Pfeiffer, Jane K - DNR

From: Robert Reineke <rreineke@ksinghengineering.com>
Sent: Thursday, December 1, 2022 6:23 PM
To: Pfeiffer, Jane K - DNR; Shane LaFave
Cc: Hedman, Curtis J - DHS; Mylotta, Pamela A - DNR; Que El-Amin; Pratap Singh
Subject: RE: Community Within the Corridor West Block (02/41-587376) - Immediate Action Required
Attachments: Summa Canister Results Figure.pdf; Report - Summas.pdf; COC5041691.pdf

Hello Jane,

Thank you for contacting us.

