or Change in Remedial Party(ies)

☐ Transfer of Certificate of Completion (CoC)

☑ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 12/31/2020

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

See attached description for proposed change of use regarding the planned expansion of the Crepini food manufacturing operation in Building 700 (formerly Building 330D).

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

See attached discussion of how the proposed Crepini expansion in Building 700 (formerly Building 330D) will not affect the remedial program at the Former IBM East Fishkill Facility.

V. Certification Statement: Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ _____
(Signature) (Date)

Not Applicable
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Not Applicable

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ _____
(Signature) (Date)

_____
(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: ______________________________
Address1: ______________________________
Address2: ______________________________
Phone: ______________ E-mail: ______________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: ______________________________
Address1: ______________________________
Address2: ______________________________
Phone: ______________ E-mail: ______________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: ______________________________
Address1: ______________________________
Address2: ______________________________
Phone: ______________ E-mail: ______________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: ______________________________
Address1: ______________________________
Address2: ______________________________
Phone: ______________ E-mail: ______________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: ______________________________
Address1: ______________________________
Address2: ______________________________
Phone: ______________ E-mail: ______________

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: ______________________________
Address1: ______________________________
Address2: ______________________________
Phone: ______________ E-mail: ______________

New York State Department of Environmental Conservation

Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I	**Description**
Site Name	Official DEC site name. (see http://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3)
DEC Site ID No.	DEC site identification number.

Section II	**Contact Information of Person Submitting Notification**
Name	Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.
Address1	Street address or P.O. box number of the person submitting notification.
Address2	City, state and zip code of the person submitting notification.
Phone	Phone number of the person submitting notification.
E-mail	E-mail address of the person submitting notification.

Section III	**Type of Change and Date**
Check Boxes	Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.
Proposed Date of Change	Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV	**Description**
Description	For each change checked in Section III, describe the proposed change. Provide all applicable maps, drawings, and/or parcel information. If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site. Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party Name	Name of Certifying Party.
Address1	Certifying Party's street address or P.O. Box number.
Address2	Certifying Party's city, state and zip code.
Phone	Certifying Party's Phone number.
E-Mail	Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at http://www.dec.ny.gov/chemical/54736.html

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name	Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.
Address1	Current owner's street address.
Address2	Current owner's city, state and zip code.

Attachment to 60-Day Notification for Building 700 (Formerly 330D)

Proposed Change of Use-Crepini Expansion

Former IBM East Fishkill Facility – DEC Site ID No. 314054

Proposed Date for Change of Use Date

The proposed change of use date indicated on the form is iPark East Fishkill LLC's (iPark) tentative target date, recognizing that State approval is required before the work activities can begin. Upon approval from the State, iPark plans to proceed with the modifications to Building 700 (Formerly Building 330D) while satisfying all NYSDEC requirements that must be fulfilled prior to tenant occupancy for the Crepini Expansion.

Description of Proposed Change of Use

iPark proposes to lease approximately 56,500 square feet of additional space in Building 700 (Formerly 330D) at the iPark 84 site (Former IBM East Fishkill Facility) to Crepini to allow for the expansion of their food manufacturing operations. Crepini's operations currently take place in the northern portion of the building. The additional space to be occupied by Crepini is a vacant former manufacturing area located on the first floor of Building 700 (330D), between the HES semi-conductor parts manufacturing space and the southern end of the building occupied by IBM. The two Crepini spaces will be connected by an area on the eastern side of the building. The locations of Building 700 (Formerly 330D), the planned Crepini expansion area, and the current building occupancy are called out on the attached site figures.

iPark does not plan to disturb the existing floor slab in the proposed Building 700 Crepini expansion space as part of the fit up. The floors will be sealed and the HVAC systems serving the food manufacturing space will be modified. Additional details on the proposed modifications will be provided as the plans are developed.

Discussion of How the Proposed Change of Use Will Not Affect the Remedial Program at the Former IBM East Fishkill Facility

IBM and iPark have performed indoor air quality testing in various portions of Building 700 (Formerly 330D) as part of the RFI Work Plan (IBM testing) and pre-occupancy testing (iPark for the original Crepini space and the adjacent HES semi-conductor parts manufacturing space). IBM installed and currently operates a Sub-Slab Depressurization System (SSDS) in Building 700 (330D) in order to mitigate sub-slab vapors containing elevated concentrations of VOCs from beneath the Crepini space (in 80K Area) and adjoining areas.

iPark will coordinate with IBM to perform sampling to evaluate and characterize environmental and health risks associated with Building 700 (330D) in the area of the planned Crepini expansion. If the fit out of the Crepini expansion space involves any trenching or disturbance of soils beneath the floor slab

(not anticipated at this time), sampling would be conducted prior to any interior trenching and drainage work and a special requirements CAMP would be implemented during any indoor intrusive activities. If intrusive activities are required, a work plan would be submitted to the State for review and approval.

Once the interior modifications are completed, indoor air sampling will be performed. The indoor air quality testing results will be evaluated to verify that indoor air quality is acceptable before the tenant takes occupancy and to determine the need for mitigation. Appropriate mitigation measures will be designed and installed if necessary.

N

SITE PLAN

N.T.S.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
iPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 700 (FORMER 330D)
iPark 84 Campus
2070 State Route 52
Hopewell Junction, NY 12533

DESIGNED BY: NMB | DRAWN BY: EJK
APPROVED BY: JMH | SCALE: AS NOTED

DRAWING TITLE: SITE PLAN
BUILDING 700- PROPOSED CREPINI FOOD MANUFACTURING EXPANSION

JOB NO: IPARK0118.40 | DATE: 11/26/19 | 11x17 | SHEET NO: 1 OF 2

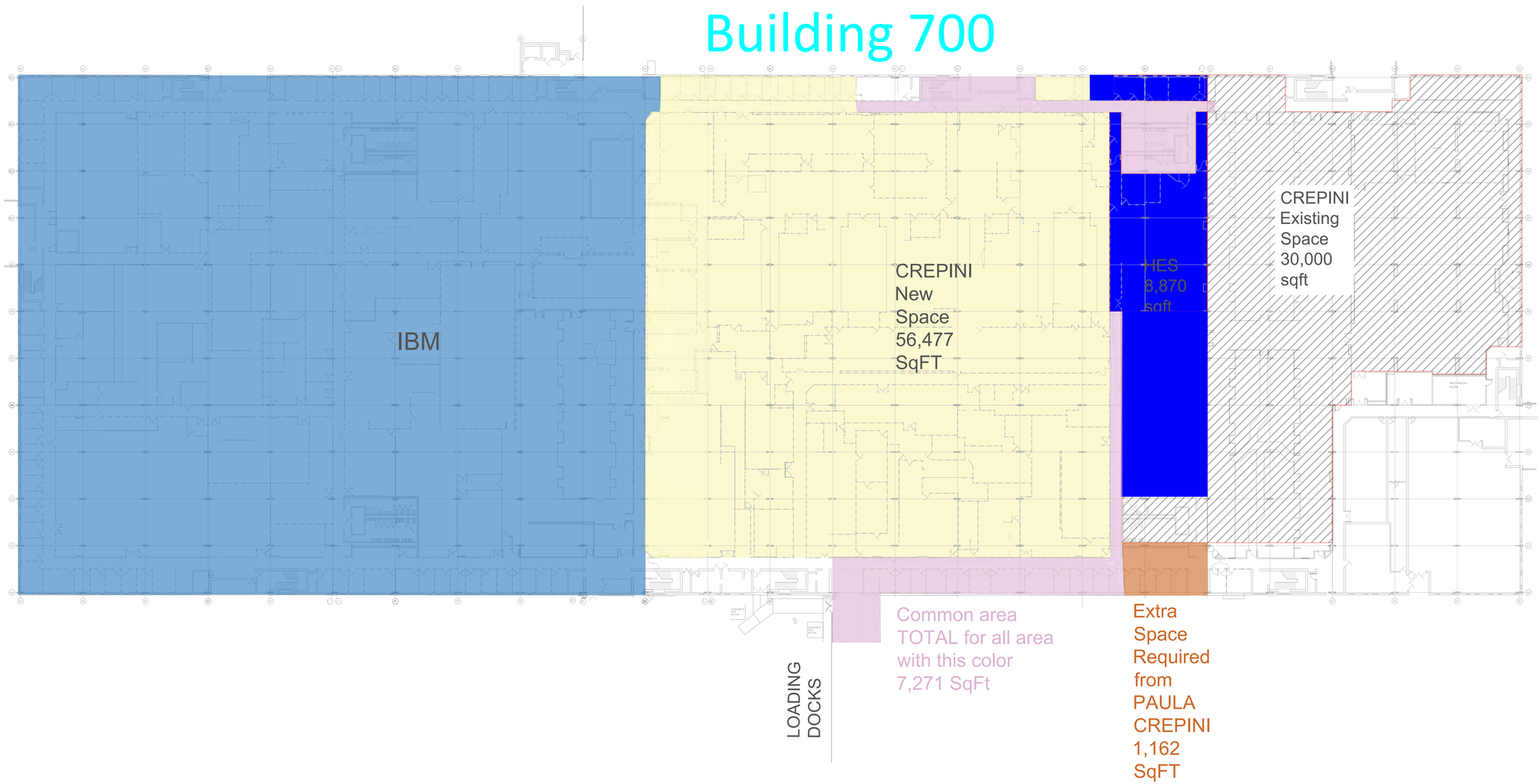
CAD FILE NAME: Z:\iPark0118\iPark0118.40 Bldg 700 former 330D\Acad\iPark0118.40 Bldg 700 former 330D.dwg

FIGURE NO: 1

ISSUED

REVISION NO: 0

Building 700



Ipark 84

Crepini 1st floor

Sheet No.:

01

Issue Date:

10/22/2020

APPENDIX B
IPARK BUILDING 700 (330D) CREPINI EXPANSION WORK PLAN AND ASSOCIATED CORRESPONDENCE

From:	nbrew@Walden-Associates.com
To:	"LaClair, Jess A (DEC)"; "jcotter@nationalresources.com"
Cc:	"Carl Monheit"; "Dardan Vitija"; "Dean Chartrand"; "gary.marone@globalfoundries.com"; "ejohnston@walden-associates.com"; "kawright@walden-associates.com"; "tnitza@walden-associates.com"; "Kenney, Julia M (HEALTH)"
Subject:	RE: iPark 84 - Work Plan for Building 700 (330D) Crepini Phase 2 Expansion Activities
Date:	Wednesday, February 3, 2021 9:58:00 AM

Thank you, Jess. Walden will be on-site tomorrow (Feb. 4) for the sub-slab soil sampling and CAMP air monitoring.

Nora

NORA M. BREW, P.E.
VICE PRESIDENT, SENIOR PROJECT MANAGER

WALDEN ENVIRONMENTAL ENGINEERING
16 SPRING STREET, OYSTER BAY, NEW YORK 11771 (HQ)
OFFICE: (516) 624-7200, FAX: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

ADDITIONAL LOCATIONS
CAPITAL DISTRICT * HUDSON VALLEY

PROVIDING ENVIRONMENTAL CONSULTING, CIVIL/ENVIRONMENTAL ENGINEERING, AND GEOGRAPHIC INFORMATION SYSTEMS SERVICES SINCE 1995.
WALDEN CONTINUES TO GROW THROUGH REFERRALS FROM CLIENTS AND FRIENDS LIKE YOU

From: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>
Sent: Tuesday, February 2, 2021 10:26 AM
To: nbrew@walden-associates.com; jcotter@nationalresources.com
Cc: 'Carl Monheit' <cmonheit@nationalresources.com>; 'Dardan Vitija' <dvitija@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>; gary.marone@globalfoundries.com; ejohnston@walden-associates.com; kawright@walden-associates.com; tnitza@walden-associates.com; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; Edwards, Susan L (DEC) <susan.edwards@dec.ny.gov>
Subject: RE: iPark 84 - Work Plan for Building 700 (330D) Crepini Phase 2 Expansion Activities

Hello Joe and Nora,

The responses to the Departments' comments are acceptable. Please continue to keep us notified of any planned work. If you have any other questions, please contact me.

Thank you,
Jess

From: nbrew@Walden-Associates.com <nbrew@Walden-Associates.com>
Sent: Friday, January 29, 2021 3:55 PM
To: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Cc: 'Carl Monheit' <cmonheit@nationalresources.com>; 'Dardan Vitija' <dvitija@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>; gary.marone@globalfoundries.com; ejohnston@walden-associates.com; kawright@walden-

associates.com; tnitza@walden-associates.com
Subject: RE: iPark 84 - Work Plan for Building 700 (330D) Crepini Phase 2 Expansion Activities

Jess,

Walden has reviewed NYSDEC's January 21, 2021 letter which conditionally approved the Building 700 (Formerly 330D) Crepini Phase 2 Expansion Activities Work Plan ***(Updated, January 19, 2021).*** Our responses to NYSDEC's comments are presented below:

- Comment 1. The plumbing layout has been revised (see attached figure) and the proposed sanitary lift station is now located in the area of the lowest sub-slab VOC concentrations recorded beneath the Crepini Phase 2 expansion space. As discussed, sub-slab soil sampling will be performed in the area of the test pit (TP-1) to be excavated to evaluate the proposed lift station location. The attached figure shows five (5) potential alternate test pit excavation locations (TP-2 through TP-6) that may be excavated if the first location (TP-1) is determined to be unsuitable for the lift station.
    - Prior to cutting the slab and conducting the test pit activities, soil samples will be collected from one core placed in the middle of potential test pit excavation areas. Although six (6) locations are shown on the figure, we will focus sampling on the locations outside the VOC "hot" zone, only sampling in the higher VOC concentration areas if necessary. The decision on how many to evaluate/sample will be made in the field. We will inform DEC/DOH of the locations sampled on the day the drilling is performed.
    - A Geoprobe will be utilized at each location to retrieve continuous soil core from one (1) ft below the bottom of the slab to nine (9) ft below grade (bg), approximately one (1) ft below the proposed eight (8) ft excavation depth for the test pit. The soil cores will be visually inspected, divided into one (1) ft intervals, and screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID) that has been properly calibrated according to manufacturer's instructions each day prior to sampling, and logged in the field book by field personnel. Excess soils removed from each soil core location shall be placed back into the borehole before moving on to the next location.
    - Two (2) discrete soil samples will be collected for VOC analysis from each boring, from the one (1) ft intervals exhibiting the greatest visual or olfactory evidence of contamination (odors/staining) and/or the highest PID screening measurement. If screening and observations show no evidence of contamination in any of the intervals, soil samples shall be collected from the 3-4 ft bg and 8-9 ft bg intervals and submitted to an ELAP-certified laboratory for VOCs via EPA Method 8260.
    - The laboratory VOC data will be evaluated and submitted to the State before test pit excavation work begins. Worker and current tenant exposure risks will be evaluated based on the sampling data. The VOC data will also be used to pre-characterize soils that will be removed during installation of the Crepini Phase 2 expansion drainage system.

- Comment 2. Temporary fencing will be placed around open test pits to limit access.

- Comment 3. The State will be notified immediately in the event that Special Requirements CAMP air monitoring indicates that the organic vapor level is above twenty-five (25) ppm at the perimeter of the work area.

- Comment 4. Prior to conducting the pre-occupancy indoor air sampling, iPark will coordinate with IBM to ensure that the B330D Central SSDS is running properly in addition to the HVAC system.

- Comment 5. The attached figure shows the proposed plumbing layout, the current B330D Central SSDS extraction points and monitoring points (system piping is aboveground), and the proposed soil coring locations which correspond to the planned (TP-1) and potential test pit (TP-2 through TP-6) locations.

Please call me if you have any questions. We will notify you when the sub-slab soil sampling work is scheduled.

Thanks,
Nora

Nora M. Brew, P.E.
Vice President, Senior Project Manager

Walden Environmental Engineering
16 Spring Street, Oyster Bay, New York 11771 (HQ)
Office: (516) 624-7200, Fax: (516) 624-3219
www.waldenenvironmentalengineering.com

Additional Locations
Capital District * Hudson Valley

From: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>
Sent: Thursday, January 21, 2021 4:01 PM
To: nbrew@walden-associates.com; jcotter@nationalresources.com
Cc: 'Carl Monheit' <cmonheit@nationalresources.com>; 'Dardan Vitija' <dvitija@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>; gary.marone@globalfoundries.com; ejohnston@walden-associates.com; kawright@walden-associates.com; tnitza@walden-associates.com; Edwards, Susan L (DEC) <susan.edwards@dec.ny.gov>; Armitage, John L (DEC) <John.Armitage@dec.ny.gov>; Stenerson, Justin (DEC) <Justin.Stenerson@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>; Schuck, Maureen E (HEALTH) <maureen.schuck@health.ny.gov>; Eric Lutz <eric.lutz@globalfoundries.com>; Lynne Ward <lward@nationalresources.com>; Daniel Pennessi <dpennessi@nationalresources.com>
Subject: RE: iPark 84 - Work Plan for Building 700 (330D) Crepini Phase 2 Expansion Activities

Joe and Nora,

Attached please find the Departments' response to the revised workplan for the Crepini Expansion. Please contact me if you have any questions.

Jess

From: nbrew@Walden-Associates.com <nbrew@Walden-Associates.com>
Sent: Tuesday, January 19, 2021 4:54 PM
To: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Cc: 'Carl Monheit' <cmonheit@nationalresources.com>; 'Dardan Vitija' <dvitija@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>; gary.marone@globalfoundries.com; ejohnston@walden-associates.com; kawright@walden-associates.com; tnitza@walden-associates.com
Subject: RE: iPark 84 - Work Plan for Building 700 (330D) Crepini Phase 2 Expansion Activities

Jess and Julia,

The Building 700 (330D) Crepini Phase 2 Expansion Activities Work Plan has been revised based on input from the State and IBM. The revised plan has been uploaded to Google Drive and can be accessed at the following link:

https://drive.google.com/file/d/1DX6Pnzr20Z-4Z-GCmQ0caQJQysdoHaHN/view?usp=sharing

Please call me if you have any questions.

Nora

NORA M. BREW, P.E.
VICE PRESIDENT, SENIOR PROJECT MANAGER

WALDEN ENVIRONMENTAL ENGINEERING
16 SPRING STREET, OYSTER BAY, NEW YORK 11771 (HQ)
OFFICE: (516) 624-7200, FAX: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

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From: nbrew@Walden-Associates.com <nbrew@Walden-Associates.com>
Sent: Monday, January 11, 2021 7:27 AM
To: LaClair, Jess A (DEC) <jess.laclair@dec.ny.gov>; Kenney, Julia M (HEALTH) <julia.kenney@health.ny.gov>
Cc: 'Carl Monheit' <cmonheit@nationalresources.com>; 'Dardan Vitija' <dvitija@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>; gary.marone@globalfoundries.com; ejohnston@walden-associates.com; kawright@walden-associates.com; tnitza@walden-associates.com
Subject: iPark 84 - Work Plan for Building 700 (330D) Crepini Phase 2 Expansion Activities

Jess and Julia,

Good morning. The Building 700 (330D) Crepini Phase 2 Expansion Activities Work Plan has been uploaded to Google Drive and can be accessed at the following link:

https://drive.google.com/file/d/1YXT7mIaR9fJOyAf5EuBuMChrcTWnme7m/view?usp=sharing

As discussed during Thursday's monthly call, this project is a high priority, therefore we request that the State expedite review of this submittal.

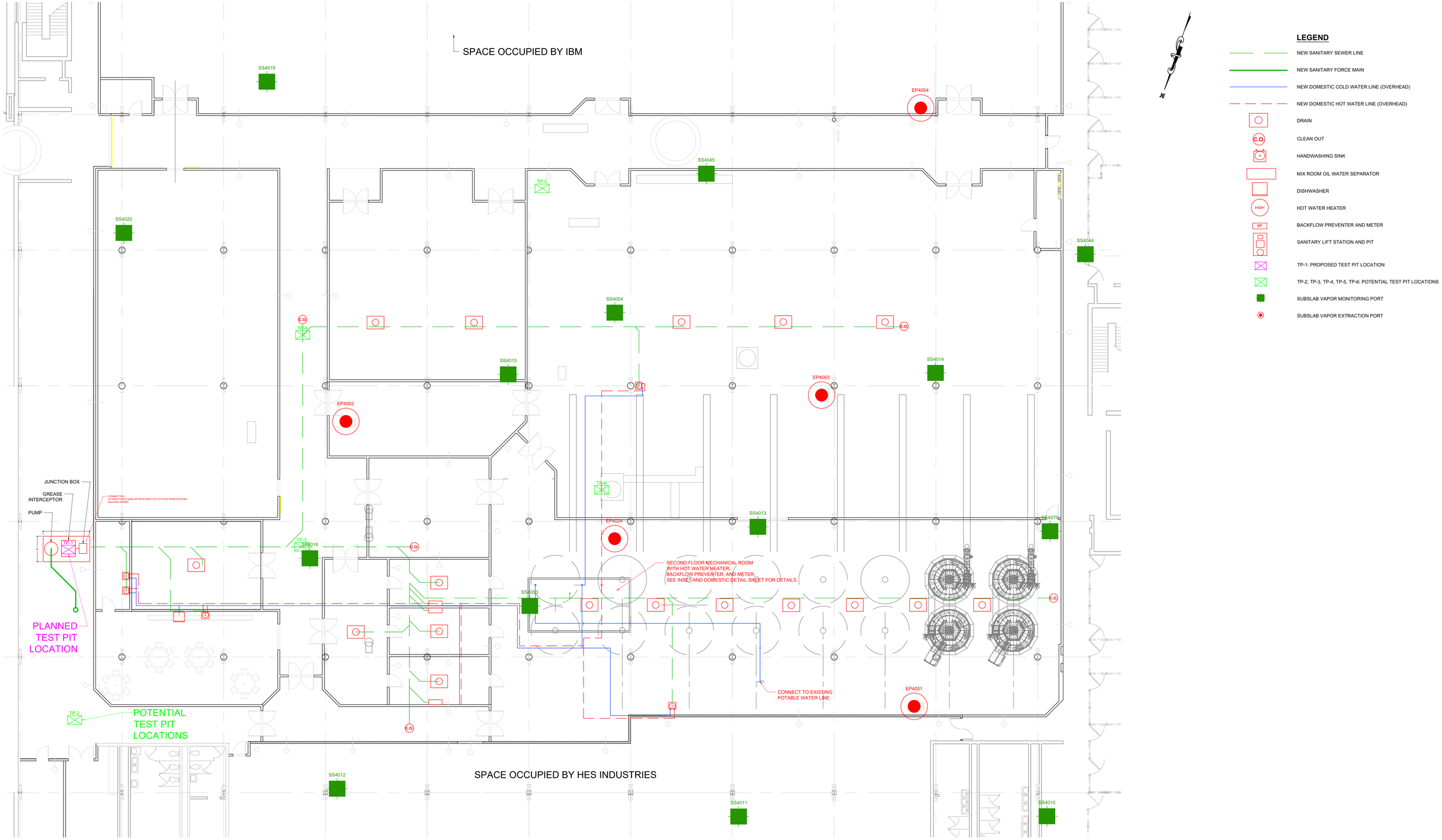
Please call me if you have any questions.

Thank you,
Nora

Nora M. Brew, P.E.
Vice President, Senior Project Manager

Walden Environmental Engineering
16 Spring Street, Oyster Bay, New York 11771 (HQ)
Office: (516) 624-7200, Fax: (516) 624-3219
www.waldenenvironmentalengineering.com

Additional Locations
Capital District * Hudson Valley



PROPOSED PLUMBING LAYOUT AND PRE-CONSTRUCTION SAMPLING PLAN

SCALE:1" = 10'

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
NO.	DATE	COMMENTS
0	1/22/21	UPDATED PER DEC COMMENTS

STATE OF NEW YORK · THOMAS THEODORE NITTA JR · 098642 · LICENSED PROFESSIONAL ENGINEER

LOCATION:
CREPINI, LLC
700 South Dr. Suite 105
Hopewell Junction, New York 12533

FOR:
IPARK EAST FISHKILL
2070 Route 52
Hopewell Junction, New York 12533

DRAWING TITLE:
PROPOSED PLUMBING LAYOUT AND PRE-CONSTRUCTION SAMPLING PLAN
PHASE 2 CREPINI EXPANSION

DRAWING NO: P-101B

ISSUED: 1/29/2021

REVISION NO: 0

DESIGNED BY: TTN/NB	DRAWN BY: RAS	JOB NO: CREP2001	DATE: January 29, 2021
APPROVED BY: TTN	SCALE: AS NOTED	CAD FILE NAME: Z:\IPark\0118\IPark0118.54 - B700 330D Crepini Expansion\ACAD\PER DEC COMMENTS - Crepini RAS 1-29-21.dwg	24" x 36"

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau D
625 Broadway, 12th Floor, Albany, NY 12233-7013
P: (518) 402-9676 I F: (518) 402-9773
www.dec.ny.gov

January 21, 2021

Joseph Cotter
iPark 84
200 North Drive
Hopewell Junction, NY 12533

Re: iPark 84
Former IBM East Fishkill Facility
Building 700 (Formerly 330D)
Crepini Phase 2 Expansion Activities Work Plan

Dear Mr. Cotter:

The Department of Environmental Conservation and the Department of Health (Departments) have reviewed the revised Phase 2 Expansion Activities Work Plan submitted on January 19, 2021 by Walden Environmental Engineering on behalf of iPark. The work plan was revised based on verbal comments received from the Department of Environmental Conservation during a call on January 15, 2021 and Sanborn Head's comments provided by IBM on January 15, 2021. Based on the work plan, Crepini a food manufacturer, plans to lease approximately 56,500 sq. ft of additional space in Building 330D (aka B700). The space is located in the central portion of Building 330D between spaces occupied by HES Industries and IBM. It is the Departments' understanding that the proposed trenching and excavation work for the proposed piping and lift station will avoid interfering with the existing subslab depressurized system (SSDS) extraction points and monitoring points. It is also the Departments' understanding from the work plan that the SSDS will be tested after the intrusive work is completed and prior to the Indoor Air Quality sampling. The Departments have the following comments:

1. Page 5, Test Pit Excavation in Support of Plumbing Design – The Departments have concerns regarding possible contamination beneath the slab based on the depth of excavation for the test pit and the subslab vapor data. The Departments request subslab soil sampling in the area of the proposed test pit. Prior to cutting the slab and conducting the test pit activities soil samples must be collected from one core placed in the middle of the proposed excavation area. The core must be sampled for volatile organic compounds in one-foot intervals from one foot below the slab to one foot below the proposed excavation limit. This sampling must also be conducted for any additional test pits. The data must be received and evaluated for potential construction worker and current tenant worker exposure prior to excavation work commencing. Any additional

precautions deemed necessary to minimize exposure must be provided to the Departments' based upon the data and subsequent evaluation.

2. Page 5, Please consider using temporary fencing around the open test pit to limit access to the open excavation.

3. Page 7, Special Requirements CAMP Air Monitoring, last paragraph states "CAMP air monitoring reports will be submitted to the State on a weekly basis" – Weekly CAMP submittals are acceptable, however, if an exceedance is detected then the Departments need to be notified immediately and the data must be submitted as soon as possible.

4. Page 9, SSDS and Indoor Air Quality Testing Prior to Tenant Occupancy – During the IAQ sampling, iPark must also ensure that the B330D Central SSDS is running properly in addition to the HVAC system, prior to conducting the indoor air sampling.

5. Provide the Departments a figure that shows both the proposed plumbing layout and the current B330D Central SSDS piping.

6. Attachment B – Health and Safety Plan – The Departments will not be reviewing or approving the Health and Safety Plan. This does not have to accompany each workplan but should be referenced to notify people where it is located.

The workplan is conditionally approved with the inclusion of the above requested additional sampling. If you have any questions, please contact me at (518) 402-9821 or jess.laclair@dec.ny.gov.

Sincerely,

Jessica La Clair

Jess LaClair
Project Manger

ec: C. Monheit, iPark
D. Pennessi, NR
L. Ward, NR
D. Chartrand, IBM
G. Marone, GF
E. Lutz, GF
S. Edwards, DEC
J. Armitage, DEC
J. Stenerson, DEC
J. Kenney, DOH
M. Schuck, DOH
N. Brew, Walden

Building 700 (330D)
Crepini Phase 2 Expansion Activities Work Plan

at

iPark 84
Former IBM East Fishkill Facility

January 2021

Prepared for:

Jessica LaClair
New York State Dept. of Environmental Conservation
Dept. of Environmental Remediation
625 Broadway
Albany, New York 12233-7013

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WALDEN ENVIRONMENTAL ENGINEERING

January ***19***, 2021
iPARK0118.54

Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84
Former IBM East Fishkill Facility
Building 700 (Formerly 330D)
Crepini Phase 2 Expansion Activities
Work Plan ***(Updated)***

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) is submitting this Phase 2 Expansion Activities Work Plan on behalf of iPark East Fishkill, LLC (iPark/Owner), the owner of Building 710 (formerly Building 330D) at the iPark 84 Former IBM East Fishkill Facility located in Hopewell Junction, New York (**Figure 1**). ***This Work Plan has been updated based on verbal comments provided by NYSDEC during a January 15, 2021 conversation and Sanborn Head's review comments (January 15, 2021 memorandum to IBM). The revisions are shown in bold italics to facilitate the State's review.***

iPark is currently leasing approximately 30,000 square feet of space within the north end of Building 700 (330D) at the iPark 84 site to Crepini LLC (Crepini), a food manufacturer. Crepini is expanding its operations by leasing approximately 56,500 sq ft of additional space in Building 700 (330D); the area of the Phase 2 Crepini expansion is located between the spaces occupied by HES Industries ***(directly south of the existing Crepini space)*** and IBM ***[southern portion of Building 700 (330D)]*** as shown on **Figure 2**. Once the Phase 2 Crepini expansion is complete, the first floor of Building 700 (330D) will be fully occupied.

The Phase 2 Crepini expansion requires the installation of additional new sanitary floor drainage lines and a sanitary lift station to supplement the existing floor drainage structures and trenches within the space. This retrofitting activity involves the removal of sections of the concrete building slab, and disturbance of subsurface soil beneath the slab in order to install the trenches

and lift station. This Work Plan outlines the steps that will be taken by iPark to ensure compliance with the Interim Site Management Plan (ISMP) and Intrusive Activities Work Plan (IAWP) while the intrusive activities associated with this indoor construction project take place.

On November 5, 2020, Walden, on behalf of iPark, submitted the 60-day advance change of use notification to NYSDEC and NYSDOH for the proposed Phase 2 Crepini expansion in Building 700 (330D). A copy of the 60-day notification is presented in **Attachment A**. NYSDEC responded to the 60-day notification on November 13, 2020.

This Work Plan includes the following information:

- A detailed description of the project including the location and extent of the work, applicable plans, estimated volumes of soil to be excavated, and any potential impacts to existing engineering controls;

- A summary of environmental conditions within the work area including the nature and concentration levels of contaminants of concern ***based on previous investigations completed by IBM and iPark;***

- ***A description of the sub-slab depressurization systems (SSDS) installed and operating in the building to mitigate elevated concentrations of VOCs in vapor beneath the slab.***

- A statement that the work will be performed in compliance with the IAWP, which is included as Appendix C of the ISMP;

- The Health and Safety Plan (HASP) and special requirements Community Air Monitoring Plan (CAMP) to be implemented during the intrusive activities;

- Plans for soil characterization sampling;

- Handling and disposal details for potential waste streams;

- Plans to perform indoor air sampling after the interior modifications within the Phase 2 Crepini expansion space are completed, to clear the space for occupancy by the tenant; ***and***

- ***Plans to test the SSDS before and after the intrusive work is completed to identify any appreciable changes in the system performance in effectively depressurizing the entire building slab.***

Project Description

Crepini is anticipated to occupy approximately 56,500 ft^2 of additional space within the central portion of the first floor of Building 700 (330D), ***between the spaces currently occupied by HES and IBM as shown on Figure 2***. See **Figure 3** for details on the proposed plumbing layout for the Phase 2 Crepini expansion space, which will also be used for food manufacturing. The remainder of the first-floor areas in Building 700 (330D) are occupied. The only current tenant in the second floor of Building 700 (330D) is the Star Group Call Center.

In order to retrofit plumbing in the space to suit Crepini's needs, approximately 450 to 470 linear feet (lf) of trenching will be performed to install floor drains and sanitary wastewater piping associated with the planned operations, and a sanitary lift station will be installed. The areas where construction involves disturbance to the slab are shown in red on **Figure 3**. The trenches will be approximately 2 feet deep and 2 feet wide and the excavation for the lift station will be approximately 15 feet long, 8 feet wide and eight 8 feet deep. ***The final piping layout, trenching and excavation activities will avoid the existing SSDS extraction points and monitoring points in the space to ensure that they remain intact and are not compromised during the work.***

All intrusive work ***(including the test pit excavation associated with the lift station)*** will be performed in accordance with the attached HASP (**Attachment B**) and special requirements CAMP (**Attachment C**) as discussed below.

Prior to cutting the slab and conducting any test pit excavation or trenching activities, a Ground Penetrating Radar (GPR) survey will be conducted within the space to clear the work locations.

Previous Building 700 (330D) Investigation Findings

Sub-slab soil vapor sampling was conducted throughout Building 700 (330D) on behalf of IBM in 2016, as discussed in Sanborn Head's "Subslab Depressurization System Completion and Startup Report Building 330D Central & South System" (November 2020). A complete copy of this Sanborn Head Report is attached for reference at the end of this Work Plan as Appendix A. During the 2016 sub-slab vapor investigation, elevated concentrations of tetrachloroethylene (PCE) were discovered beneath the western and southeastern portions of the building. The inferred isopleths of PCE concentrations are shown on Figure 4 of the Sanborn Head Report; this figure is included in Attachment D. Based on the sub-slab vapor concentrations beneath the building, IBM installed a SSDS to depressurize the slab and prevent potential soil vapor intrusion impacts as discussed in the next section.

In April 2019, iPark performed sub-slab soil sampling in the existing Crepini space at the north end of Building 700 (330D) prior to floor trenching activities. The objective of this sampling was to evaluate contaminant levels in the sub-slab soils and to characterize exposure risks as well as determine if the soil was suitable for on-site reuse. The April 2019 sub-slab soil sampling

results were below the NYCRR Part 375-6.8(b) Restricted Residential Use Soil Cleanup Objectives (SCOs), confirming that soil removed during the trenching and floor drain installation work in the Crepini space was suitable for use in backfilling the trenches or future re-use on-site. A copy of the April 2019 *Building 330D - Crepini Tenant Space Pre-Construction Soil Sampling Summary* report, and NYSDEC's approval for on-site soil re-use is presented in **Attachment E**.

As shown on **Figure 2**, the space currently occupied by Crepini is separated from the planned Phase 2 Crepini expansion space by only approximately 50 feet. Therefore, the April 2019 sub-slab soil sampling results are sufficient to characterize the soils beneath the Building 700 (330D) slab. Soil removed during the ***test pit excavation, and trenching, floor drain and lift station*** installation work in the Phase 2 Crepini expansion space will be ***stockpiled on plastic and covered with plastic in the work area. One (1) soil sample will be collected from the stockpile and submitted to an ELAP-certified laboratory for VOCs via EPA Method 8260, Semi Volatile Organic Compounds (SVOCs) via EPA Method 8270, and Metals via EPA Method 6010C. The soil analytical results will be compared to the NYCRR Part 375-6.8(b) Soil Cleanup Objectives (SCOs) to ensure that it is suitable for use in backfilling the trenches/test pit/lift station excavation or future re-use on-site. The lab results will be submitted to NYSDEC and NYSDOH for review and approval of the appropriate soil management based on the data. Any soils that do not meet the SCOs for industrial use will be properly disposed of off-site.***

Existing SSDS Vapor Mitigation System

IBM installed and operates a SSDS in Building 700 (330D) as detailed in the November 2020 Sanborn Head Report provided in Appendix A at the end of this Work Plan. The layout of the SSDS (shown on Figure 3 from the Sanborn Head Report) is included in Attachment D. There are eight (8) vapor extraction points in the Phase 2 Crepini expansion space. Care will be taken during all intrusive activities to avoid disturbance to the SSDS and to ensure that the system is not compromised. Crushed stone may be placed around the new drainage piping and lift station to promote sub-slab air flow.

iPark will coordinate with IBM to record pre-construction pressure readings at the vapor monitoring ports in the space. These readings will be compared to the pressure measurements recorded by Sanborn Head on September 29, 2020 to ensure, before construction begins, that the system continues to effectively depressurize the slab throughout the building. Upon completion of the construction work described in this work plan, iPark will coordinate with IBM for post-construction SSDS pressure testing to identify any appreciable changes between the pre- and post-construction system performance. Past experience with the Building 755 (330C) SSDS found that sub-slab vacuum pressures were not adversely impacted by trenching and drainage installation work in the Country Produce tenant space.

Test Pit Excavation in Support of Plumbing Design

In order to support Crepini's plumbing design and determine proper placement of the sanitary lift station and pit (as shown on **Figure 3)**, a test pit will be excavated to evaluate the sub-slab conditions in this location. The test pit will be approximately 5 feet long, 5 feet wide and 8 feet deep. ***The test pit excavation(s) will be shored as needed to prevent undermining in accordance with standard practice for deeper excavations.***

iPark will coordinate with IBM to collect a sub-slab vapor sample from the SSDS vapor monitoring port closest to the proposed test pit location prior to construction to evaluate VOC concentrations in this area. This vapor sample will be collected using a 6-liter Summa® canister over an 8-hour period and analyzed for VOC analytes via modified Method TO-15 as specified in the June 2009 RFI Work Plan.

Real-time air monitoring will be performed during the test pit excavation activities in accordance with the HASP and special requirements CAMP. ***Appropriate measures will be implemented to protect workers and building occupants if air monitoring indicates any impacts associated with sub-slab vapors entering the space. The test pit excavation will be covered with plastic sheeting at all times when not actively in use and when the Special Requirements CAMP air monitoring in the construction area is not active.***

If sub-slab conditions observed at the test pit location are not favorable for the planned lift station, a test pit(s) will be excavated at an alternate location(s) within the Phase 2 Crepini expansion space to identify a suitable location. NYSDEC and NYSDOH will be informed during the work if more than one test pit is required.

Construction Phase Floor Trenching and Drainage Installation

Once the plumbing design is finalized, construction activities will proceed. While cutting the building slab, power tools with integral dust management features shall be utilized. Approximately 70 cubic yards of soil will be generated as a result of the plumbing installation. All soil will be appropriately handled and disposed of. During this work, the contractor will implement actions to protect workers and adjacent tenant spaces from contaminant releases in accordance with the HASP and special requirements CAMP, which are further discussed below. All exposed trenches and excavations will be covered with plastic sheeting to the extent possible during the work, as site construction allows. All trenches and excavations will be covered overnight with plastic. Excess soil generated by all excavation work shall be either stockpiled on top of plastic and covered with weighted tarps, or placed into drums and covered.

Any concrete demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval.

Concrete and demolition material will be reused on site, as allowable, or disposed of appropriately off-site. If a soil sample is found to contain hazardous material, NYSDEC shall be notified and the soil shall be disposed of at an appropriate facility in accordance with federal, state, and local laws.

Health and Safety Plan

iPark and its subcontractors shall adhere to the HASP that is provided in **Attachment B** for all intrusive work that will be conducted under this Work Plan. Health and Safety air monitoring will take place during work to monitor workers' exposure. Only on-Site personnel who have received 40-hour OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) training and annual 8-hour refresher training (and have proof of certified HAZWOPER training) will be allowed in the exclusion zone and contaminant reduction zone per the HASP. The air monitoring described below will provide data to monitor worker exposure and support measures to ensure worker safety in accordance with the HASP.

Special Requirements CAMP Air Monitoring

The Community Air Monitoring Program (CAMP) provided in **Attachment C** shall be implemented during construction work involving intrusive activities. Because the intrusive activities will be performed inside the building, the CAMP includes special requirements for monitoring to ensure that tenants occupying other spaces in Building 700 (330D) are not exposed from VOC and particulates released during the Phase 2 Crepini expansion work.

Prior to the beginning of any planned intrusive work within the Crepini expansion space, background VOC and dust concentrations will be measured in the work area and other tenant-occupied spaces in Building 700 (Formerly 330D). In addition, the location of all exhaust vents in the Crepini expansion space and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, will be evaluated and background concentrations will be measured in spaces that share the same ventilation/exhaust system as Crepini. Exhaust intake vents within the workspace may be sealed if appropriate. Any unusual background readings will be discussed with NYSDEC and NYSDOH prior to commencement of the work. The CAMP air monitoring stations will be established based on the findings of the pre-construction evaluation and the ventilation system layout.

Air monitoring for VOCs and particulates shall take place during intrusive work activities that take place within the building. The VOC and particulate concentrations shall be collected prior to the start of work each day to obtain a baseline condition of the space for that workday.

VOC concentrations will be monitored using Mini Rae 3000 Photo-ionization detectors (PID) (or equivalent) and Dusttraks (or equivalent) will be used to monitor particulate concentrations. The PIDs and Dusttraks will be calibrated daily in accordance with the instrument manufacturers' instructions; all calibrations will be recorded in Walden's field book. Two (2) air monitoring

stations will be set up at the locations determined during the pre-construction evaluation as detailed above. Each air monitoring station will have a PID and a dust meter connected to a data logger to continuously record the breathing zone VOC and dust concentrations during the work day, from before the work starts until after the last workers leave the area each day.

Walden will record the VOC and dust concentrations at each monitoring station every fifteen minutes (at a minimum) during the work day to ensure that appropriate actions are implemented when needed based on the action levels presented below. In addition, Walden will use a third PID during the work to monitor breathing zone VOC concentrations in the immediate vicinity of the work activities to ensure the workers are protected in accordance with the HASP. Similarly, a multi-gas meter will be used to continually measure the concentrations of hydrogen sulfide, oxygen, lower explosive limit, carbon monoxide and chlorine in the indoor air within the work area.

The air monitoring action levels as stated in the CAMP, including the special requirements are as follows:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds five (5) parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below five (5) ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of five (5) ppm over background but less than twenty-five (25) ppm, work activities must be halted. The source of vapors must be identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can only resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than twenty (20) feet, is below five (5) ppm over background for the 15-minute average.

- If the organic vapor level is above twenty-five (25) ppm at the perimeter of the work area, activities must be shutdown. Work methods and controls will be re-evaluated.

- If total VOC concentrations opposite the walls of occupied tenant spaces or next to intake vents exceed 1 ppm, monitoring will be performed within the occupied spaces. Depending upon the nature of contamination, chemical-specific colorimetric tubes of

sufficient sensitivity may be utilized to compare the exposure point concentrations with appropriate pre-determined response levels (response actions will be pre-determined).

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m^3, work activities shall be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m^3 or less at the monitoring point. If VOC readings exceed 5 parts per million (ppm) in these same locations, work activities shall be suspended. Any exceedances will be documented, and the NYSDEC and NYSDOH will be notified by the end of the same day.

If the action levels for VOCs or dust are exceeded, exhaust fans or other engineering controls may be used on an as-needed basis to create negative air pressure within the work area during the intrusive construction activities. Dust and particulate control measures, such as water misting, may also be implemented to prevent generation of dust and particulate matter during the work activities as needed. Vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices will be considered in order to prevent exposures related to the work activities. If necessary, the work may be scheduled to take place when potentially exposed populations are at a minimum, such as during weekends or evening hours.

All exposed open trenches and excavations will be covered with plastic sheeting at all times when not actively in use and when the Special Requirements CAMP air monitoring in the construction area is not active.

If the VOC or dust concentrations exceed the action criteria at the end of a work day, Walden's oversight staff will remain on-Site to oversee the engineering controls and continue air monitoring until the elevated concentrations dissipate to concentrations below the action levels. VOC and dust concentrations will be documented just before Walden leaves the work area each day. Fans may be left running overnight to ventilate the space as needed.

If Walden's air monitoring staff observes elevated VOC concentrations which occur as a direct result of the on-Site contractor's work (such as the use of certain plumbing compounds), the work will be paused and Walden will review the Safety Data Sheets (SDS) for the commercial products as applicable to determine the chemical components and the respective OSHA permissible exposure levels (PELs, 8-hour time weighted averages), consistent with 29 CFR 1910.1000. If it is confirmed that the VOC concentrations do not exceed the applicable PELs, the on-site personnel may continue to work while engineering controls are utilized to increase ventilation in the work area and reduce VOC concentrations. In this case, the VOC concentrations will be closely monitored outside the work area to confirm that the elevated VOC

concentrations are localized/limited to the immediate work zone and do not migrate from the work space to occupied areas of Building 700 (330D).

CAMP air monitoring will cease when construction permanently covers the sub-slab soils such that they are no longer exposed. CAMP air monitoring reports will be submitted to the State on a weekly basis during the intrusive construction work.

SSDS and **Indoor Air Quality Testing Prior to Tenant Occupancy**
As previously noted, iPark will coordinate with IBM for pre-construction and post-construction SSDS testing to identify any appreciable changes between the pre- and post-construction system performance in effectively depressurizing the slab throughout Building 700 (330D). Existing gaps between the column bases and floor slab in the Phase 2 Crepini expansion space will be addressed when the new Crepini floors are finished as part of the fit up.

Following the completion of the Phase 2 Crepini expansion interior renovation activities, Walden will perform Indoor Air Quality (IAQ) testing in the space prior to tenant occupancy. The testing will be performed in order to assess whether the building modifications have impacted the potential for soil vapor intrusion and associated IAQ impacts, and to confirm that indoor air quality is acceptable in the Crepini expansion space. The IAQ sampling will be conducted in accordance with the procedures detailed in the June 15, 2009 RCRA Facility Investigation (RFI) VOC Source Assessment Work Plan (RFI Work Plan, prepared on behalf of IBM) which was previously approved by NYSDEC. During the IAQ sampling, iPark will ensure that the HVAC system in the Phase 2 Crepini expansion space is operating under the same conditions anticipated during normal operations once the tenant takes occupancy.

The layout of the Phase 2 Crepini expansion space is in development, therefore, details on the proposed IAQ sampling locations, uses within the space (for example, manufacturing, storage, office, etc.), and duration of occupancy will be provided to NYSDEC and NYSDOH for review and approval prior to IAQ sampling.

In addition, one duplicate sample will be collected at one of the sample locations which will be determined in the field. One outdoor ambient air sample will be collected at one of the HVAC unit intakes to assess background conditions and identify any background impacts to IAQ. A field blank will also be collected for analysis by transferring lab-grade nitrogen directly from a compressed gas canister into a Summa® Canister.

All samples will be submitted to Phoenix Labs of Manchester, CT, a NYSDOH ELAP certified laboratory (NYSDOH ELAP #11301) for analysis of VOC analytes via modified Method TO-15 as specified in the June 2009 *RFI Work Plan* to achieve lower reporting limits via selective ion monitoring for TCE, vinyl chloride and carbon tetrachloride. The IAQ data will be evaluated,

validated and presented in a summary report that will be submitted to NYSDEC and NYSDOH for review. Data generated during the Phase 2 Crepini expansion IAQ sampling activities will be shared with IBM.

Upon reviewing the IAQ sampling summary report, NYSDEC and NYSDOH will determine whether Crepini can take occupancy and begin operating in the Phase 2 expansion area. Note that iPark will provide the results of the IAQ sampling to Crepini within 45 days of receiving the validated data.

Reporting

Following the completion of the construction project, a letter summary report shall be prepared and supplied to NYSDEC. The letter report shall include an overview of the activities that took place; a description of the air monitoring activities, results, exceedances (if any) and engineering controls utilized to control VOC and dust concentrations during the work; photo documentation of the work activities; and the final use/disposal of the soil.

If you have any questions or require any additional information, please call (516) 624-7200.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
VP/Senior Project Manager

Kerri Wright
Environmental Scientist

cc: D. Vitija, iPark East Fishkill, LLC
C. Monheit, iPark East Fishkill, LLC

Figure 1 – Site Plan
Figure 2 – Building 700 (330D) First Floor Tenant Spaces
Figure 3 – Phase 2 Crepini Expansion Conceptual Proposed Plumbing Layout

Attachment A – 60-Day Notification (November 5, 2020)
Attachment B – Health and Safety Plan
Attachment C – Community Air Monitoring Plan (Including Special Requirements)
Attachment D – ***Figures from November 2020 Sanborn Head Report***

- ***Figure 3 – Occupancy and Subslab Depressurization System Summary Figure (Shows SSDS Layout)***
- ***Figure 4 – Subslab Pressure Response to Vapor Extraction (Shows Concentrations of PCE Beneath Slab)***

Attachment ***E*** - Building 330D - Crepini Tenant Space Pre-Construction Soil Sampling Summary Report (April 2019)

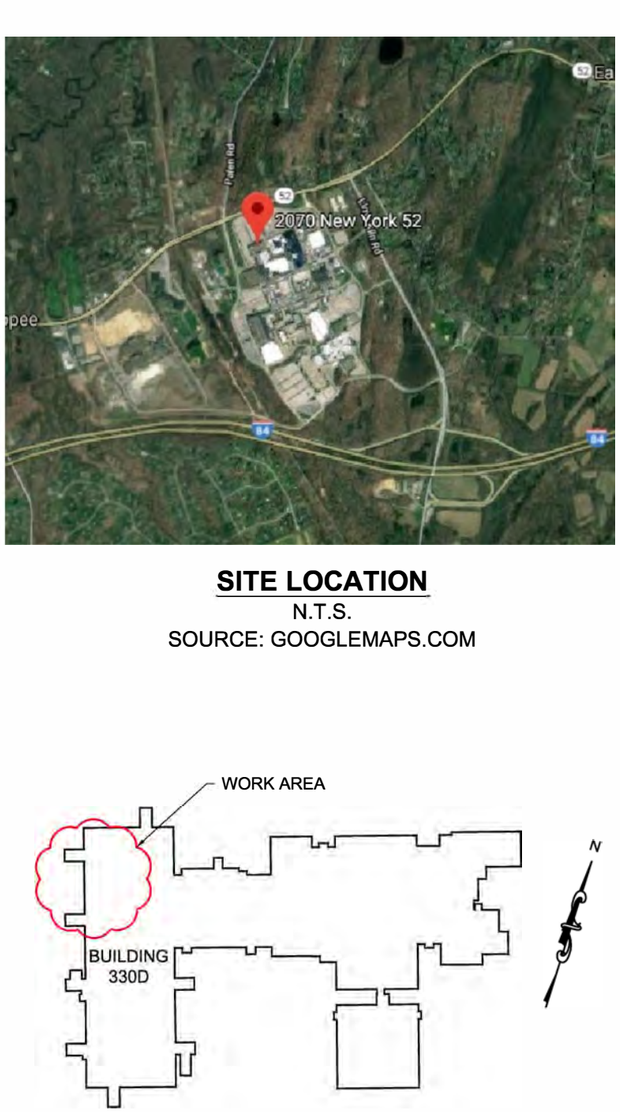
Appendix A- Sub Slab Depressurization System Completion and Startup Report – Building 330D Central & South System by Sanborn Head, November 2020

FIGURE 1
SITE PLAN

SITE LOCATION

N.T.S.

SOURCE: GOOGLEMAPS.COM



BUILDING 700 (330D)

N.T.S.

0 400 800 1600 2400

SCALE: 1"=800'

SITE PLAN

SCALE: 1" = 800'-0"

N

LEGEND

- PROPERTY LINE

SITE BASEMAP: CHAZAN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO. D.P.C. POUGHKEEPSIE, NY (XBASE-SVY_51421-00.DWG 8/10/15); PARCELS: XSUBD_51539-00.DWG.

- UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209 OF NEW YORK STATE EDUCATION LAW.
- COPIES OF THIS PLAN NOT BEARING THE PROFESSIONAL ENGINEER'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
No.	DATE	COMMENTS

FOR: BUILDING 700 (330D) iPark 84 Campus 2070 Route 52 Hopewell Junction, N.Y. 12533		DRAWING TITLE: SITE PLAN BUILDING 700 (330D) CREPINI SPACE		DRAWING NO: 1	ISSUED
DESIGNED BY: NMB	DRAWN BY: LS	JOB NO: IPARK118.33	DATE: 7/19/19 11x17	SHEET NO: 1 OF 2	REVISION NO: 0
APPROVED BY: JMH	SCALE: AS NOTED	CAD FILE NAME: Z:\iPark\0118\Park0118.33 - Crepini IAQACAD\PARK0118.33.dwg			

FIGURE 2
BUILDING 700 (330D) FIRST FLOOR TENANT SPACES

N

Building 700

IBM

CREPINI
New
Space
56,477
SqFT

IES
8,870
sqft

CREPINI
Existing
Space
30,000
sqft

LOADING
DOCKS

Common area
TOTAL for all area
with this color
7,271 SqFt

Extra
Space
Required
from
PAULA
CREPINI
1,162
SqFT

Ipark 84

Crepini 1st floor

Sheet No.:

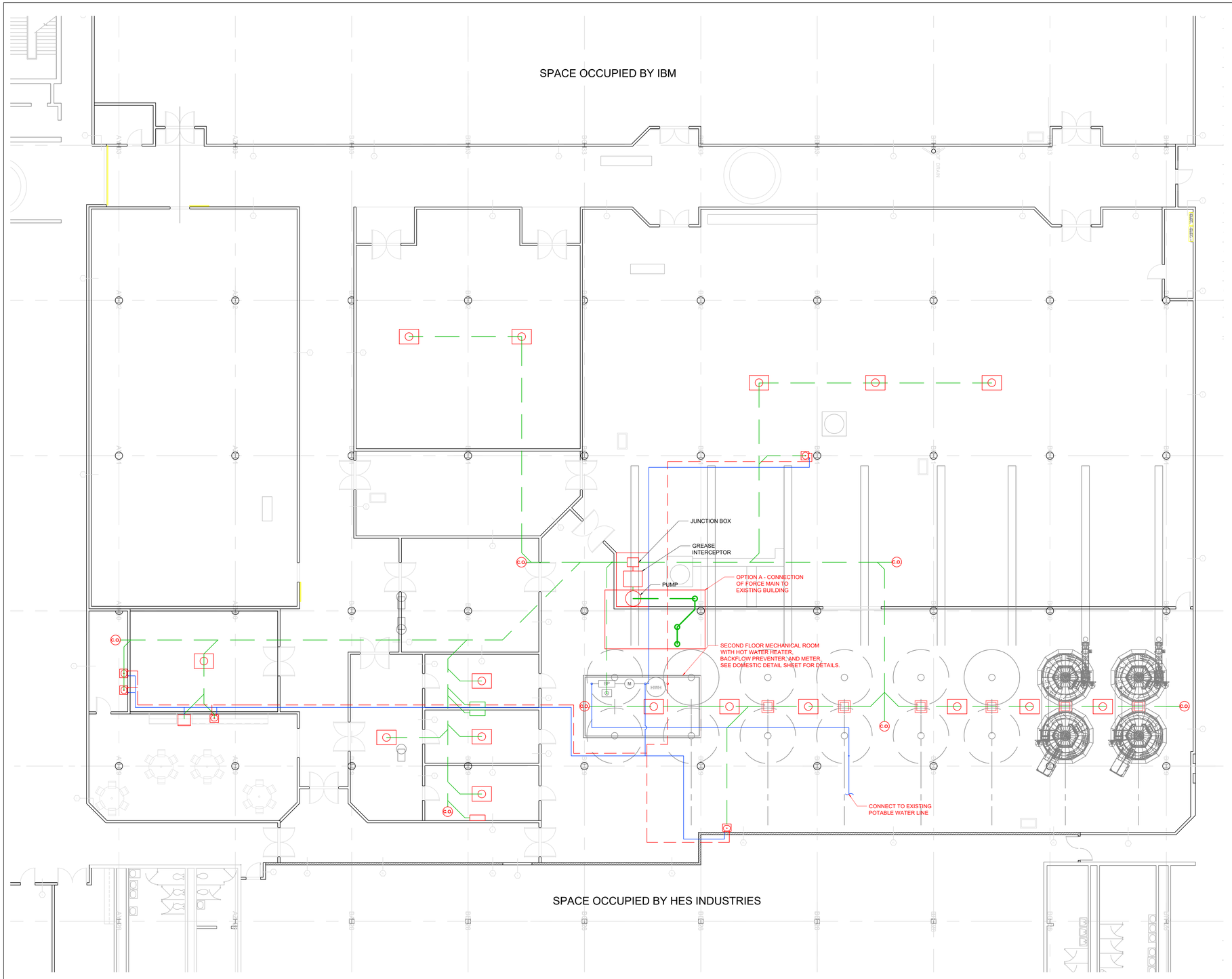
01

Issue Date:

10/22/2020

FIGURE 3

CREPINI PHASE 2 EXPANSION CONCEPTUAL PROPOSED PLUMBING LAYOUT



LEGEND

- NEW SANITARY SEWER LINE (IN FLOOR TRENCH)
- NEW SANITARY FORCE MAIN (IN FLOOR TRENCH)
- NEW DOMESTIC COLD WATER LINE (ABOVE FLOOR)
- NEW DOMESTIC HOT WATER LINE (ABOVE FLOOR)
- DRAIN
- C.O — CLEAN OUT
- HANDWASHING SINK
- MIX ROOM OIL WATER SEPARATOR
- DISHWASHER
- HWH — HOT WATER HEATER
- BP — BACKFLOW PREVENTER AND METER
- SANITARY LIFT STATION AND PIT

CONCEPTUAL PROPOSED PLUMBING PLAN

SCALE:1" = 10'

0 5 10 20 30

SCALE: 1"=10'

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 253-8025; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
NO.	DATE	COMMENTS
0	XX/XX/XX	

DRAFT

LOCATION:
IPARK BUILDING 700 (330D)
700 South Dr. Suite 105
Hopewell Junction, New York 12533

FOR:
IPARK EAST FISHKILL
2070 Route 52
Hopewell Junction, New York 12533

DRAWING TITLE:
CONCEPTUAL PROPOSED PLUMBING PLAN
PHASE 2 CREPINI EXPANSION

DRAWING NO: 3

ISSUED: 1/8/2021

REVISION NO: 0

DESIGNED BY: TTN	DRAWN BY: ALB/RAS	JOB NO: CREP2001	DATE: January 8, 2021	24" x 36"
APPROVED BY: NB	SCALE: AS NOTED	CAD FILE NAME: Z:\Park0118\iPark0118.54 - B700 330D Crepini Expansion\ACAD\Crepini Proposed Plumbing Plan RAS 1-8-21.dwg		

Last Edited By: ewright
Path: P:\2900s\2999.00\Graphics Files\GIS\Figures\B330D\B330D_South Startup Rpt\B330D_SSDS_OccSouth.mxd

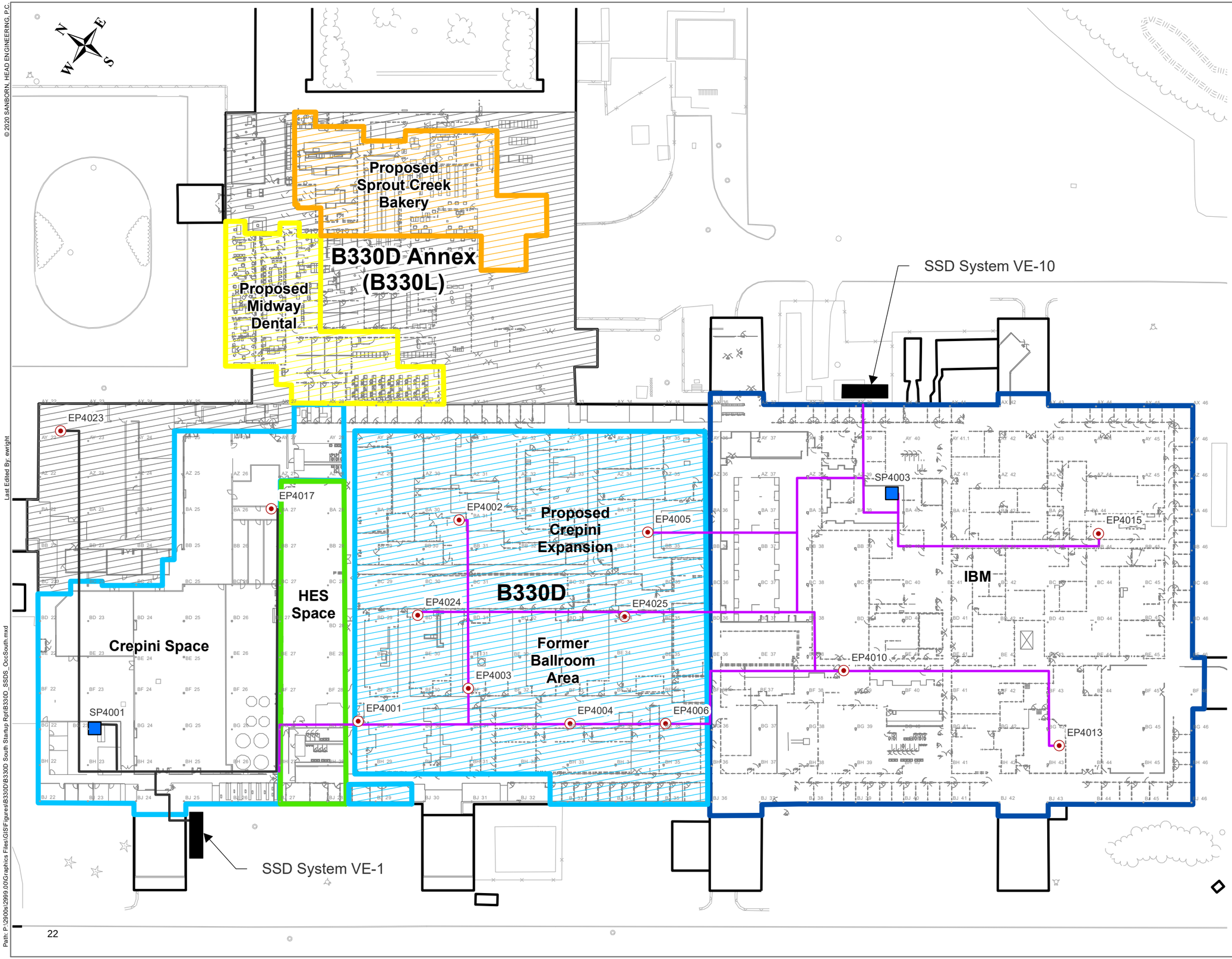


Figure 3

Occupancy and Subslab Depressurization System Summary Figure

Subslab Depressurization Completion and Startup Report - Building 330D Central and South System

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By:	E. Wright
Designed By:	C. Murphy
Reviewed By:	D. Shea
Project No:	2999.19
Date:	November 2020

Figure Narrative

This figure shows the B330D Subslab Depressurization (SSD) System piping installed by IBM, as well as information on occupied areas of the building.

Occupied areas and tenant spaces are based on information provided by iPark, and are current as of November 2020. IBM is to be notified by the building owner when tenants vacate or occupy spaces within the building.

Legend

- Crepini Tenant Space
- IBM Tenant Space
- HES Tenant Space
- Proposed Sprout Creek Bakery
- Proposed Midway Dental
- Unoccupied
- B330D SSD System Piping
- Existing B330D North (VE-1) SSD system piping
- EP4025 — Subslab vapor extraction port connected to the SSDS
- SP4003 — Subslab vapor suction pit connected to the SSDS

30 15 0 30 60 Feet

SANBORN HEAD ENGINEERING

Figure 4

Subslab Pressure Response to Vapor Extraction

Subslab Depressurization Completion and Startup Report - Building 330D Central and South System

Former IBM East Fishkill Facility
Hopewell Junction, New York

Drawn By:	E. Wright
Designed By:	C. Murphy
Reviewed By:	D. Shea
Project No:	2999.19
Date:	November 2020

Figure Narrative

This figure shows the inferred subslab pressure response from the subslab depressurization (SSD) system extracting vapor from from EP4001, EP4002, EP4003, EP4004, EP4005, EP4006, EP4010, EP4013, EP4015, EP4024, EP4025, and SP4003, and the measurements recorded at those extraction points upon startup. The subslab pressure response footprint represents the outer limit of the -0.004 inches of water column differential pressure based on measurements recorded on September 29, 2020.

The differential pressure contours overlay the inferred subslab vapor tetrachloroethene (PCE) concentration isopleths based on subslab vapor samples collected in 2016.

Legend

- Subslab Vapor Monitoring Port
- Subslab Vapor Extraction Port
- Subslab vapor extraction port not connected to an SSD system
- Subslab Vapor Suction Pit
- -0.004 — Differential pressure contour (inches of water column) for VE-10 dashed where inferred
- -0.004 — Differential pressure contour (inches of water column) for System VE-1 dashed where inferred

SP4001	Extraction Port / Suction Pit
in. wc	Applied Vacuum inches of water column (in. wc.)
scfm	Flow Rate (std. cu. ft. per min.)
TVOC	Total VOC concentration (µg/m³)

-0.017 — Observed pressure differential between the subslab and room after SSD start-up (in. wc). Negative values indicate subslab pressure is less than indoor air pressure.

PCE Concentrations in Subslab Vapor (µg/m³) in 2016

- <1,000
- 1,000 - 10,000
- 10,000 - 50,000
- 50,000 - 100,000
- 100,000 - 500,000
- 500,000 - 5,000,000
- >5,000,000

30 15 0 30 60 Feet

SANBORN HEAD ENGINEERING

EP-4002
Applied Vacuum: 49 in. wc
Flow Rate: 35 scfm
TVOC: 10,300 µg/m³

EP-4025
Applied Vacuum: 49 in. wc
Flow Rate: 64 scfm
TVOC: 10,200 µg/m³

EP-4005
Applied Vacuum: 43 in. wc
Flow Rate: 116 scfm
TVOC: 19,500 µg/m³

SP4003
Applied Vacuum: 49 in. wc
Flow Rate: 132 scfm
TVOC: 11,100 µg/m³

EP4015
Applied Vacuum: 48 in. wc
Flow Rate: 13 scfm
TVOC: 17,100 µg/m³

EP4001
Applied Vacuum: 45 in. wc
Flow Rate: 59 scfm
TVOC: 20,100 µg/m³

EP-4024
Applied Vacuum: 48 in. wc
Flow Rate: 5 scfm
TVOC: 1,210 µg/m³

EP4003
Applied Vacuum: 44 in. wc
Flow Rate: 105 scfm
TVOC: 2,910 µg/m³

EP4004
Applied Vacuum: 48 in. wc
Flow Rate: 83 scfm
TVOC: 12,100 µg/m³

EP4006
Applied Vacuum: 46 in. wc
Flow Rate: 35 scfm
TVOC: 34,200 µg/m³

EP4010
Applied Vacuum: 46 in. wc
Flow Rate: 99 scfm
TVOC: 8,480 µg/m³

EP4013
Applied Vacuum: 47 in. wc
Flow Rate: 23 scfm
TVOC: 400 µg/m³

ATTACHMENT *E*

BUILDING 330D - CREPINI TENANT SPACE PRE-CONSTRUCTION
SOIL SAMPLING SUMMARY REPORT (APRIL 2019)

From:	Nora Brew
To:	"LaClair, Jess A (DEC)"; "Kenney, Julia M (HEALTH)"
Cc:	"Mike Buckley"; Carl Monheit; "Dean Chartrand"; "Louis Goldstein"; "Erica Johnston"
Subject:	FW: iPark Building 330D Crepini Pre-Construction Soil Sampling Summary
Date:	Wednesday, May 1, 2019 4:43:58 PM
Attachments:	Pre-Construction Soil Sampling Summary 4.18.19.pdf

Jess,

As discussed this afternoon, the State concurs that the sub-slab soil removed during the Crepini indoor excavation can be used to backfill the trenches or stockpiled for other on-site use based on the analytical results for the pre-construction soil samples which confirm that the concentrations are below the NYSDEC Unrestricted Residential SCOs.

You mentioned that the State intends to compare soil data collected on-site to non-Industrial Use SCOs going forward. Please provide details on which SCOs will be used so we can apply the appropriate values to future on-site soil evaluations.

Thank you,
Nora

NORA M. BREW, P.E.
PROJECT MANAGER

WALDEN ENVIRONMENTAL ENGINEERING
16 SPRING STREET, OYSTER BAY, NEW YORK 11771 (HQ)
OFFICE: (516) 624-7200 (X30) FAX: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

ADDITIONAL LOCATIONS
CAPITAL DISTRICT * HUDSON VALLEY

PROVIDING ENVIRONMENTAL CONSULTING, CIVIL/ENVIRONMENTAL ENGINEERING, AND GEOGRAPHIC INFORMATION SYSTEMS SERVICES SINCE 1995.
WALDEN CONTINUES TO GROW THROUGH REFERRALS FROM CLIENTS AND FRIENDS LIKE YOU

From: Nora Brew <nbrew@Walden-Associates.com>
Sent: Thursday, April 25, 2019 2:22 PM
To: 'LaClair, Jess A (DEC)' <jess.laclair@dec.ny.gov>; 'Kenney, Julia M (HEALTH)' <julia.kenney@health.ny.gov>
Cc: 'Mike Buckley' <mbuckley@nationalresources.com>; 'Carl Monheit' <cmonheit@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>; 'Louis Goldstein' <lgoldstein@walden-associates.com>; 'Erica Johnston' <ejohnston@walden-associates.com>
Subject: FW: iPark Building 330D Crepini Pre-Construction Soil Sampling Summary

Jess and Julia,

National Resources' contractor has completed the slab cutting, concrete removal and excavation work in the Crepini space and is off-site as of 1:00 PM this afternoon. Plastic sheeting has been placed over the trenches and plastic will remain in place while NR waits for delivery of the materials needed to proceed with the floor trench installation. No work on the floor trenches will be performed in the space until Monday (4/29) or Tuesday (4/30) (date contingent on material delivery), when the plumbers will begin installing the pre-fabricated floor trench sections, to be followed by backfilling and concrete restoration. Walden will be on-site to resume the CAMP and HASP monitoring next week before the plumbing work starts up. CAMP and HASP monitoring will

continue until all exposed soils have been covered.

We are compiling the CAMP data collected during the intrusive activities completed thus far and will forward the data sheets to you tomorrow.

Please confirm that the sub-slab soil removed during the excavation can be used to backfill the trenches based on the analytical results for the pre-construction soil samples (April 18th summary letter and data tables re-attached for your reference).

Thanks,
Nora

NORA M. BREW, P.E.
PROJECT MANAGER

WALDEN ENVIRONMENTAL ENGINEERING
16 SPRING STREET, OYSTER BAY, NEW YORK 11771 (HQ)
OFFICE: (516) 624-7200 (X30), FAX: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

ADDITIONAL LOCATIONS
CAPITAL DISTRICT * HUDSON VALLEY

From: Nora Brew <nbrew@Walden-Associates.com>
Sent: Thursday, April 18, 2019 12:06 PM
To: 'LaClair, Jess A (DEC)' <jess.laclair@dec.ny.gov>; 'Kenney, Julia M (HEALTH)' <julia.kenney@health.ny.gov>
Cc: 'Carl Monheit' <cmonheit@nationalresources.com>; 'Mike Buckley' <mbuckley@nationalresources.com>; 'Dean Chartrand' <chartd@us.ibm.com>
Subject: iPark Building 330D Crepini Pre-Construction Soil Sampling Summary

Jess and Julia,

Please see the attached summary of the sub-slab soil samples collected in the Crepini space. Call me if you have any questions.

Nora

NORA M. BREW, P.E.
PROJECT MANAGER

WALDEN ENVIRONMENTAL ENGINEERING
16 SPRING STREET, OYSTER BAY, NEW YORK 11771 (HQ)
OFFICE: (516) 624-7200 (X30), FAX: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

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WALDEN CONTINUES TO GROW THROUGH REFERRALS FROM CLIENTS AND FRIENDS LIKE YOU

WALDEN ENVIRONMENTAL ENGINEERING

Sent via email to jess.laclair@dec.ny.gov

April 18, 2019
iPARK0118.27

Jessica LaClair
Environmental Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Re: iPark 84
Former IBM East Fishkill Facility
Building 330D - Crepini Tenant Space
Pre-Construction Soil Sampling Summary

Dear Ms. LaClair:

Walden Environmental Engineering, PLLC (Walden) has prepared this letter to summarize the results for the pre-construction soil sampling performed at the above referenced facility. National Resources, the owner of iPark Building 330D, has contracted with Highground Industrial to cut the floor slab and excavate soils beneath Building 330D in order to install floor drainage lines to ready the space for the new tenant, Crepini. The trenching activities are anticipated to be completed in April 2019.

Prior to beginning trenching and excavation work, five (5) soil samples were collected in the vicinity of the planned trench lines in order to evaluate contaminant levels in the soil and to characterize exposure risks as well as determine if the soil will be suitable for on-site reuse. It is anticipated that up to 500 feet of trenching will be conducted during this work. The trenches are anticipated to be one foot deep and one foot wide. The estimated volume of soil expected to be generated from this project is approximately 18 cubic yards. The soil sampling was done in accordance with the Draft Interim Site Management Plan and the Building 330D Crepini Space Trenching and Pipe Installation Work Plan ("Work Plan" prepared by Walden, March 2019) approved by NYSDEC and NYSDOH by letter dated April 5, 2019.

Walden and Highground Industrial mobilized to the Site on April 11, 2019 to core drill through the building slab at five (5) locations as shown on Figure 1. The slab thickness was observed to

range between 4.5 and 12.5 inches at the coring locations. Following the coring, a hand auger was utilized to collect five (5) grab samples from the depth interval one to two feet below the bottom of the slab. The soil samples were submitted to Phoenix Environmental Laboratories, Inc. (NYSDOH ELAP #11301) for analysis of NYCRR Part 375-6.8 Volatile Organic Compounds (VOCs) via EPA Method 8260, Semi- Volatile Organic Compounds (SVOCs) via EPA Method 8270, and Metals via EPA Method 6010.

Air monitoring per the approved Community Air Monitoring Plan (CAMP) began before the start of the core drilling and continued throughout the sampling activities. The CAMP monitoring included the operation of two (2) air monitoring stations at pre-approved locations (CAMP-1 and CAMP-2 as shown on Figure 2) to measure particulates using DataRam4000s and VOCs using MiniRae 3000s. Additionally, a hand held MiniRae 3000 (to measure VOC concentrations) and a MultiRae (to measure Carbon Monoxide, Hydrogen Sulfide, Lower Explosive Limit (LEL), Oxygen, and Chlorine) were used in and near the work zone for continuous HASP monitoring. No anomalies or exceedances of any CAMP or HASP action levels for these parameters were observed throughout the soil coring and sampling activities.

Background indoor air readings were taken with the PID and MultiRae in the work area and in other portions of the building outside the work zone before any core drilling work began in the Crepini space. Additional readings were taken after the work was completed. No anomalies or action level exceedances were observed. When the soil samples were screened for VOCs using a PID, VOCs were only detected [at a concentration of 0.4 parts per million (ppm)] in the sample from the first core location (SP-01); VOCs were not detected when screening the samples from the other four (4) locations.

The laboratory analytical results are summarized and compared to the NYCRR Part 375-6.8(b) industrial use Soil Cleanup Objectives (SCOs) in the attached table. The laboratory report is presented in Attachment 1. None of the soil sampling results exceeded the applicable Industrial Use SCOs. All of the results were below the Restricted Residential Use SCOs as well. Based on the State-approved Work Plan, the laboratory analytical results for these soil samples confirm that soil removed during the trenching and floor drain installation work in the Crepini space is suitable for use in backfilling the trenches or for transfer to Lot 3 where it will be stockpiled for future re-use on-site. No additional soil samples will be collected for laboratory analysis unless evidence of impacted soil is observed during the work (based on CAMP and HASP air monitoring and visual/olfactory evidence) as the intrusive activities continue, in which case Walden will inform NYSDEC and NYSDOH.

Please call me at (516) 624-7200 if you have any questions or need any additional information.

WALDEN ENVIRONMENTAL ENGINEERING

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
Senior Project Manager

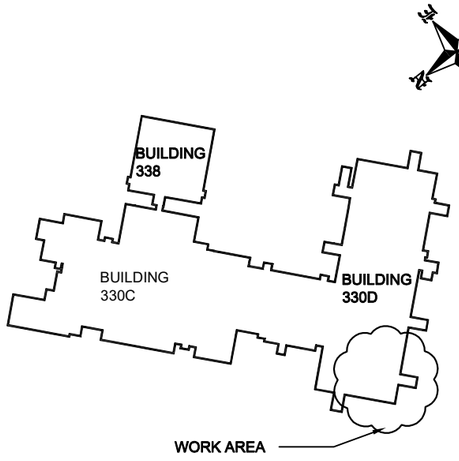
Attachments

cc: J. Kenney, NYSDOH
C. Monheit, National Resources
M. Buckley, National Resources
D. Chartrand, IBM

Z:\iPark0118\iPark0118.27 - Bldg 330D Crepini Sampling Monitoring\Subslab Soil Sampling Lab Report\Pre-Construction Soil Sampling Summary 4.18.19.doc

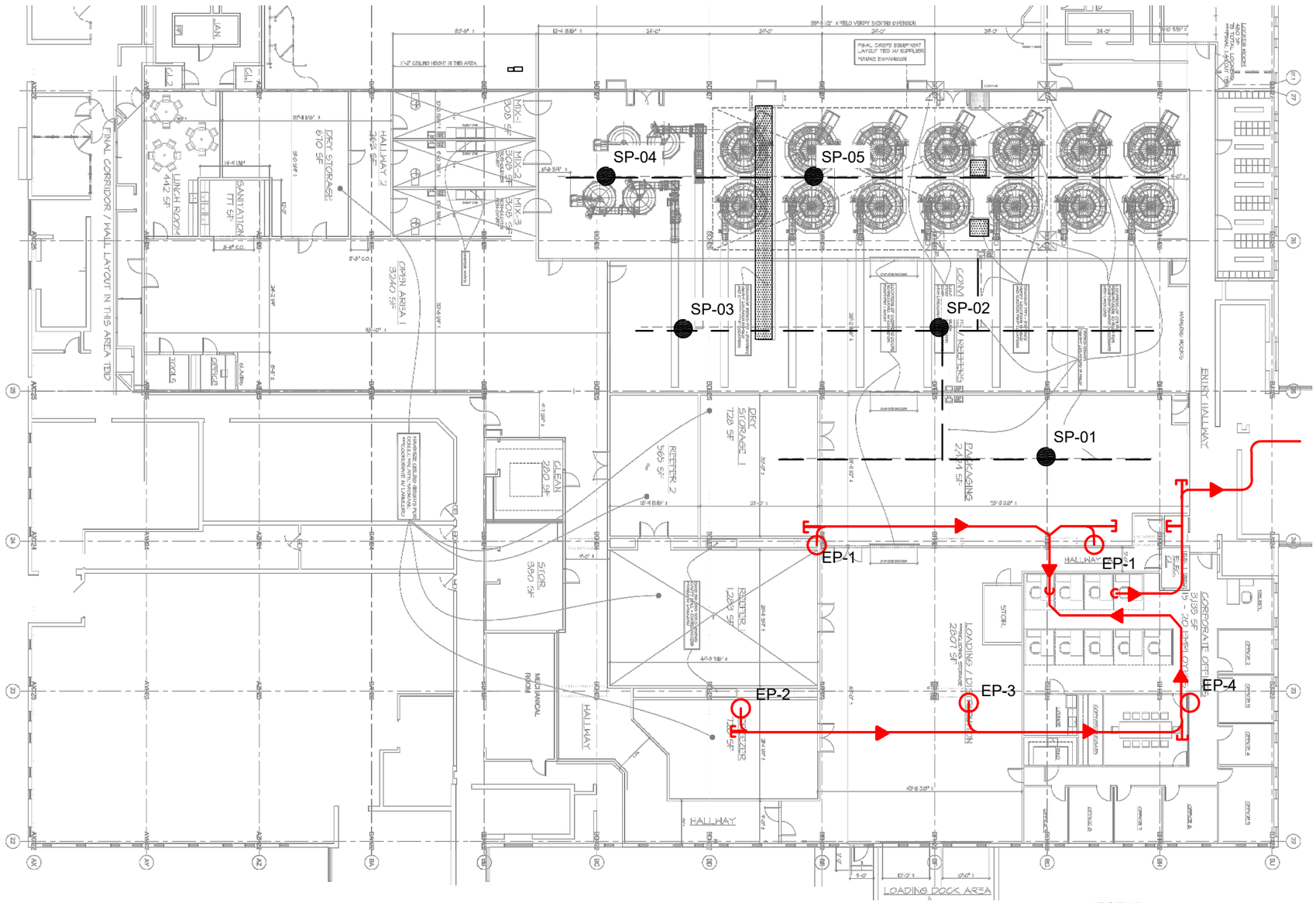
FIGURE 1

PRE-CONSTRUCTION SOIL SAMPLING LOCATIONS



BUILDING 330D (ROTATED)

NOT TO SCALE



SOURCE: ANTHONY TOTILO ARCHITECTS AND ASSOCIATES, 114 OLD NORTH STAMFORD ROAD, STAMFORD, CONNECTICUT 06905, "CREPINI @ IPARK84 BUILDING 330D, FLOOR PLAN (DESIGN DEV.)"
SANBORN HEAD ENGINEERING, "BUILDING 330D 80K AREA SUBSLAB VAPOR EXTRACTION AND TREATMENT SYSTEM VESSEL RELOCATION IBM EAST FISHKILL, SYSTEM LAYOUT"

PRE-CONSTRUCTION SUB-SLAB SOIL SAMPLING LOCATIONS

NOT TO SCALE

LEGEND:

- EXISTINGSUB-SLAB VAPOR EXTRACTION SYSTEM PIPING
- EP-# EXISTING SUB-SLAB EXTRACTION PORT
- PROPOSED FLOOR TRENCH/ DRAINAGE LINE
- EXISTING FLOOR DRAINAGE STRUCTURES
- SP-# PRE-CONSTRUCTION SUB-SLAB SOIL SAMPLING LOCATIONS

Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 745-0888; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

NO	DATE	REVISION COMMENTS

FOR: NATIONAL RESOURCES
iPARK CAMPUS
2070 Route 52
Hopewell Junction, New York

DRAWING TITLE: **PRE-CONSTRUCTION SUB-SLAB SOIL SAMPLING LOCATIONS**
BUILDING 330D
CREPINI TRENCHING/ DRAINAGE WORK

DRAWING NO: 1

ISSUED

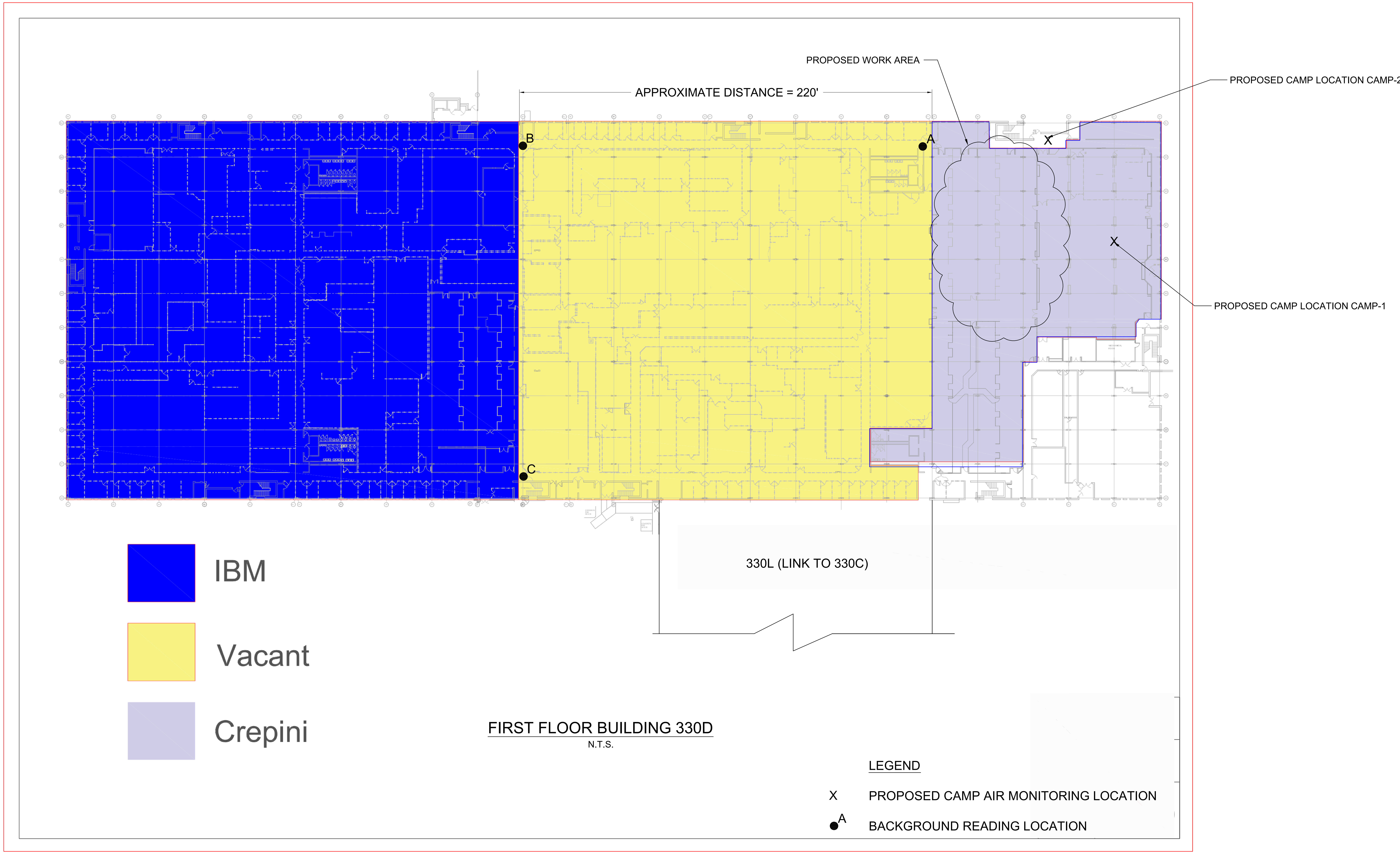
DESIGNED BY: NB/EJK | DRAWN BY: EJK | JOB NO: iPARK0118.26 | DATE: 04/18/2019 | 11x17 | SHEET NO: 2 OF 2

APPROVED BY: | SCALE: AS NOTED

CAD FILE NAME: Z:\iPark0118\iPark0118.26 - Bldg 330D Crepini Work Plan\ACAD\TrenchingDrainage Sampling Locations.dwg

FIGURE 2

NYSDEC/NYSDOH-APPROVED CAMP AIR MONITORING LOCATIONS



Walden Environmental Engineering

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
IPARK 84 CAMPUS, 200 NORTH DRIVE, SUITE #108
HOPEWELL JUNCTION, NEW YORK 12533
P: (845) 745-0888; (516) 624-7200
F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

REVISION		
NO.	DATE	COMMENTS

LOCATION:
iPARK CAMPUS
2070 ROUTE 52
HOPEWELL JUNCTION, NEW YORK

FOR:
BUILDING 330D
iPARK CAMPUS

DRAWING TITLE:
FIRST FLOOR BACKGROUND (PRE-CONSTRUCTION) SAMPLING LOCATIONS & PROPOSED CAMP MONITORING LOCATIONS
BUILDING 330D CREPINI TRENCHING/ DRAINAGE WORK

DRAWING NO: 2

ISSUED

REVISION NO: 0

DESIGNED BY: EJK
DRAWN BY: EJK
APPROVED BY: JMH
SCALE: AS NOTED
JOB NO: iPARK0118.27
DATE: April 9, 2019
SHEET NO: 1 OF 2
24" x 36"
CAD FILE NAME:

APPENDIX A
SHPC LIMITATIONS

1. The observations and conclusions described in this report are based in part on the data obtained from a finite number of samples from widely spaced locations. The figures are intended to depict inferred conditions during a given period of time, consistent with available information. The actual conditions will vary from that shown, both spatially and temporally. Other interpretations are possible. The nature and extent of variations between sampling locations may not become evident until further investigation is initiated. If variations or other latent conditions then appear evident, it may be necessary to re-evaluate the conclusions of this report.

2. The conclusions contained in this report are based in part upon various types of chemical data as well as historical and hydrogeologic information developed by previous investigators. While SHPC has reviewed that data available to us at the time the report was prepared and information as stated in this report, any of SHPC's interpretations and conclusions that have relied on that information will be contingent on its validity. SHPC has not performed an independent assessment of the reliability of the data; should additional chemical data, historical information, or hydrogeologic information become available in the future, such information should be reviewed by SHPC and the interpretations and conclusions presented herein may be modified accordingly.

3. Sampling and quantitative laboratory testing was performed by others as part of the investigation as noted within the report. Where such analyses have been conducted by an outside laboratory, unless otherwise stated in the report, SHPC has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these data. It must be noted that additional compounds not searched for during the current study may be present in vapor and indoor air at the site. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their distribution within the vapor and indoor air may occur due to the passage of time, seasonal water table fluctuations, recharge events, and other factors.

4. This report has been prepared for the use of the IBM Corporation for specific application to the former IBM East Fishkill facility in accordance with generally accepted hydrogeologic and engineering practices. No warranty, expressed or implied, is made. The contents of this report should not be relied on by any other party without the express written consent of SHPC.

5. In preparing this report, SHPC has endeavored to conform to generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area. SHPC has attempted to observe a degree of care and skill generally exercised by the technical community under similar circumstances and conditions.

APPENDIX B

SUMMARY OF HVAC OPERATING CONDITIONS

Table B.1
Summary of HVAC Setting - B330D
Former IBM East Fishkill Facility
Hopewell Junction, NY

HVAC Unit	Area Served	Operating Conditions	
		ON/OFF	OA Damper Position (% Open)
AC-6A2	Offices	ON	0%
AC-8-2	Labs and Offices	ON	65-100%
AC-12	Offices/Unoccupied Labs	OFF	NA
AC-13	Offices/Unoccupied Labs	ON	40%
AC-15	Labs and Offices	ON	30%
AC-25	Lobbies (B330L)	ON	10%
AC-60	Cleaning Personnel/ Unoccupied Area (B330L)	ON	100%
AC-61	Unoccupied (B330L)	OFF	NA
AC-71	Unoccupied Tool Shop	OFF	NA
AC-72,82	Crepini Space	Units removed	NA
AC-79	Unoccupied Lab	ON	100%
AC-83	Lab and Unoccupied Lab	ON	Not Visible
AC-5B2	Labs/Unoccupied Lab/Former Ballroom	ON	100%
AC-6B1	HES Semi-Conductor Manufacturing Space	ON	Not Visible
Recirculation Unit	HES Semi-Conductor Manufacturing Space	ON	NA (All Return Air)
Multiple Recirculation Units	Crepini	ON	NA (All Return Air)
MAU	Crepini	NR	100%
MAU	Crepini	NR	100%
MAU	Crepini	NR	100%

Notes:
1. HVAC operating conditions were observed by Sanborn Head on September 29, 2020. Damper positions should be considered approximate.
2. Abbreviations
OA = Outside air
RA = Return air
MAU = Makeup air unit
NA = Not Applicable
NR = Not Reported
3. Refer to Figure B.1 for HVAC zone locations.

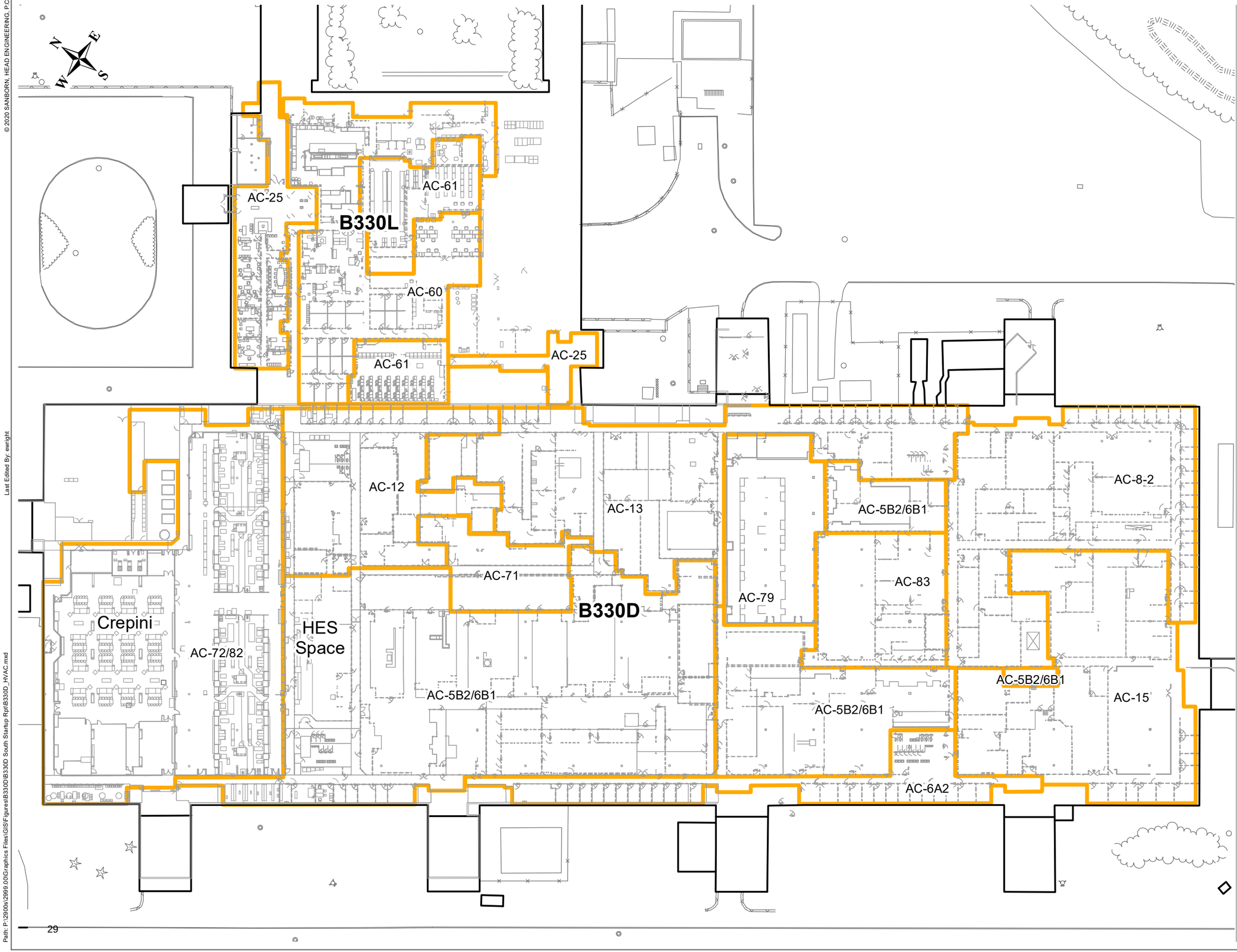


Figure B.1

HVAC Zones

Subslab Depressurization Completion and Startup Report - Buiding 330D Central and South System

Former IBM East Fishkill Facility

Hopewell Junction, New York

Drawn By:	E. Wright
Designed By:	C. Murphy
Reviewed By:	D. Shea
Project No:	2999.19
Date:	November 2020

Figure Narrative

This figure shows the approximate layout of the heating, ventilation, and air conditioning (HVAC) zones and units.

Legend

AC-83 — HVAC Zone and Designation

30 15 0 30 60 Feet

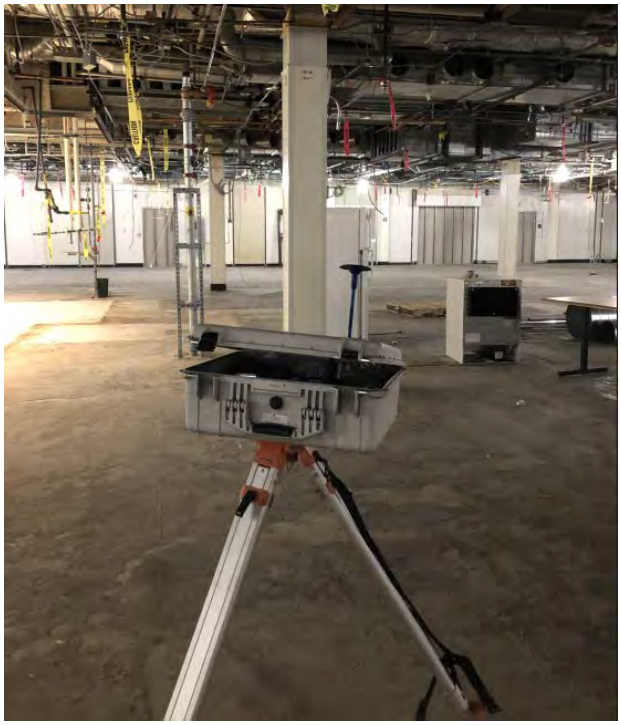
SANBORN HEAD ENGINEERING

APPENDIX C
SITE PHOTOGRAPHS

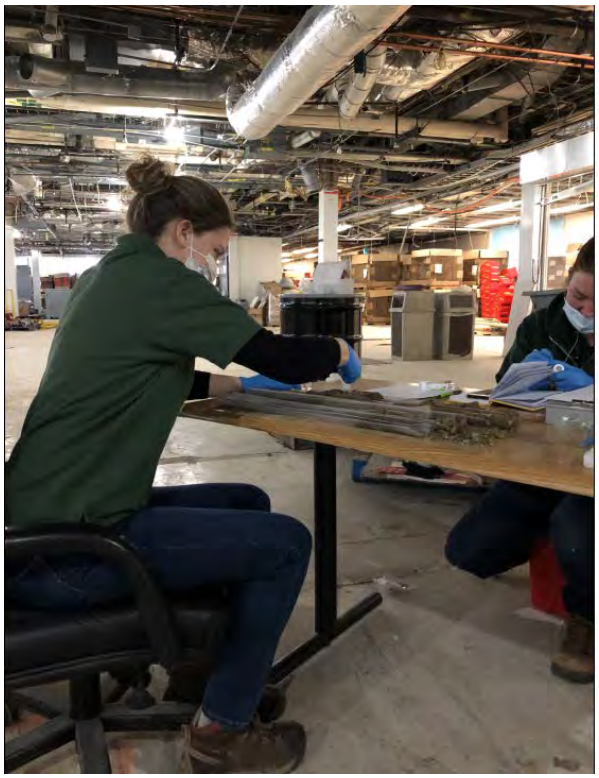
Site Photographs
Building 700 (330D) Crepini Expansion Space, February 4, 2021

Photograph 1
CAMP Station #1- located between Columns AX-28 and AY-28

Photograph 2
CAMP Station #2 -located at Column BD-33



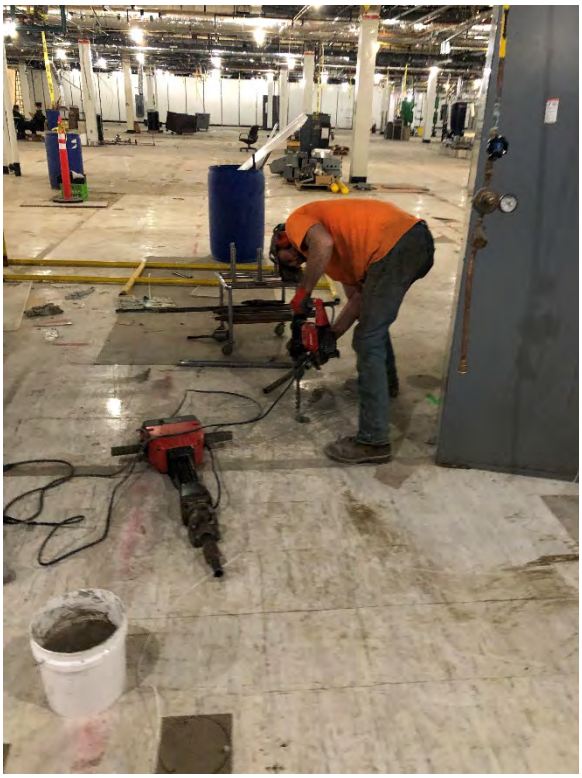
Photograph 3
Soil Sampling



Photograph 4
GPR Utility Markout

Photograph 5
Soil Samples

Photograph 6
Lakewood Drilling



APPENDIX D
LABORATORY ANALYTICAL RESULTS

PHOENIX
Environmental Laboratories, Inc.

Tuesday, February 16, 2021

Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Project ID: **CREPINI EXPANSION**
SDG ID: **GCH57715**
Sample ID#s: CH57715 - CH57718, CH57723 - CH57724

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

February 16, 2021

SDG I.D.: GCH57715

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Voa analysis was added to On hold samples CH57723 and CH57724.

Version 3: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

February 16, 2021

SDG I.D.: GCH57715

Project ID: CREPINI EXPANSION

Client Id	Lab Id	Matrix
TP-2 (0-1)	CH57715	SOIL
TP-2 (2-3)	CH57716	SOIL
TP-3 (0-1)	CH57717	SOIL
TP-3 (5-6)	CH57718	SOIL
TP-1 (0-1)	CH57723	SOIL
TP-1 (7-8)	CH57724	SOIL

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 16, 2021

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/21	9:45
Location Code:	WALDENE-IPARK	Received by:	SW	02/05/21	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.54				

Laboratory Data

SDG ID: GCH57715
Phoenix ID: CH57715

Project ID: CREPINI EXPANSION
Client ID: TP-2 (0-1)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Hexanone	ND	26	5.3	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	1
4-Chlorotoluene	ND	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	26	5.3	ug/Kg	1	02/06/21	JLI	SW8260C	

Project ID: CREPINI EXPANSION
Client ID: TP-2 (0-1)

Phoenix I.D.: CH57715

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	130	S	26	5.3	ug/Kg	1	02/06/21	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Benzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Bromobenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Bromochloromethane	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Bromodichloromethane	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Bromoform	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Bromomethane	ND		5.3	2.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Carbon Disulfide	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Carbon tetrachloride	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Chlorobenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Chloroethane	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Chloroform	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Chloromethane	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Dibromochloromethane	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Dibromomethane	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Ethylbenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Hexachlorobutadiene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Isopropylbenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
m&p-Xylene	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Methyl Ethyl Ketone	ND		32	5.3	ug/Kg	1	02/06/21	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Methylene chloride	ND		5.3	5.3	ug/Kg	1	02/06/21	JLI	SW8260C	
Naphthalene	31	J	150	29	ug/Kg	50	02/06/21	JLI	SW8260C	
n-Butylbenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
n-Propylbenzene	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
o-Xylene	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
p-Isopropyltoluene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
sec-Butylbenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Styrene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
tert-Butylbenzene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Tetrachloroethene	500		150	29	ug/Kg	50	02/06/21	JLI	SW8260C	
Tetrahydrofuran (THF)	4.4	J	11	2.6	ug/Kg	1	02/06/21	JLI	SW8260C	
Toluene	0.59	J	5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.6	ug/Kg	1	02/06/21	JLI	SW8260C	
Trichloroethene	22	J	150	15	ug/Kg	50	02/06/21	JLI	SW8260C	
Trichlorofluoromethane	ND		5.3	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
Vinyl chloride	ND		5.3	0.53	ug/Kg	1	02/06/21	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	99				%	1	02/06/21	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	02/06/21	JLI	70 - 130 %	
% Dibromofluoromethane	36				%	1	02/06/21	JLI	70 - 130 %	3
% Toluene-d8	98				%	1	02/06/21	JLI	70 - 130 %	

Ver 2

Project ID: CREPINI EXPANSION
Client ID: TP-2 (0-1)

Phoenix I.D.: CH57715

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4 (50x)	99			%	50	02/06/21	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	95			%	50	02/06/21	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	94			%	50	02/06/21	JLI	70 - 130 %	
% Toluene-d8 (50x)	97			%	50	02/06/21	JLI	70 - 130 %	
Field Extraction	Completed					02/04/21		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

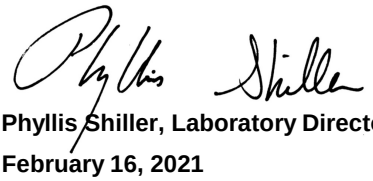
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
Poor surrogate recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
February 16, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 16, 2021

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/21	9:45
Location Code:	WALDENE-IPARK	Received by:	SW	02/05/21	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.54				

Laboratory Data

SDG ID: GCH57715
Phoenix ID: CH57716

Project ID: CREPINI EXPANSION
Client ID: TP-2 (2-3)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloropropene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromoethane	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloroethane	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloropropane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichloropropane	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
2,2-Dichloropropane	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Chlorotoluene	ND	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Hexanone	ND	19	3.8	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Isopropyltoluene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	1
4-Chlorotoluene	ND	3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	19	3.8	ug/Kg	1	02/06/21	JLI	SW8260C	

Project ID: CREPINI EXPANSION
Client ID: TP-2 (2-3)

Phoenix I.D.: CH57716

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	8.9	JS	19	3.8	ug/Kg	1	02/06/21	JLI	SW8260C
Acrylonitrile	ND		7.5	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Benzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Bromobenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Bromochloromethane	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Bromodichloromethane	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Bromoform	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Bromomethane	ND		3.8	1.5	ug/Kg	1	02/06/21	JLI	SW8260C
Carbon Disulfide	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Carbon tetrachloride	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Chlorobenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Chloroethane	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Chloroform	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Chloromethane	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Dibromochloromethane	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Dibromomethane	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Dichlorodifluoromethane	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Ethylbenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Hexachlorobutadiene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Isopropylbenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
m&p-Xylene	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Methyl Ethyl Ketone	ND		23	3.8	ug/Kg	1	02/06/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		7.5	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Methylene chloride	ND		3.8	3.8	ug/Kg	1	02/06/21	JLI	SW8260C
Naphthalene	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
n-Butylbenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
n-Propylbenzene	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
o-Xylene	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
p-Isopropyltoluene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
sec-Butylbenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Styrene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
tert-Butylbenzene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Tetrachloroethene	0.83	J	3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND		7.5	1.9	ug/Kg	1	02/06/21	JLI	SW8260C
Toluene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		7.5	1.9	ug/Kg	1	02/06/21	JLI	SW8260C
Trichloroethene	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Trichlorofluoromethane	ND		3.8	0.75	ug/Kg	1	02/06/21	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
Vinyl chloride	ND		3.8	0.38	ug/Kg	1	02/06/21	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	02/06/21	JLI	70 - 130 %
% Bromofluorobenzene	96				%	1	02/06/21	JLI	70 - 130 %
% Dibromofluoromethane	96				%	1	02/06/21	JLI	70 - 130 %
% Toluene-d8	98				%	1	02/06/21	JLI	70 - 130 %

Project ID: CREPINI EXPANSION
Client ID: TP-2 (2-3)

Phoenix I.D.: CH57716

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					02/04/21		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 16, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 16, 2021

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/21	11:30
Location Code:	WALDENE-IPARK	Received by:	SW	02/05/21	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.54				

Laboratory Data

SDG ID: GCH57715
Phoenix ID: CH57717

Project ID: CREPINI EXPANSION
Client ID: TP-3 (0-1)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloropropene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromoethane	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichloropropane	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
2,2-Dichloropropane	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Chlorotoluene	ND	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Hexanone	ND	27	5.4	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	1
4-Chlorotoluene	ND	5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	02/06/21	JLI	SW8260C	

Project ID: CREPINI EXPANSION
Client ID: TP-3 (0-1)

Phoenix I.D.: CH57717

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	34	S	27	5.4	ug/Kg	1	02/06/21	JLI	SW8260C
Acrylonitrile	ND		11	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Benzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Bromobenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Bromochloromethane	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Bromodichloromethane	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Bromoform	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Bromomethane	ND		5.4	2.1	ug/Kg	1	02/06/21	JLI	SW8260C
Carbon Disulfide	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Carbon tetrachloride	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Chlorobenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Chloroethane	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Chloroform	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Chloromethane	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Dibromochloromethane	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Dibromomethane	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Dichlorodifluoromethane	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Ethylbenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Hexachlorobutadiene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Isopropylbenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
m&p-Xylene	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Methyl Ethyl Ketone	ND		32	5.4	ug/Kg	1	02/06/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Methylene chloride	ND		5.4	5.4	ug/Kg	1	02/06/21	JLI	SW8260C
Naphthalene	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
n-Butylbenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
n-Propylbenzene	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
o-Xylene	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
p-Isopropyltoluene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
sec-Butylbenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Styrene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
tert-Butylbenzene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Tetrachloroethene	2.2	J	5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND		11	2.7	ug/Kg	1	02/06/21	JLI	SW8260C
Toluene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		11	2.7	ug/Kg	1	02/06/21	JLI	SW8260C
Trichloroethene	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Trichlorofluoromethane	ND		5.4	1.1	ug/Kg	1	02/06/21	JLI	SW8260C
Trichlorotrifluoroethane	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
Vinyl chloride	ND		5.4	0.54	ug/Kg	1	02/06/21	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100				%	1	02/06/21	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	02/06/21	JLI	70 - 130 %
% Dibromofluoromethane	81				%	1	02/06/21	JLI	70 - 130 %
% Toluene-d8	99				%	1	02/06/21	JLI	70 - 130 %

Project ID: CREPINI EXPANSION
Client ID: TP-3 (0-1)

Phoenix I.D.: CH57717

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					02/04/21		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

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Phyllis Shiller, Laboratory Director
February 16, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 16, 2021

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/21	11:30
Location Code:	WALDENE-IPARK	Received by:	SW	02/05/21	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.54				

Laboratory Data

SDG ID: GCH57715
Phoenix ID: CH57718

Project ID: CREPINI EXPANSION
Client ID: TP-3 (5-6)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloroethene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,1-Dichloropropene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dibromoethane	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloroethane	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,2-Dichloropropane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
1,3-Dichloropropane	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
2,2-Dichloropropane	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Chlorotoluene	ND	3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Hexanone	ND	19	3.7	ug/Kg	1	02/06/21	JLI	SW8260C	
2-Isopropyltoluene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	1
4-Chlorotoluene	ND	3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	19	3.7	ug/Kg	1	02/06/21	JLI	SW8260C	

Project ID: CREPINI EXPANSION
Client ID: TP-3 (5-6)

Phoenix I.D.: CH57718

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	5.5	JS	19	3.7	ug/Kg	1	02/06/21	JLI	SW8260C
Acrylonitrile	ND		7.4	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Benzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Bromobenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Bromochloromethane	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Bromodichloromethane	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Bromoform	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Bromomethane	ND		3.7	1.5	ug/Kg	1	02/06/21	JLI	SW8260C
Carbon Disulfide	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Carbon tetrachloride	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Chlorobenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Chloroethane	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Chloroform	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Chloromethane	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Dibromochloromethane	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Dibromomethane	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Dichlorodifluoromethane	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Ethylbenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Hexachlorobutadiene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Isopropylbenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
m&p-Xylene	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Methyl Ethyl Ketone	ND		22	3.7	ug/Kg	1	02/06/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		7.4	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Methylene chloride	ND		3.7	3.7	ug/Kg	1	02/06/21	JLI	SW8260C
Naphthalene	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
n-Butylbenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
n-Propylbenzene	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
o-Xylene	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
p-Isopropyltoluene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
sec-Butylbenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Styrene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
tert-Butylbenzene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Tetrachloroethene	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND		7.4	1.9	ug/Kg	1	02/06/21	JLI	SW8260C
Toluene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		7.4	1.9	ug/Kg	1	02/06/21	JLI	SW8260C
Trichloroethene	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Trichlorofluoromethane	ND		3.7	0.74	ug/Kg	1	02/06/21	JLI	SW8260C
Trichlorotrifluoroethane	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
Vinyl chloride	ND		3.7	0.37	ug/Kg	1	02/06/21	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	02/06/21	JLI	70 - 130 %
% Bromofluorobenzene	97				%	1	02/06/21	JLI	70 - 130 %
% Dibromofluoromethane	96				%	1	02/06/21	JLI	70 - 130 %
% Toluene-d8	99				%	1	02/06/21	JLI	70 - 130 %

Ver 2

Project ID: CREPINI EXPANSION
Client ID: TP-3 (5-6)

Phoenix I.D.: CH57718

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					02/04/21		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
February 16, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 16, 2021

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/21	15:50
Location Code:	WALDENE-IPARK	Received by:	SW	02/05/21	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.54				

Laboratory Data

SDG ID: GCH57715
Phoenix ID: CH57723

Project ID: CREPINI EXPANSION
Client ID: TP-1 (0-1)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,1,1-Trichloroethane	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,1,2-Trichloroethane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,1-Dichloroethane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,1-Dichloroethene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,1-Dichloropropene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2,3-Trichloropropane	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2-Dibromoethane	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2-Dichloroethane	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,2-Dichloropropane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,3-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
1,3-Dichloropropane	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
1,4-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
2,2-Dichloropropane	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
2-Chlorotoluene	ND	4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C	
2-Hexanone	ND	23	4.7	ug/Kg	1	02/16/21	JLI	SW8260C	
2-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	1
4-Chlorotoluene	ND	4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C	
4-Methyl-2-pentanone	ND	23	4.7	ug/Kg	1	02/16/21	JLI	SW8260C	

Project ID: CREPINI EXPANSION
Client ID: TP-1 (0-1)

Phoenix I.D.: CH57723

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	26	S	23	4.7	ug/Kg	1	02/16/21	JLI	SW8260C
Acrylonitrile	ND		9.3	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Benzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Bromobenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Bromochloromethane	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Bromodichloromethane	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Bromoform	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Bromomethane	ND		4.7	1.9	ug/Kg	1	02/16/21	JLI	SW8260C
Carbon Disulfide	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Carbon tetrachloride	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Chlorobenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Chloroethane	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Chloroform	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Chloromethane	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
cis-1,2-Dichloroethene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
cis-1,3-Dichloropropene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Dibromochloromethane	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Dibromomethane	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Dichlorodifluoromethane	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Ethylbenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Hexachlorobutadiene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Isopropylbenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
m&p-Xylene	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Methyl Ethyl Ketone	ND		28	4.7	ug/Kg	1	02/16/21	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND		9.3	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Methylene chloride	ND		4.7	4.7	ug/Kg	1	02/16/21	JLI	SW8260C
Naphthalene	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
n-Butylbenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
n-Propylbenzene	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
o-Xylene	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
p-Isopropyltoluene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
sec-Butylbenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Styrene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
tert-Butylbenzene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Tetrachloroethene	460		280	57	ug/Kg	50	02/16/21	JLI	SW8260C
Tetrahydrofuran (THF)	ND		9.3	2.3	ug/Kg	1	02/16/21	JLI	SW8260C
Toluene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
trans-1,2-Dichloroethene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
trans-1,3-Dichloropropene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND		9.3	2.3	ug/Kg	1	02/16/21	JLI	SW8260C
Trichloroethene	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Trichlorofluoromethane	ND		4.7	0.93	ug/Kg	1	02/16/21	JLI	SW8260C
Trichlorotrifluoroethane	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
Vinyl chloride	ND		4.7	0.47	ug/Kg	1	02/16/21	JLI	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98				%	1	02/16/21	JLI	70 - 130 %
% Bromofluorobenzene	95				%	1	02/16/21	JLI	70 - 130 %
% Dibromofluoromethane	90				%	1	02/16/21	JLI	70 - 130 %
% Toluene-d8	96				%	1	02/16/21	JLI	70 - 130 %

Project ID: CREPINI EXPANSION
Client ID: TP-1 (0-1)

Phoenix I.D.: CH57723

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4 (50x)	97			%	50	02/16/21	JLI	70 - 130 %	
% Bromofluorobenzene (50x)	94			%	50	02/16/21	JLI	70 - 130 %	
% Dibromofluoromethane (50x)	91			%	50	02/16/21	JLI	70 - 130 %	
% Toluene-d8 (50x)	97			%	50	02/16/21	JLI	70 - 130 %	
Field Extraction	Completed					02/04/21		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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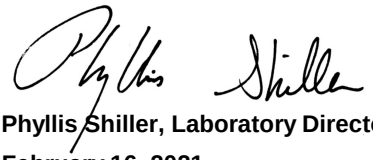


Phyllis Shiller, Laboratory Director
February 16, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 16, 2021

FOR: Attn: Erica Johnston
Walden Environmental Engineering PLLC
16 Spring Street
Oyster Bay, NY 11771

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		02/04/21	15:50
Location Code:	WALDENE-IPARK	Received by:	SW	02/05/21	16:16
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	IPARK0118.54				

Laboratory Data

SDG ID: GCH57715
Phoenix ID: CH57724

Project ID: CREPINI EXPANSION
Client ID: TP-1 (7-8)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	02/11/21	HM	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	1
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	02/11/21	HM	SW8260C	

Project ID: CREPINI EXPANSION
Client ID: TP-1 (7-8)

Phoenix I.D.: CH57724

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acetone	26	S	25	5.0	ug/Kg	1	02/11/21	HM	SW8260C
Acrylonitrile	ND		10	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Benzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Bromobenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Bromochloromethane	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Bromodichloromethane	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Bromoform	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Bromomethane	ND		5.0	2.0	ug/Kg	1	02/11/21	HM	SW8260C
Carbon Disulfide	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Carbon tetrachloride	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Chlorobenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Chloroethane	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Chloroform	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Chloromethane	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
cis-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Dibromochloromethane	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Dibromomethane	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Dichlorodifluoromethane	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Ethylbenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Hexachlorobutadiene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Isopropylbenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
m&p-Xylene	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Methyl Ethyl Ketone	ND		30	5.0	ug/Kg	1	02/11/21	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Methylene chloride	ND		5.0	5.0	ug/Kg	1	02/11/21	HM	SW8260C
Naphthalene	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
n-Butylbenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
n-Propylbenzene	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
o-Xylene	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
p-Isopropyltoluene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
sec-Butylbenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Styrene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
tert-Butylbenzene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Tetrachloroethene	86	J	270	54	ug/Kg	50	02/11/21	HM	SW8260C
Tetrahydrofuran (THF)	ND		10	2.5	ug/Kg	1	02/11/21	HM	SW8260C
Toluene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
trans-1,2-Dichloroethene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
trans-1,4-dichloro-2-butene	ND		10	2.5	ug/Kg	1	02/11/21	HM	SW8260C
Trichloroethene	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg	1	02/11/21	HM	SW8260C
Trichlorotrifluoroethane	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
Vinyl chloride	ND		5.0	0.50	ug/Kg	1	02/11/21	HM	SW8260C
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	99				%	1	02/11/21	HM	70 - 130 %
% Bromofluorobenzene	95				%	1	02/11/21	HM	70 - 130 %
% Dibromofluoromethane	89				%	1	02/11/21	HM	70 - 130 %
% Toluene-d8	97				%	1	02/11/21	HM	70 - 130 %

Project ID: CREPINI EXPANSION
Client ID: TP-1 (7-8)

Phoenix I.D.: CH57724

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4 (50x)	98			%	50	02/11/21	HM	70 - 130 %	
% Bromofluorobenzene (50x)	94			%	50	02/11/21	HM	70 - 130 %	
% Dibromofluoromethane (50x)	90			%	50	02/11/21	HM	70 - 130 %	
% Toluene-d8 (50x)	96			%	50	02/11/21	HM	70 - 130 %	
Field Extraction	Completed					02/04/21		SW5035A	1

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

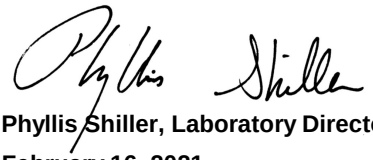
Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
February 16, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Tuesday, February 16, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCH57715 - WALDENE-IPARK

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

February 16, 2021

SDG I.D.: GCH57715

The samples in this delivery group were received at 2.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 2.2 °C Pg of

Data Delivery/Contact Options:
☐ Fax:
☑ Phone: 516-624-7200
☑ Email: EJOHNSTON@WALDEN-ASSOCIATES.COM

Customer: iPark East Fishkill LLC
Address: 2070 Rte 52
Hopewell Junction, NY

Project: Crepmi Expansion - iPark0118.54
Report to: Erica Johnston
Invoice to: Carl Monkhot
QUOTE # N/A

Project P.O: iPark0118.54

This section MUST be completed with Bottle Quantities.

Sampler's Signature: EC Date: 2/4/2021

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid **X** = _____(Other)

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs via 8260	MS/MSD*	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ]methanol [2] H2O	GL Soil container ( )oz	GL Soil container ( )oz	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
57715	TP-2(0-1) *	S	2/4/21	09:45	X								1					
57716	TP-2 (2-3) *	S	2/4/21	09:45	X								1					
57717	TP-3 (0-1) *	S	2/4/21	11:30	X								1					
57718	TP-3 (5-6) *	S	2/4/21	11:30	X								1					
57719	TP-4 (0-1)	S	2/4/21	13:15	X								1					
57720	TP-4 (8-9)	S	2/4/21	13:15	X								1					
57721	TP-5 (3-4) (1)	S	2/4/21	14:40	X								1					
57722	TP-5 (8-9) (2)	S	2/4/21	14:40	X								1					
57723	TP-1(0-1)	S	2/4/21	15:50	X								1					
57724	TP-1(7-8)	S	2/4/21	15:50	X								1					
(1) labeled TP10 3-4		(2)	labeled TP10 8-9															

Relinquished by:	Accepted by:	Date:	Time:
TPN		2/5/21	1:00pm
	Krystal Hall	2/5/21	16:16

Comments, Special Requirements or Regulations:
Please provide ASP-B Deliverables
Analyze samples TP-2(0-1) TP-2(2-3), TP-3(0-1) TP-3(5-6)

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

Turnaround Time:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ (Residential)
☐ (Comm/Industrial) Direct Exposure
☐ GA Leachability
☐ GB Leachability
☐ GA-GW Objectives
☐ GB-GW Objectives

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1 ☐ MWRA eSMART
☐ GW-2 ☐ S-1 10% CALC
☐ GW-3
☐ S-1 GW-1 ☐ S-1 GW-2 ☐ S-1 GW-3
☐ S-2 GW-1 ☐ S-2 GW-2 ☐ S-2 GW-3
☐ S-3 GW-1 ☐ S-3 GW-2 ☐ S-3 GW-3
☐ SW Protection

State where samples were collected: NY

Data Format
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

GCH 57715

Shannon Wilhelm

Subject: FW: Question on Walden COC
Attachments: 20210205144341.pdf

From: Michael Lapman
Sent: Friday, February 05, 2021 2:52 PM
To: Shannon Wilhelm
Subject: FW: Question on Walden COC

That is correct, just run the four (4) indicated and hold the rest.

Thank you Shannon!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com

From: Shannon Wilhelm <shannon@phoenixlabs.com>
Date: Friday, February 5, 2021 at 2:49 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: Question on Walden COC

GCH 57715

They are only listing 4 samples in the comment section to be analyzed but they checked all samples on chain so not sure if they are saying they only want those 4 ran and the rest held?

Thank you,

Shannon Wilhelm
Client Services Representative
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester CT 06040
860-645-1102

Bobbi Aloisa

From: Michael Lapman
Sent: Wednesday, February 10, 2021 12:34 PM
To: Bobbi Aloisa
Subject: Walden--Add On

Bobbi:

Walden would like the following analyzed for VOCs (EPA 8260). Standard TAT and ASP B Data Pack required. Thank you.

CH57723
CH57724

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com

APPENDIX E
CAMP AIR MONITORING DAILY REPORT

CAMP 1 CAMP 2

DT FA 2846 DT FA0275
PID FA00344 PID FA 00710

Crepini Expansion

WALDEN ENVIRONMENTAL ENGINEERING

WALDEN ENVIRONMENTAL ENGINEERING, PLLC
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

AIR MONITORING DAILY REPORT

PROJECT: iPark 0118.54	DATE: 2/4/2021	DAY OF WEEK: Thursday
AGENCY: iPark	WEATHER: Overcast	TEMPERARTURE: 35°
CONTRACTOR: Lakewood	CONTACT: Danny	WIND: *Indoors
SITE ADDRESS: Building 710 (330D)	AIR MONITOR'S NAME: SIGNATURE:	

DESCRIPTION OF WORK IN DETAIL

TIME/LOCATION	EQUIPMENT & READING	NOTES
745 CAMP 1	DUST: 0.003	Set up CAMP by HES tenant space
	PID: 0.0	
CAMP 2	DUST: 0.011	
	PID: 0.0	
845 CAMP 1	DUST: .333	Stopped work, switched drills
	PID: 0.0	
845 CAMP 2	DUST: 0.011	
	PID: 0.0	
900 CAMP 1	DUST: 0.012	
	PID: 0.0	
900 CAMP 2	DUST: 0.015	
	PID: 0.0	
915 CAMP 1	DUST: 0.021	
	PID: 0.0	
915 CAMP 2	DUST: 0.019	
	PID: 0.0	
930 CAMP 1	DUST: 0.049	
	PID: 0.0	
930 CAMP 2	DUST: 0.021	
	PID: 0.0	
945 CAMP 1	DUST: 0.004	
	PID: 0.0	
945 CAMP 2	DUST: 0.021	
	PID: 0.0	
1000 CAMP 1	DUST: 0.023	
	PID: 0.0	
1000 CAMP 2	DUST: 0.024	
	PID: 0.0	

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OYSTER BAY, NEW YORK 11771
P: (516) 624-7200 F: (516) 624-3219
WWW.WALDENENVIRONMENTALENGINEERING.COM

(4)

AIR MONITORING DAILY REPORT

PROJECT: Parkour 8.54	DATE: 2/4/21	DAY OF WEEK: Thursday
AGENCY: iPark	WEATHER: overcast	TEMPERARTURE: 35°
CONTRACTOR: Lakewood	CONTACT: Danny	WIND: * indoor HVAC on
SITE ADDRESS: Building 710 (330D)	AIR MONITOR'S NAME: SIGNATURE: KHW Ken Wayne RAS	

DESCRIPTION OF WORK IN DETAIL

TIME/LOCATION	EQUIPMENT & READING	NOTES
1015 CAMP 1	DUST: 0.002	
	PID: 0.0	
1015 CAMP 2	DUST: 0.024	
	PID: 0.0	
1030 CAMP 1	DUST: 0.002	
	PID: 0.0	
1030 CAMP 2	DUST: 0.025	
	PID: 0.0	
1045 CAMP 1	DUST: 0.0210	
	PID: 0.0	
1045 CAMP 2	DUST: 0.026	
	PID: 0.0	
1100 CAMP 1	DUST: 0.005	
	PID: 0.0	
1100 CAMP 2	DUST: 0.027	
	PID: 0.0	
1115 CAMP 1	DUST: 0.029	
	PID: 0.0	
1115 CAMP 2	DUST: 0.025	
	PID: 0.0	
1130 CAMP 1	DUST: 0.013	
	PID: 0.0	
1130 CAMP 2	DUST: 0.0210	
	PID: 0.0	
1145 CAMP 1	DUST: 0.011	
	PID: 0.0	
1145 CAMP 2	DUST: 0.029	
	PID: 0.0	

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WWW.WALDENENVIRONMENTALENGINEERING.COM

AIR MONITORING DAILY REPORT

PROJECT: iPark0118.54	DATE: 2/4/2021	DAY OF WEEK: Thursday
AGENCY: iPark	WEATHER: Overcast	TEMPERARTURE: 35° F
CONTRACTOR: Lakewood	CONTACT: Danny	WIND: *Indoors
SITE ADDRESS: Building 710	AIR MONITOR'S NAME: SIGNATURE:	

DESCRIPTION OF WORK IN DETAIL

TIME/LOCATION	EQUIPMENT & READING	NOTES
1200 CAMP 1	DUST: 0.007	
	PID: 0.0	
1200 CAMP 2	DUST: 0.027	
	PID: 0.0	
1215 CAMP 1	DUST:	
	PID:	
1215 CAMP 2	DUST: 0.028	
	PID: 0.0	
1230 CAMP 1	DUST: 0.020	
	PID: 0.0	
1230 CAMP 2	DUST: 0.028	
	PID: 0.0	
1245 CAMP 1	DUST: 0.010	
	PID: 0.0	PID died. Sourced other PID in lieu of convenience
1245 CAMP 2	DUST: 0.027	
	PID: 0.0	
1330 CAMP 1	DUST: 0.003	
	PID: 0.0	
1330 CAMP 2	DUST: 0.025	
	PID: 0.0	
1345 CAMP 1	DUST: 0.008	
	PID: 0.0	
1345 CAMP 2	DUST: 0.035	
	PID: 0.0	
1415 CAMP 1	DUST: 0.011	
	PID: 0.0	
1415 CAMP 2	DUST: 0.040	
	PID: 0.0	

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WWW.WALDENENVIRONMENTALENGINEERING.COM

WALDEN ENVIRONMENTAL ENGINEERING

Crepini Expansion

AIR MONITORING DAILY REPORT

PROJECT: iPark0118.54	DATE: 2/4/2021	DAY OF WEEK: Thursday
AGENCY: iPark	WEATHER: Overcast	TEMPERARTURE: 35°F
CONTRACTOR: Lakewood	CONTACT: Danny	WIND: *Indoor
SITE ADDRESS: Building 710	AIR MONITOR'S NAME: SIGNATURE: [illegible]	

DESCRIPTION OF WORK IN DETAIL

TIME/LOCATION	EQUIPMENT & READING	NOTES
1430 CAMP 1	DUST: 0.007	
	PID: 0.0	
1430 CAMP 2	DUST: 0.020	
	PID: 0.0	
1445 CAMP 1	DUST: 0.005	
	PID:	
1445 CAMP 2	DUST: 0.078	
	PID: 0.0	
1510 CAMP 1	DUST: 0.025	
	PID: 0.0	
1515 CAMP 2	DUST: 0.027	
	PID: 0.0	
1520 CAMP 1	DUST: 0.003	
	PID: 0.0	
1520 CAMP 2	DUST: 0.025	
	PID: 0.0	
1100 CAMP 1	DUST:	
	PID:	
1100 CAMP 2	DUST: 0.025	
	PID: 0.0	
CAMP 1	DUST:	
	PID:	
CAMP 2	DUST:	
	PID:	
CAMP 1	DUST:	
	PID:	
CAMP 2	DUST:	
	PID:	

APPENDIX F
CAMP STATION #1 AIR MONITORING DATA

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/04/2021
Instrument S/N	8530163109	Start Time	07:58:20
		Stop Date	02/04/2021
		Stop Time	15:43:20
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.018 mg/m^3
Max	0.109 mg/m^3
Max Date	02/04/2021
Max Time	08:43:20
Min	0.003 mg/m^3
Min Date	02/04/2021
Min Time	13:28:20
TWA (8 hr)	0.018
TWA Start Date	02/04/2021
TWA Start Time	07:58:20
TWA End Time	15:43:20

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/04/2021	08:13:20	0.010
2	02/04/2021	08:28:20	0.004
3	02/04/2021	08:43:20	0.109
4	02/04/2021	08:58:20	0.030
5	02/04/2021	09:13:20	0.037
6	02/04/2021	09:28:20	0.022
7	02/04/2021	09:43:20	0.010
8	02/04/2021	09:58:20	0.031
9	02/04/2021	10:13:20	0.010
10	02/04/2021	10:28:20	0.004
11	02/04/2021	10:43:20	0.011
12	02/04/2021	10:58:20	0.006
13	02/04/2021	11:13:20	0.040
14	02/04/2021	11:28:20	0.024
15	02/04/2021	11:43:20	0.014
16	02/04/2021	11:58:20	0.011
17	02/04/2021	12:13:20	0.009
18	02/04/2021	12:28:20	0.027
19	02/04/2021	12:43:20	0.014
20	02/04/2021	12:58:20	0.010
21	02/04/2021	13:13:20	0.006

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/04/2021	13:28:20	0.003
23	02/04/2021	13:43:20	0.004
24	02/04/2021	13:58:20	0.012
25	02/04/2021	14:13:20	0.014
26	02/04/2021	14:28:20	0.009
27	02/04/2021	14:43:20	0.007
28	02/04/2021	14:58:20	0.013
29	02/04/2021	15:13:20	0.052
30	02/04/2021	15:28:20	0.007
31	02/04/2021	15:43:20	0.007

==========
21/02/04 08:48
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-907629
Unit Firmw V2.20A

Running M Hygiene Mode
Datalog M Auto
Diagnostic No
Stop Reasc Pause in Menu Mode

Site ID 12345678
User ID 12345678

Begin 2/4/2021 8:48
End 2/4/2021 9:07
Sample Pe 60
Number of 19

Sensor PID(ppm)
Sensor SN S023030406P2
Measure T Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration 2/3/2021 11:17
Peak 11.4
Min 0
Average 1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2021 8:49	0	0	0
2	2/4/2021 8:50	0	0	0
3	2/4/2021 8:51	0	0	0
4	2/4/2021 8:52	0	0	0
5	2/4/2021 8:53	0	0	0

6	2/4/2021 8:54	0	0	0
7	2/4/2021 8:55	0	0	0
8	2/4/2021 8:56	0	0	0
9	2/4/2021 8:57	0	0	0
10	2/4/2021 8:58	0	0	0
11	2/4/2021 8:59	0	0	0
12	2/4/2021 9:00	0	0	0
13	2/4/2021 9:01	0	0	0
14	2/4/2021 9:02	0	0	0
15	2/4/2021 9:03	1.8	11.4	11.4
16	2/4/2021 9:04	4.8	11	3.3
17	2/4/2021 9:05	2.3	3.4	1.1
18	2/4/2021 9:06	1	1.1	0.9
19	2/4/2021 9:07	1.5	2.6	2.1
Peak		4.8	11.4	11.4
Min		0	0	0
Average		0.6	1.6	1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2021 8:49	0	---
2	2/4/2021 8:50	0	---
3	2/4/2021 8:51	0	---
4	2/4/2021 8:52	0	---
5	2/4/2021 8:53	0	---
6	2/4/2021 8:54	0	---
7	2/4/2021 8:55	0	---
8	2/4/2021 8:56	0	---
9	2/4/2021 8:57	0	---
10	2/4/2021 8:58	0	---
11	2/4/2021 8:59	0	---
12	2/4/2021 9:00	0	---
13	2/4/2021 9:01	0	---
14	2/4/2021 9:02	0	---
15	2/4/2021 9:03	0	0.8
16	2/4/2021 9:04	0	1
17	2/4/2021 9:05	0	1.1
18	2/4/2021 9:06	0	1.1
19	2/4/2021 9:07	0	1.3

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21/02/04 09:12

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN	592-907629
Unit Firmw	V2.20A

Running M	Hygiene Mode
Datalog M	Auto
Diagnostic	No
Stop Reasc	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	2/4/2021 9:12
End	2/4/2021 9:14
Sample Pe	60
Number of	2

Sensor	PID(ppm)
Sensor SN	S023030406P2
Measure T	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	2/4/2021 9:12
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2021 9:13	2.8	64	0
2	2/4/2021 9:14	0	0	0
Peak		2.8	64	0
Min		0	0	0
Average		1.4	32	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2021 9:13	0	---

2	2/4/2021 9:14	0	---

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21/02/04 09:15

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-907629
Unit Firmw	V2.20A

Running M	Hygiene Mode
Datalog M	Auto
Diagnostic	No
Stop Reasc	Battery Low

Site ID	12345678
User ID	12345678

Begin	2/4/2021 9:15
End	2/4/2021 13:17
Sample Pe	60
Number of	242

Sensor	PID(ppm)
Sensor SN	S023030406P2
Measure T	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	25
TWA Alarm	10
Measurem	Isobutylene
Calibration	2/4/2021 9:12
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2021 9:16	0	0	0
2	2/4/2021 9:17	0	0	0
3	2/4/2021 9:18	0	0	0
4	2/4/2021 9:19	0	0	0

5	2/4/2021 9:20	0	0	0
6	2/4/2021 9:21	0	0	0
7	2/4/2021 9:22	0	0	0
8	2/4/2021 9:23	0	0	0
9	2/4/2021 9:24	0	0	0
10	2/4/2021 9:25	0	0	0
11	2/4/2021 9:26	0	0	0
12	2/4/2021 9:27	0	0	0
13	2/4/2021 9:28	0	0	0
14	2/4/2021 9:29	0	0	0
15	2/4/2021 9:30	0	0	0
16	2/4/2021 9:31	0	0	0
17	2/4/2021 9:32	0	0	0
18	2/4/2021 9:33	0	0	0
19	2/4/2021 9:34	0	0	0
20	2/4/2021 9:35	0	0	0
21	2/4/2021 9:36	0	0	0
22	2/4/2021 9:37	0	0	0
23	2/4/2021 9:38	0	0	0
24	2/4/2021 9:39	0	0	0
25	2/4/2021 9:40	0	0	0
26	2/4/2021 9:41	0	0	0
27	2/4/2021 9:42	0	0	0
28	2/4/2021 9:43	0	0	0
29	2/4/2021 9:44	0	0	0
30	2/4/2021 9:45	0	0	0
31	2/4/2021 9:46	0	0	0
32	2/4/2021 9:47	0	0	0
33	2/4/2021 9:48	0	0	0
34	2/4/2021 9:49	0	0	0
35	2/4/2021 9:50	0	0	0
36	2/4/2021 9:51	0	0	0
37	2/4/2021 9:52	0	0	0
38	2/4/2021 9:53	0	0	0
39	2/4/2021 9:54	0	0	0
40	2/4/2021 9:55	0	0	0
41	2/4/2021 9:56	0	0	0
42	2/4/2021 9:57	0	0	0
43	2/4/2021 9:58	0	0	0
44	2/4/2021 9:59	0	0	0
45	2/4/2021 10:00	0	0	0
46	2/4/2021 10:01	0	0	0
47	2/4/2021 10:02	0	0	0
48	2/4/2021 10:03	0	0	0
49	2/4/2021 10:04	0	0	0
50	2/4/2021 10:05	0	0	0
51	2/4/2021 10:06	0	0	0

52	2/4/2021 10:07	0	0	0
53	2/4/2021 10:08	0	0	0
54	2/4/2021 10:09	0	0	0
55	2/4/2021 10:10	0	0	0
56	2/4/2021 10:11	0	0	0
57	2/4/2021 10:12	0	0	0
58	2/4/2021 10:13	0	0	0
59	2/4/2021 10:14	0	0	0
60	2/4/2021 10:15	0	0	0
61	2/4/2021 10:16	0	0	0
62	2/4/2021 10:17	0	0	0
63	2/4/2021 10:18	0	0	0
64	2/4/2021 10:19	0	0	0
65	2/4/2021 10:20	0	0	0
66	2/4/2021 10:21	0	0	0
67	2/4/2021 10:22	0	0	0
68	2/4/2021 10:23	0	0	0
69	2/4/2021 10:24	0	0	0
70	2/4/2021 10:25	0	0	0
71	2/4/2021 10:26	0	0	0
72	2/4/2021 10:27	0	0	0
73	2/4/2021 10:28	0	0	0
74	2/4/2021 10:29	0	0	0
75	2/4/2021 10:30	0	0	0
76	2/4/2021 10:31	0	0	0
77	2/4/2021 10:32	0	0	0
78	2/4/2021 10:33	0	0	0
79	2/4/2021 10:34	0	0	0
80	2/4/2021 10:35	0	0	0
81	2/4/2021 10:36	0	0	0
82	2/4/2021 10:37	0	0	0
83	2/4/2021 10:38	0	0	0
84	2/4/2021 10:39	0	0	0
85	2/4/2021 10:40	0	0	0
86	2/4/2021 10:41	0	0	0
87	2/4/2021 10:42	0	0	0
88	2/4/2021 10:43	0	0	0
89	2/4/2021 10:44	0	0	0
90	2/4/2021 10:45	0	0	0
91	2/4/2021 10:46	0	0	0
92	2/4/2021 10:47	0	0	0
93	2/4/2021 10:48	0	0	0
94	2/4/2021 10:49	0	0	0
95	2/4/2021 10:50	0	0	0
96	2/4/2021 10:51	0	0	0
97	2/4/2021 10:52	0	0	0
98	2/4/2021 10:53	0	0	0

99	2/4/2021 10:54	0	0	0
100	2/4/2021 10:55	0	0	0
101	2/4/2021 10:56	0	0	0
102	2/4/2021 10:57	0	0	0
103	2/4/2021 10:58	0	0	0
104	2/4/2021 10:59	0	0	0
105	2/4/2021 11:00	0	0	0
106	2/4/2021 11:01	0	0	0
107	2/4/2021 11:02	0	0	0
108	2/4/2021 11:03	0	0	0
109	2/4/2021 11:04	0	0	0
110	2/4/2021 11:05	0	0	0
111	2/4/2021 11:06	0	0	0
112	2/4/2021 11:07	0	0	0
113	2/4/2021 11:08	0	0	0
114	2/4/2021 11:09	0	0	0
115	2/4/2021 11:10	0	0	0
116	2/4/2021 11:11	0	0	0
117	2/4/2021 11:12	0	0	0
118	2/4/2021 11:13	0	0	0
119	2/4/2021 11:14	0	0	0
120	2/4/2021 11:15	0	0	0
121	2/4/2021 11:16	0	0	0
122	2/4/2021 11:17	0	0	0
123	2/4/2021 11:18	0	0	0
124	2/4/2021 11:19	0	0	0
125	2/4/2021 11:20	0	0	0
126	2/4/2021 11:21	0	0	0
127	2/4/2021 11:22	0	0	0
128	2/4/2021 11:23	0	0	0
129	2/4/2021 11:24	0	0	0
130	2/4/2021 11:25	0	0	0
131	2/4/2021 11:26	0	0	0
132	2/4/2021 11:27	0	0	0
133	2/4/2021 11:28	0	0	0
134	2/4/2021 11:29	0	0	0
135	2/4/2021 11:30	0	0	0
136	2/4/2021 11:31	0	0	0
137	2/4/2021 11:32	0	0	0
138	2/4/2021 11:33	0	0	0
139	2/4/2021 11:34	0	0	0
140	2/4/2021 11:35	0	0	0
141	2/4/2021 11:36	0	0	0
142	2/4/2021 11:37	0	0	0
143	2/4/2021 11:38	0	0	0
144	2/4/2021 11:39	0	0	0
145	2/4/2021 11:40	0	0	0

146	2/4/2021 11:41	0	0	0
147	2/4/2021 11:42	0	0	0
148	2/4/2021 11:43	0	0	0
149	2/4/2021 11:44	0	0	0
150	2/4/2021 11:45	0	0	0
151	2/4/2021 11:46	0	0	0
152	2/4/2021 11:47	0	0	0
153	2/4/2021 11:48	0	0	0
154	2/4/2021 11:49	0	0	0
155	2/4/2021 11:50	0	0	0
156	2/4/2021 11:51	0	0	0
157	2/4/2021 11:52	0	0	0
158	2/4/2021 11:53	0	0	0
159	2/4/2021 11:54	0	0	0
160	2/4/2021 11:55	0	0	0
161	2/4/2021 11:56	0	0	0
162	2/4/2021 11:57	0	0	0
163	2/4/2021 11:58	0	0	0
164	2/4/2021 11:59	0	0	0
165	2/4/2021 12:00	0	0	0
166	2/4/2021 12:01	0	0	0
167	2/4/2021 12:02	0	0	0
168	2/4/2021 12:03	0	0	0
169	2/4/2021 12:04	0	0	0
170	2/4/2021 12:05	0	0	0
171	2/4/2021 12:06	0	0	0
172	2/4/2021 12:07	0	0	0
173	2/4/2021 12:08	0	0	0
174	2/4/2021 12:09	0	0	0
175	2/4/2021 12:10	0	0	0
176	2/4/2021 12:11	0	0	0
177	2/4/2021 12:12	0	0	0
178	2/4/2021 12:13	0	0	0
179	2/4/2021 12:14	0	0	0
180	2/4/2021 12:15	0	0	0
181	2/4/2021 12:16	0	0	0
182	2/4/2021 12:17	0	0	0
183	2/4/2021 12:18	0	0	0
184	2/4/2021 12:19	0	0	0
185	2/4/2021 12:20	0	0	0
186	2/4/2021 12:21	0	0	0
187	2/4/2021 12:22	0	0	0
188	2/4/2021 12:23	0	0	0
189	2/4/2021 12:24	0	0	0
190	2/4/2021 12:25	0	0	0
191	2/4/2021 12:26	0	0	0
192	2/4/2021 12:27	0	0	0

193	2/4/2021 12:28	0	0	0
194	2/4/2021 12:29	0	0	0
195	2/4/2021 12:30	0	0	0
196	2/4/2021 12:31	0	0	0
197	2/4/2021 12:32	0	0	0
198	2/4/2021 12:33	0	0	0
199	2/4/2021 12:34	0	0	0
200	2/4/2021 12:35	0	0	0
201	2/4/2021 12:36	0	0	0
202	2/4/2021 12:37	0	0	0
203	2/4/2021 12:38	0	0	0
204	2/4/2021 12:39	0	0	0
205	2/4/2021 12:40	0	0	0
206	2/4/2021 12:41	0	0	0
207	2/4/2021 12:42	0	0	0
208	2/4/2021 12:43	0	0	0
209	2/4/2021 12:44	0	0	0
210	2/4/2021 12:45	0	0	0
211	2/4/2021 12:46	0	0	0
212	2/4/2021 12:47	0	0	0
213	2/4/2021 12:48	0	0	0
214	2/4/2021 12:49	0	0	0
215	2/4/2021 12:50	0	0	0
216	2/4/2021 12:51	0	0	0
217	2/4/2021 12:52	0	0	0
218	2/4/2021 12:53	0	0	0
219	2/4/2021 12:54	0	0	0
220	2/4/2021 12:55	0	0	0
221	2/4/2021 12:56	0	0	0
222	2/4/2021 12:57	0	0	0
223	2/4/2021 12:58	0	0	0
224	2/4/2021 12:59	0	0	0
225	2/4/2021 13:00	0	0	0
226	2/4/2021 13:01	0	0	0
227	2/4/2021 13:02	0	0	0
228	2/4/2021 13:03	0	0	0
229	2/4/2021 13:04	0	0	0
230	2/4/2021 13:05	0	0	0
231	2/4/2021 13:06	0	0	0
232	2/4/2021 13:07	0	0	0
233	2/4/2021 13:08	0	0	0
234	2/4/2021 13:09	0	0	0
235	2/4/2021 13:10	0	0	0
236	2/4/2021 13:11	0	0	0
237	2/4/2021 13:12	0	0	0
238	2/4/2021 13:13	0	0	0
239	2/4/2021 13:14	0	0	0

240	2/4/2021 13:15	0	0	0
241	2/4/2021 13:16	0	0	0
242	2/4/2021 13:17	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

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TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2021 9:16	0	---
2	2/4/2021 9:17	0	---
3	2/4/2021 9:18	0	---
4	2/4/2021 9:19	0	---
5	2/4/2021 9:20	0	---
6	2/4/2021 9:21	0	---
7	2/4/2021 9:22	0	---
8	2/4/2021 9:23	0	---
9	2/4/2021 9:24	0	---
10	2/4/2021 9:25	0	---
11	2/4/2021 9:26	0	---
12	2/4/2021 9:27	0	---
13	2/4/2021 9:28	0	---
14	2/4/2021 9:29	0	---
15	2/4/2021 9:30	0	0
16	2/4/2021 9:31	0	0
17	2/4/2021 9:32	0	0
18	2/4/2021 9:33	0	0
19	2/4/2021 9:34	0	0
20	2/4/2021 9:35	0	0
21	2/4/2021 9:36	0	0
22	2/4/2021 9:37	0	0
23	2/4/2021 9:38	0	0
24	2/4/2021 9:39	0	0
25	2/4/2021 9:40	0	0
26	2/4/2021 9:41	0	0
27	2/4/2021 9:42	0	0
28	2/4/2021 9:43	0	0
29	2/4/2021 9:44	0	0
30	2/4/2021 9:45	0	0
31	2/4/2021 9:46	0	0
32	2/4/2021 9:47	0	0
33	2/4/2021 9:48	0	0
34	2/4/2021 9:49	0	0
35	2/4/2021 9:50	0	0
36	2/4/2021 9:51	0	0

37	2/4/2021 9:52	0	0
38	2/4/2021 9:53	0	0
39	2/4/2021 9:54	0	0
40	2/4/2021 9:55	0	0
41	2/4/2021 9:56	0	0
42	2/4/2021 9:57	0	0
43	2/4/2021 9:58	0	0
44	2/4/2021 9:59	0	0
45	2/4/2021 10:00	0	0
46	2/4/2021 10:01	0	0
47	2/4/2021 10:02	0	0
48	2/4/2021 10:03	0	0
49	2/4/2021 10:04	0	0
50	2/4/2021 10:05	0	0
51	2/4/2021 10:06	0	0
52	2/4/2021 10:07	0	0
53	2/4/2021 10:08	0	0
54	2/4/2021 10:09	0	0
55	2/4/2021 10:10	0	0
56	2/4/2021 10:11	0	0
57	2/4/2021 10:12	0	0
58	2/4/2021 10:13	0	0
59	2/4/2021 10:14	0	0
60	2/4/2021 10:15	0	0
61	2/4/2021 10:16	0	0
62	2/4/2021 10:17	0	0
63	2/4/2021 10:18	0	0
64	2/4/2021 10:19	0	0
65	2/4/2021 10:20	0	0
66	2/4/2021 10:21	0	0
67	2/4/2021 10:22	0	0
68	2/4/2021 10:23	0	0
69	2/4/2021 10:24	0	0
70	2/4/2021 10:25	0	0
71	2/4/2021 10:26	0	0
72	2/4/2021 10:27	0	0
73	2/4/2021 10:28	0	0
74	2/4/2021 10:29	0	0
75	2/4/2021 10:30	0	0
76	2/4/2021 10:31	0	0
77	2/4/2021 10:32	0	0
78	2/4/2021 10:33	0	0
79	2/4/2021 10:34	0	0
80	2/4/2021 10:35	0	0
81	2/4/2021 10:36	0	0
82	2/4/2021 10:37	0	0
83	2/4/2021 10:38	0	0

84	2/4/2021 10:39	0	0
85	2/4/2021 10:40	0	0
86	2/4/2021 10:41	0	0
87	2/4/2021 10:42	0	0
88	2/4/2021 10:43	0	0
89	2/4/2021 10:44	0	0
90	2/4/2021 10:45	0	0
91	2/4/2021 10:46	0	0
92	2/4/2021 10:47	0	0
93	2/4/2021 10:48	0	0
94	2/4/2021 10:49	0	0
95	2/4/2021 10:50	0	0
96	2/4/2021 10:51	0	0
97	2/4/2021 10:52	0	0
98	2/4/2021 10:53	0	0
99	2/4/2021 10:54	0	0
100	2/4/2021 10:55	0	0
101	2/4/2021 10:56	0	0
102	2/4/2021 10:57	0	0
103	2/4/2021 10:58	0	0
104	2/4/2021 10:59	0	0
105	2/4/2021 11:00	0	0
106	2/4/2021 11:01	0	0
107	2/4/2021 11:02	0	0
108	2/4/2021 11:03	0	0
109	2/4/2021 11:04	0	0
110	2/4/2021 11:05	0	0
111	2/4/2021 11:06	0	0
112	2/4/2021 11:07	0	0
113	2/4/2021 11:08	0	0
114	2/4/2021 11:09	0	0
115	2/4/2021 11:10	0	0
116	2/4/2021 11:11	0	0
117	2/4/2021 11:12	0	0
118	2/4/2021 11:13	0	0
119	2/4/2021 11:14	0	0
120	2/4/2021 11:15	0	0
121	2/4/2021 11:16	0	0
122	2/4/2021 11:17	0	0
123	2/4/2021 11:18	0	0
124	2/4/2021 11:19	0	0
125	2/4/2021 11:20	0	0
126	2/4/2021 11:21	0	0
127	2/4/2021 11:22	0	0
128	2/4/2021 11:23	0	0
129	2/4/2021 11:24	0	0
130	2/4/2021 11:25	0	0

131	2/4/2021 11:26	0	0
132	2/4/2021 11:27	0	0
133	2/4/2021 11:28	0	0
134	2/4/2021 11:29	0	0
135	2/4/2021 11:30	0	0
136	2/4/2021 11:31	0	0
137	2/4/2021 11:32	0	0
138	2/4/2021 11:33	0	0
139	2/4/2021 11:34	0	0
140	2/4/2021 11:35	0	0
141	2/4/2021 11:36	0	0
142	2/4/2021 11:37	0	0
143	2/4/2021 11:38	0	0
144	2/4/2021 11:39	0	0
145	2/4/2021 11:40	0	0
146	2/4/2021 11:41	0	0
147	2/4/2021 11:42	0	0
148	2/4/2021 11:43	0	0
149	2/4/2021 11:44	0	0
150	2/4/2021 11:45	0	0
151	2/4/2021 11:46	0	0
152	2/4/2021 11:47	0	0
153	2/4/2021 11:48	0	0
154	2/4/2021 11:49	0	0
155	2/4/2021 11:50	0	0
156	2/4/2021 11:51	0	0
157	2/4/2021 11:52	0	0
158	2/4/2021 11:53	0	0
159	2/4/2021 11:54	0	0
160	2/4/2021 11:55	0	0
161	2/4/2021 11:56	0	0
162	2/4/2021 11:57	0	0
163	2/4/2021 11:58	0	0
164	2/4/2021 11:59	0	0
165	2/4/2021 12:00	0	0
166	2/4/2021 12:01	0	0
167	2/4/2021 12:02	0	0
168	2/4/2021 12:03	0	0
169	2/4/2021 12:04	0	0
170	2/4/2021 12:05	0	0
171	2/4/2021 12:06	0	0
172	2/4/2021 12:07	0	0
173	2/4/2021 12:08	0	0
174	2/4/2021 12:09	0	0
175	2/4/2021 12:10	0	0
176	2/4/2021 12:11	0	0
177	2/4/2021 12:12	0	0

178	2/4/2021 12:13	0	0
179	2/4/2021 12:14	0	0
180	2/4/2021 12:15	0	0
181	2/4/2021 12:16	0	0
182	2/4/2021 12:17	0	0
183	2/4/2021 12:18	0	0
184	2/4/2021 12:19	0	0
185	2/4/2021 12:20	0	0
186	2/4/2021 12:21	0	0
187	2/4/2021 12:22	0	0
188	2/4/2021 12:23	0	0
189	2/4/2021 12:24	0	0
190	2/4/2021 12:25	0	0
191	2/4/2021 12:26	0	0
192	2/4/2021 12:27	0	0
193	2/4/2021 12:28	0	0
194	2/4/2021 12:29	0	0
195	2/4/2021 12:30	0	0
196	2/4/2021 12:31	0	0
197	2/4/2021 12:32	0	0
198	2/4/2021 12:33	0	0
199	2/4/2021 12:34	0	0
200	2/4/2021 12:35	0	0
201	2/4/2021 12:36	0	0
202	2/4/2021 12:37	0	0
203	2/4/2021 12:38	0	0
204	2/4/2021 12:39	0	0
205	2/4/2021 12:40	0	0
206	2/4/2021 12:41	0	0
207	2/4/2021 12:42	0	0
208	2/4/2021 12:43	0	0
209	2/4/2021 12:44	0	0
210	2/4/2021 12:45	0	0
211	2/4/2021 12:46	0	0
212	2/4/2021 12:47	0	0
213	2/4/2021 12:48	0	0
214	2/4/2021 12:49	0	0
215	2/4/2021 12:50	0	0
216	2/4/2021 12:51	0	0
217	2/4/2021 12:52	0	0
218	2/4/2021 12:53	0	0
219	2/4/2021 12:54	0	0
220	2/4/2021 12:55	0	0
221	2/4/2021 12:56	0	0
222	2/4/2021 12:57	0	0
223	2/4/2021 12:58	0	0
224	2/4/2021 12:59	0	0

225	2/4/2021 13:00	0	0
226	2/4/2021 13:01	0	0
227	2/4/2021 13:02	0	0
228	2/4/2021 13:03	0	0
229	2/4/2021 13:04	0	0
230	2/4/2021 13:05	0	0
231	2/4/2021 13:06	0	0
232	2/4/2021 13:07	0	0
233	2/4/2021 13:08	0	0
234	2/4/2021 13:09	0	0
235	2/4/2021 13:10	0	0
236	2/4/2021 13:11	0	0
237	2/4/2021 13:12	0	0
238	2/4/2021 13:13	0	0
239	2/4/2021 13:14	0	0
240	2/4/2021 13:15	0	0
241	2/4/2021 13:16	0	0
242	2/4/2021 13:17	0	0

APPENDIX G
CAMP STATION #2 AIR MONITORING DATA

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	02/04/2021
Instrument S/N	8530162204	Start Time	08:39:59
		Stop Date	02/04/2021
		Stop Time	15:34:59
		Total Time	0:06:55:00
		Logging Interval	300 seconds

Statistics	
	AEROSOL
Avg	0.026 mg/m^3
Max	0.045 mg/m^3
Max Date	02/04/2021
Max Time	14:04:59
Min	0.013 mg/m^3
Min Date	02/04/2021
Min Time	08:49:59
TWA (8 hr)	0.023
TWA Start Date	02/04/2021
TWA Start Time	08:39:59
TWA End Time	15:34:59

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
1	02/04/2021	08:44:59	0.014
2	02/04/2021	08:49:59	0.013
3	02/04/2021	08:54:59	0.014
4	02/04/2021	08:59:59	0.015
5	02/04/2021	09:04:59	0.016
6	02/04/2021	09:09:59	0.016
7	02/04/2021	09:14:59	0.019
8	02/04/2021	09:19:59	0.019
9	02/04/2021	09:24:59	0.019
10	02/04/2021	09:29:59	0.020
11	02/04/2021	09:34:59	0.021
12	02/04/2021	09:39:59	0.021
13	02/04/2021	09:44:59	0.022
14	02/04/2021	09:49:59	0.022
15	02/04/2021	09:54:59	0.023
16	02/04/2021	09:59:59	0.024
17	02/04/2021	10:04:59	0.024
18	02/04/2021	10:09:59	0.024
19	02/04/2021	10:14:59	0.024
20	02/04/2021	10:19:59	0.024
21	02/04/2021	10:24:59	0.024

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
22	02/04/2021	10:29:59	0.024
23	02/04/2021	10:34:59	0.027
24	02/04/2021	10:39:59	0.025
25	02/04/2021	10:44:59	0.026
26	02/04/2021	10:49:59	0.026
27	02/04/2021	10:54:59	0.026
28	02/04/2021	10:59:59	0.026
29	02/04/2021	11:04:59	0.026
30	02/04/2021	11:09:59	0.026
31	02/04/2021	11:14:59	0.026
32	02/04/2021	11:19:59	0.026
33	02/04/2021	11:24:59	0.025
34	02/04/2021	11:29:59	0.026
35	02/04/2021	11:34:59	0.027
36	02/04/2021	11:39:59	0.027
37	02/04/2021	11:44:59	0.027
38	02/04/2021	11:49:59	0.028
39	02/04/2021	11:54:59	0.028
40	02/04/2021	11:59:59	0.028
41	02/04/2021	12:04:59	0.028
42	02/04/2021	12:09:59	0.028
43	02/04/2021	12:14:59	0.028
44	02/04/2021	12:19:59	0.028
45	02/04/2021	12:24:59	0.028
46	02/04/2021	12:29:59	0.030
47	02/04/2021	12:34:59	0.030
48	02/04/2021	12:39:59	0.030
49	02/04/2021	12:44:59	0.029
50	02/04/2021	12:49:59	0.028
51	02/04/2021	12:54:59	0.028
52	02/04/2021	12:59:59	0.027
53	02/04/2021	13:04:59	0.027
54	02/04/2021	13:09:59	0.027
55	02/04/2021	13:14:59	0.026
56	02/04/2021	13:19:59	0.026
57	02/04/2021	13:24:59	0.025
58	02/04/2021	13:29:59	0.025
59	02/04/2021	13:34:59	0.025
60	02/04/2021	13:39:59	0.025
61	02/04/2021	13:44:59	0.025
62	02/04/2021	13:49:59	0.025
63	02/04/2021	13:54:59	0.034
64	02/04/2021	13:59:59	0.040
65	02/04/2021	14:04:59	0.045
66	02/04/2021	14:09:59	0.043
67	02/04/2021	14:14:59	0.038

Test Data			
Data Point	**Date**	**Time**	**AEROSOL mg/m^3**
68	02/04/2021	14:19:59	0.035
69	02/04/2021	14:24:59	0.033
70	02/04/2021	14:29:59	0.031
71	02/04/2021	14:34:59	0.030
72	02/04/2021	14:39:59	0.029
73	02/04/2021	14:44:59	0.028
74	02/04/2021	14:49:59	0.028
75	02/04/2021	14:54:59	0.027
76	02/04/2021	14:59:59	0.026
77	02/04/2021	15:04:59	0.026
78	02/04/2021	15:09:59	0.026
79	02/04/2021	15:14:59	0.026
80	02/04/2021	15:19:59	0.026
81	02/04/2021	15:24:59	0.025
82	02/04/2021	15:29:59	0.025
83	02/04/2021	15:34:59	0.025

==========
21/02/04 09:40
****
Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-909767
Unit Firmw V2.22

Running M Hygiene Mode
Datalog M Auto
Diagnostic No
Stop Reasc Pause in Menu Mode

Site ID 12345678
User ID 12345678

Begin 2/4/2021 9:40
End 2/4/2021 9:42
Sample Pe 60
Number of 1

Sensor PID(ppm)
Sensor SN S023030035A5
Measure T Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 100
TWA Alarm 50
Measurem Isobutylene
Calibration 1/27/2021 16:46
Peak 0.1
Min 0.1
Average 0.1

****
Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2021 9:41	0.2	0.2	0.1
Peak		0.2	0.2	0.1
Min		0.2	0.2	0.1
Average		0.2	0.2	0.1

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2021 9:41	0	---

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21/02/04 09:49

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Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-909767
Unit Firmw	V2.22

Running M	Hygiene Mode
Datalog M	Auto
Diagnostic	No
Stop Reasc	Pause in Menu Mode

Site ID	12345678
User ID	12345678

Begin	2/4/2021 9:49
End	2/4/2021 10:04
Sample Pe	60
Number of	15

Sensor	PID(ppm)
Sensor SN	S023030035A5
Measure T	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	2/4/2021 9:44
Peak	0.1
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)

1	2/4/2021 9:50	0	0	0
2	2/4/2021 9:51	0	0	0
3	2/4/2021 9:52	0	0	0
4	2/4/2021 9:53	0	0	0
5	2/4/2021 9:54	0	0	0
6	2/4/2021 9:55	0	0	0
7	2/4/2021 9:56	0	0	0
8	2/4/2021 9:57	0	0	0
9	2/4/2021 9:58	0	0	0
10	2/4/2021 9:59	0	0	0
11	2/4/2021 10:00	0	0	0
12	2/4/2021 10:01	0	0	0
13	2/4/2021 10:02	0	0	0
14	2/4/2021 10:03	0	0	0
15	2/4/2021 10:04	0	0.1	0.1
Peak		0	0.1	0.1
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2021 9:50	0	---
2	2/4/2021 9:51	0	---
3	2/4/2021 9:52	0	---
4	2/4/2021 9:53	0	---
5	2/4/2021 9:54	0	---
6	2/4/2021 9:55	0	---
7	2/4/2021 9:56	0	---
8	2/4/2021 9:57	0	---
9	2/4/2021 9:58	0	---
10	2/4/2021 9:59	0	---
11	2/4/2021 10:00	0	---
12	2/4/2021 10:01	0	---
13	2/4/2021 10:02	0	---
14	2/4/2021 10:03	0	---
15	2/4/2021 10:04	0	0

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21/02/04 10:04

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Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-909767

Unit Firmw V2.22

Running M	Hygiene Mode
Datalog M	Auto
Diagnostic	No
Stop Reasc	Power Down

Site ID	12345678
User ID	12345678

Begin	2/4/2021 10:04
End	2/4/2021 17:08
Sample Pe	60
Number of	424

Sensor	PID(ppm)
Sensor SN	S023030035A5
Measure T	Avg; Max; Real
Span	100
Span 2	1000
Low Alarm	50
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurem	Isobutylene
Calibration	2/4/2021 9:44
Peak	0
Min	0
Average	0

****

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	2/4/2021 10:05	0	0.1	0
2	2/4/2021 10:06	0	0	0
3	2/4/2021 10:07	0	0	0
4	2/4/2021 10:08	0	0	0
5	2/4/2021 10:09	0	0	0
6	2/4/2021 10:10	0	0	0
7	2/4/2021 10:11	0	0	0
8	2/4/2021 10:12	0	0	0
9	2/4/2021 10:13	0	0	0
10	2/4/2021 10:14	0	0	0
11	2/4/2021 10:15	0	0	0
12	2/4/2021 10:16	0	0	0
13	2/4/2021 10:17	0	0	0
14	2/4/2021 10:18	0	0	0

15	2/4/2021 10:19	0	0	0
16	2/4/2021 10:20	0	0	0
17	2/4/2021 10:21	0	0	0
18	2/4/2021 10:22	0	0	0
19	2/4/2021 10:23	0	0	0
20	2/4/2021 10:24	0	0	0
21	2/4/2021 10:25	0	0	0
22	2/4/2021 10:26	0	0	0
23	2/4/2021 10:27	0	0	0
24	2/4/2021 10:28	0	0	0
25	2/4/2021 10:29	0	0	0
26	2/4/2021 10:30	0	0	0
27	2/4/2021 10:31	0	0	0
28	2/4/2021 10:32	0	0	0
29	2/4/2021 10:33	0	0	0
30	2/4/2021 10:34	0	0	0
31	2/4/2021 10:35	0	0	0
32	2/4/2021 10:36	0	0	0
33	2/4/2021 10:37	0	0	0
34	2/4/2021 10:38	0	0	0
35	2/4/2021 10:39	0	0	0
36	2/4/2021 10:40	0	0	0
37	2/4/2021 10:41	0	0	0
38	2/4/2021 10:42	0	0	0
39	2/4/2021 10:43	0	0	0
40	2/4/2021 10:44	0	0	0
41	2/4/2021 10:45	0	0	0
42	2/4/2021 10:46	0	0	0
43	2/4/2021 10:47	0	0	0
44	2/4/2021 10:48	0	0	0
45	2/4/2021 10:49	0	0	0
46	2/4/2021 10:50	0	0	0
47	2/4/2021 10:51	0	0	0
48	2/4/2021 10:52	0	0	0
49	2/4/2021 10:53	0	0	0
50	2/4/2021 10:54	0	0	0
51	2/4/2021 10:55	0	0	0
52	2/4/2021 10:56	0	0	0
53	2/4/2021 10:57	0	0	0
54	2/4/2021 10:58	0	0	0
55	2/4/2021 10:59	0	0	0
56	2/4/2021 11:00	0	0	0
57	2/4/2021 11:01	0	0	0
58	2/4/2021 11:02	0	0	0
59	2/4/2021 11:03	0	0	0
60	2/4/2021 11:04	0	0	0
61	2/4/2021 11:05	0	0	0

62	2/4/2021 11:06	0	0	0
63	2/4/2021 11:07	0	0	0
64	2/4/2021 11:08	0	0	0
65	2/4/2021 11:09	0	0	0
66	2/4/2021 11:10	0	0	0
67	2/4/2021 11:11	0	0	0
68	2/4/2021 11:12	0	0	0
69	2/4/2021 11:13	0	0	0
70	2/4/2021 11:14	0	0	0
71	2/4/2021 11:15	0	0	0
72	2/4/2021 11:16	0	0	0
73	2/4/2021 11:17	0	0	0
74	2/4/2021 11:18	0	0	0
75	2/4/2021 11:19	0	0	0
76	2/4/2021 11:20	0	0	0
77	2/4/2021 11:21	0	0	0
78	2/4/2021 11:22	0	0	0
79	2/4/2021 11:23	0	0	0
80	2/4/2021 11:24	0	0	0
81	2/4/2021 11:25	0	0	0
82	2/4/2021 11:26	0	0	0
83	2/4/2021 11:27	0	0	0
84	2/4/2021 11:28	0	0	0
85	2/4/2021 11:29	0	0	0
86	2/4/2021 11:30	0	0	0
87	2/4/2021 11:31	0	0	0
88	2/4/2021 11:32	0	0	0
89	2/4/2021 11:33	0	0	0
90	2/4/2021 11:34	0	0	0
91	2/4/2021 11:35	0	0	0
92	2/4/2021 11:36	0	0	0
93	2/4/2021 11:37	0	0	0
94	2/4/2021 11:38	0	0	0
95	2/4/2021 11:39	0	0	0
96	2/4/2021 11:40	0	0	0
97	2/4/2021 11:41	0	0	0
98	2/4/2021 11:42	0	0	0
99	2/4/2021 11:43	0	0	0
100	2/4/2021 11:44	0	0	0
101	2/4/2021 11:45	0	0	0
102	2/4/2021 11:46	0	0	0
103	2/4/2021 11:47	0	0	0
104	2/4/2021 11:48	0	0	0
105	2/4/2021 11:49	0	0	0
106	2/4/2021 11:50	0	0	0
107	2/4/2021 11:51	0	0	0
108	2/4/2021 11:52	0	0	0

109	2/4/2021 11:53	0	0	0
110	2/4/2021 11:54	0	0	0
111	2/4/2021 11:55	0	0	0
112	2/4/2021 11:56	0	0	0
113	2/4/2021 11:57	0	0	0
114	2/4/2021 11:58	0	0	0
115	2/4/2021 11:59	0	0	0
116	2/4/2021 12:00	0	0	0
117	2/4/2021 12:01	0	0	0
118	2/4/2021 12:02	0	0	0
119	2/4/2021 12:03	0	0	0
120	2/4/2021 12:04	0	0	0
121	2/4/2021 12:05	0	0	0
122	2/4/2021 12:06	0	0	0
123	2/4/2021 12:07	0	0	0
124	2/4/2021 12:08	0	0	0
125	2/4/2021 12:09	0	0	0
126	2/4/2021 12:10	0	0	0
127	2/4/2021 12:11	0	0	0
128	2/4/2021 12:12	0	0	0
129	2/4/2021 12:13	0	0	0
130	2/4/2021 12:14	0	0	0
131	2/4/2021 12:15	0	0	0
132	2/4/2021 12:16	0	0	0
133	2/4/2021 12:17	0	0	0
134	2/4/2021 12:18	0	0	0
135	2/4/2021 12:19	0	0	0
136	2/4/2021 12:20	0	0	0
137	2/4/2021 12:21	0	0	0
138	2/4/2021 12:22	0	0	0
139	2/4/2021 12:23	0	0	0
140	2/4/2021 12:24	0	0	0
141	2/4/2021 12:25	0	0	0
142	2/4/2021 12:26	0	0	0
143	2/4/2021 12:27	0	0	0
144	2/4/2021 12:28	0	0	0
145	2/4/2021 12:29	0	0	0
146	2/4/2021 12:30	0	0	0
147	2/4/2021 12:31	0	0	0
148	2/4/2021 12:32	0	0	0
149	2/4/2021 12:33	0	0	0
150	2/4/2021 12:34	0	0	0
151	2/4/2021 12:35	0	0	0
152	2/4/2021 12:36	0	0	0
153	2/4/2021 12:37	0	0	0
154	2/4/2021 12:38	0	0	0
155	2/4/2021 12:39	0	0	0

156	2/4/2021 12:40	0	0	0
157	2/4/2021 12:41	0	0	0
158	2/4/2021 12:42	0	0	0
159	2/4/2021 12:43	0	0	0
160	2/4/2021 12:44	0	0	0
161	2/4/2021 12:45	0	0	0
162	2/4/2021 12:46	0	0	0
163	2/4/2021 12:47	0	0	0
164	2/4/2021 12:48	0	0	0
165	2/4/2021 12:49	0	0	0
166	2/4/2021 12:50	0	0	0
167	2/4/2021 12:51	0	0	0
168	2/4/2021 12:52	0	0	0
169	2/4/2021 12:53	0	0	0
170	2/4/2021 12:54	0	0	0
171	2/4/2021 12:55	0	0	0
172	2/4/2021 12:56	0	0	0
173	2/4/2021 12:57	0	0	0
174	2/4/2021 12:58	0	0	0
175	2/4/2021 12:59	0	0	0
176	2/4/2021 13:00	0	0	0
177	2/4/2021 13:01	0	0	0
178	2/4/2021 13:02	0	0	0
179	2/4/2021 13:03	0	0	0
180	2/4/2021 13:04	0	0	0
181	2/4/2021 13:05	0	0	0
182	2/4/2021 13:06	0	0	0
183	2/4/2021 13:07	0	0	0
184	2/4/2021 13:08	0	0	0
185	2/4/2021 13:09	0	0	0
186	2/4/2021 13:10	0	0	0
187	2/4/2021 13:11	0	0	0
188	2/4/2021 13:12	0	0	0
189	2/4/2021 13:13	0	0	0
190	2/4/2021 13:14	0	0	0
191	2/4/2021 13:15	0	0	0
192	2/4/2021 13:16	0	0	0
193	2/4/2021 13:17	0	0	0
194	2/4/2021 13:18	0	0	0
195	2/4/2021 13:19	0	0	0
196	2/4/2021 13:20	0	0	0
197	2/4/2021 13:21	0	0	0
198	2/4/2021 13:22	0	0	0
199	2/4/2021 13:23	0	0	0
200	2/4/2021 13:24	0	0	0
201	2/4/2021 13:25	0	0	0
202	2/4/2021 13:26	0	0	0

203	2/4/2021 13:27	0	0	0
204	2/4/2021 13:28	0	0	0
205	2/4/2021 13:29	0	0	0
206	2/4/2021 13:30	0	0	0
207	2/4/2021 13:31	0	0	0
208	2/4/2021 13:32	0	0	0
209	2/4/2021 13:33	0	0	0
210	2/4/2021 13:34	0	0	0
211	2/4/2021 13:35	0	0	0
212	2/4/2021 13:36	0	0	0
213	2/4/2021 13:37	0	0	0
214	2/4/2021 13:38	0	0	0
215	2/4/2021 13:39	0	0	0
216	2/4/2021 13:40	0	0	0
217	2/4/2021 13:41	0	0	0
218	2/4/2021 13:42	0	0	0
219	2/4/2021 13:43	0	0	0
220	2/4/2021 13:44	0	0	0
221	2/4/2021 13:45	0	0	0
222	2/4/2021 13:46	0	0	0
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233	2/4/2021 13:57	0	0	0
234	2/4/2021 13:58	0	0	0
235	2/4/2021 13:59	0	0	0
236	2/4/2021 14:00	0	0	0
237	2/4/2021 14:01	0	0	0
238	2/4/2021 14:02	0	0	0
239	2/4/2021 14:03	0	0	0
240	2/4/2021 14:04	0	0	0
241	2/4/2021 14:05	0	0	0
242	2/4/2021 14:06	0	0	0
243	2/4/2021 14:07	0	0	0
244	2/4/2021 14:08	0	0	0
245	2/4/2021 14:09	0	0	0
246	2/4/2021 14:10	0	0	0
247	2/4/2021 14:11	0	0	0
248	2/4/2021 14:12	0	0	0
249	2/4/2021 14:13	0	0	0

250	2/4/2021 14:14	0	0	0
251	2/4/2021 14:15	0	0	0
252	2/4/2021 14:16	0	0	0
253	2/4/2021 14:17	0	0	0
254	2/4/2021 14:18	0	0	0
255	2/4/2021 14:19	0	0	0
256	2/4/2021 14:20	0	0	0
257	2/4/2021 14:21	0	0	0
258	2/4/2021 14:22	0	0	0
259	2/4/2021 14:23	0	0	0
260	2/4/2021 14:24	0	0	0
261	2/4/2021 14:25	0	0	0
262	2/4/2021 14:26	0	0	0
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268	2/4/2021 14:32	0	0	0
269	2/4/2021 14:33	0	0	0
270	2/4/2021 14:34	0	0	0
271	2/4/2021 14:35	0	0	0
272	2/4/2021 14:36	0	0	0
273	2/4/2021 14:37	0	0	0
274	2/4/2021 14:38	0	0	0
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282	2/4/2021 14:46	0	0	0
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292	2/4/2021 14:56	0	0	0
293	2/4/2021 14:57	0	0	0
294	2/4/2021 14:58	0	0	0
295	2/4/2021 14:59	0	0	0
296	2/4/2021 15:00	0	0	0

297	2/4/2021 15:01	0	0	0
298	2/4/2021 15:02	0	0	0
299	2/4/2021 15:03	0	0	0
300	2/4/2021 15:04	0	0	0
301	2/4/2021 15:05	0	0	0
302	2/4/2021 15:06	0	0	0
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307	2/4/2021 15:11	0	0	0
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309	2/4/2021 15:13	0	0	0
310	2/4/2021 15:14	0	0	0
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312	2/4/2021 15:16	0	0	0
313	2/4/2021 15:17	0	0	0
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322	2/4/2021 15:26	0	0	0
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329	2/4/2021 15:33	0	0	0
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331	2/4/2021 15:35	0	0	0
332	2/4/2021 15:36	0	0	0
333	2/4/2021 15:37	0	0	0
334	2/4/2021 15:38	0	0	0
335	2/4/2021 15:39	0	0	0
336	2/4/2021 15:40	0	0	0
337	2/4/2021 15:41	0	0	0
338	2/4/2021 15:42	0	0	0
339	2/4/2021 15:43	0	0	0
340	2/4/2021 15:44	0	0	0
341	2/4/2021 15:45	0	0	0
342	2/4/2021 15:46	0	0	0
343	2/4/2021 15:47	0	0	0

344	2/4/2021 15:48	0	0	0
345	2/4/2021 15:49	0	0	0
346	2/4/2021 15:50	0	0	0
347	2/4/2021 15:51	0	0	0
348	2/4/2021 15:52	0	0	0
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355	2/4/2021 15:59	0	0	0
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357	2/4/2021 16:01	0	0	0
358	2/4/2021 16:02	0	0	0
359	2/4/2021 16:03	0	0	0
360	2/4/2021 16:04	0	0	0
361	2/4/2021 16:05	0	0	0
362	2/4/2021 16:06	0	0	0
363	2/4/2021 16:07	0	0	0
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366	2/4/2021 16:10	0	0	0
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374	2/4/2021 16:18	0	0	0
375	2/4/2021 16:19	0	0	0
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378	2/4/2021 16:22	0	0	0
379	2/4/2021 16:23	0	0	0
380	2/4/2021 16:24	0	0	0
381	2/4/2021 16:25	0	0	0
382	2/4/2021 16:26	0	0	0
383	2/4/2021 16:27	0	0	0
384	2/4/2021 16:28	0	0	0
385	2/4/2021 16:29	0	0	0
386	2/4/2021 16:30	0	0	0
387	2/4/2021 16:31	0	0	0
388	2/4/2021 16:32	0	0	0
389	2/4/2021 16:33	0	0	0
390	2/4/2021 16:34	0	0	0

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392	2/4/2021 16:36	0	0	0
393	2/4/2021 16:37	0	0	0
394	2/4/2021 16:38	0	0	0
395	2/4/2021 16:39	0	0	0
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402	2/4/2021 16:46	0	0	0
403	2/4/2021 16:47	0	0	0
404	2/4/2021 16:48	0	0	0
405	2/4/2021 16:49	0	0	0
406	2/4/2021 16:50	0	0	0
407	2/4/2021 16:51	0	0	0
408	2/4/2021 16:52	0	0	0
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410	2/4/2021 16:54	0	0	0
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412	2/4/2021 16:56	0	0	0
413	2/4/2021 16:57	0	0	0
414	2/4/2021 16:58	0	0	0
415	2/4/2021 16:59	0	0	0
416	2/4/2021 17:00	0	0	0
417	2/4/2021 17:01	0	0	0
418	2/4/2021 17:02	0	0	0
419	2/4/2021 17:03	0	0	0
420	2/4/2021 17:04	0	0	0
421	2/4/2021 17:05	0	0.2	0
422	2/4/2021 17:06	0	0	0
423	2/4/2021 17:07	0	0	0
424	2/4/2021 17:08	0	0	0
Peak		0	0.2	0
Min		0	0	0
Average		0	0	0

****

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	2/4/2021 10:05	0	---
2	2/4/2021 10:06	0	---
3	2/4/2021 10:07	0	---
4	2/4/2021 10:08	0	---
5	2/4/2021 10:09	0	---

6	2/4/2021 10:10	0	---
7	2/4/2021 10:11	0	---
8	2/4/2021 10:12	0	---
9	2/4/2021 10:13	0	---
10	2/4/2021 10:14	0	---
11	2/4/2021 10:15	0	---
12	2/4/2021 10:16	0	---
13	2/4/2021 10:17	0	---
14	2/4/2021 10:18	0	---
15	2/4/2021 10:19	0	0
16	2/4/2021 10:20	0	0
17	2/4/2021 10:21	0	0
18	2/4/2021 10:22	0	0
19	2/4/2021 10:23	0	0
20	2/4/2021 10:24	0	0
21	2/4/2021 10:25	0	0
22	2/4/2021 10:26	0	0
23	2/4/2021 10:27	0	0
24	2/4/2021 10:28	0	0
25	2/4/2021 10:29	0	0
26	2/4/2021 10:30	0	0
27	2/4/2021 10:31	0	0
28	2/4/2021 10:32	0	0
29	2/4/2021 10:33	0	0
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31	2/4/2021 10:35	0	0
32	2/4/2021 10:36	0	0
33	2/4/2021 10:37	0	0
34	2/4/2021 10:38	0	0
35	2/4/2021 10:39	0	0
36	2/4/2021 10:40	0	0
37	2/4/2021 10:41	0	0
38	2/4/2021 10:42	0	0
39	2/4/2021 10:43	0	0
40	2/4/2021 10:44	0	0
41	2/4/2021 10:45	0	0
42	2/4/2021 10:46	0	0
43	2/4/2021 10:47	0	0
44	2/4/2021 10:48	0	0
45	2/4/2021 10:49	0	0
46	2/4/2021 10:50	0	0
47	2/4/2021 10:51	0	0
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49	2/4/2021 10:53	0	0
50	2/4/2021 10:54	0	0
51	2/4/2021 10:55	0	0
52	2/4/2021 10:56	0	0

53	2/4/2021 10:57	0	0
54	2/4/2021 10:58	0	0
55	2/4/2021 10:59	0	0
56	2/4/2021 11:00	0	0
57	2/4/2021 11:01	0	0
58	2/4/2021 11:02	0	0
59	2/4/2021 11:03	0	0
60	2/4/2021 11:04	0	0
61	2/4/2021 11:05	0	0
62	2/4/2021 11:06	0	0
63	2/4/2021 11:07	0	0
64	2/4/2021 11:08	0	0
65	2/4/2021 11:09	0	0
66	2/4/2021 11:10	0	0
67	2/4/2021 11:11	0	0
68	2/4/2021 11:12	0	0
69	2/4/2021 11:13	0	0
70	2/4/2021 11:14	0	0
71	2/4/2021 11:15	0	0
72	2/4/2021 11:16	0	0
73	2/4/2021 11:17	0	0
74	2/4/2021 11:18	0	0
75	2/4/2021 11:19	0	0
76	2/4/2021 11:20	0	0
77	2/4/2021 11:21	0	0
78	2/4/2021 11:22	0	0
79	2/4/2021 11:23	0	0
80	2/4/2021 11:24	0	0
81	2/4/2021 11:25	0	0
82	2/4/2021 11:26	0	0
83	2/4/2021 11:27	0	0
84	2/4/2021 11:28	0	0
85	2/4/2021 11:29	0	0
86	2/4/2021 11:30	0	0
87	2/4/2021 11:31	0	0
88	2/4/2021 11:32	0	0
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91	2/4/2021 11:35	0	0
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94	2/4/2021 11:38	0	0
95	2/4/2021 11:39	0	0
96	2/4/2021 11:40	0	0
97	2/4/2021 11:41	0	0
98	2/4/2021 11:42	0	0
99	2/4/2021 11:43	0	0

100	2/4/2021 11:44	0	0
101	2/4/2021 11:45	0	0
102	2/4/2021 11:46	0	0
103	2/4/2021 11:47	0	0
104	2/4/2021 11:48	0	0
105	2/4/2021 11:49	0	0
106	2/4/2021 11:50	0	0
107	2/4/2021 11:51	0	0
108	2/4/2021 11:52	0	0
109	2/4/2021 11:53	0	0
110	2/4/2021 11:54	0	0
111	2/4/2021 11:55	0	0
112	2/4/2021 11:56	0	0
113	2/4/2021 11:57	0	0
114	2/4/2021 11:58	0	0
115	2/4/2021 11:59	0	0
116	2/4/2021 12:00	0	0
117	2/4/2021 12:01	0	0
118	2/4/2021 12:02	0	0
119	2/4/2021 12:03	0	0
120	2/4/2021 12:04	0	0
121	2/4/2021 12:05	0	0
122	2/4/2021 12:06	0	0
123	2/4/2021 12:07	0	0
124	2/4/2021 12:08	0	0
125	2/4/2021 12:09	0	0
126	2/4/2021 12:10	0	0
127	2/4/2021 12:11	0	0
128	2/4/2021 12:12	0	0
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142	2/4/2021 12:26	0	0
143	2/4/2021 12:27	0	0
144	2/4/2021 12:28	0	0
145	2/4/2021 12:29	0	0
146	2/4/2021 12:30	0	0

147	2/4/2021 12:31	0	0
148	2/4/2021 12:32	0	0
149	2/4/2021 12:33	0	0
150	2/4/2021 12:34	0	0
151	2/4/2021 12:35	0	0
152	2/4/2021 12:36	0	0
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172	2/4/2021 12:56	0	0
173	2/4/2021 12:57	0	0
174	2/4/2021 12:58	0	0
175	2/4/2021 12:59	0	0
176	2/4/2021 13:00	0	0
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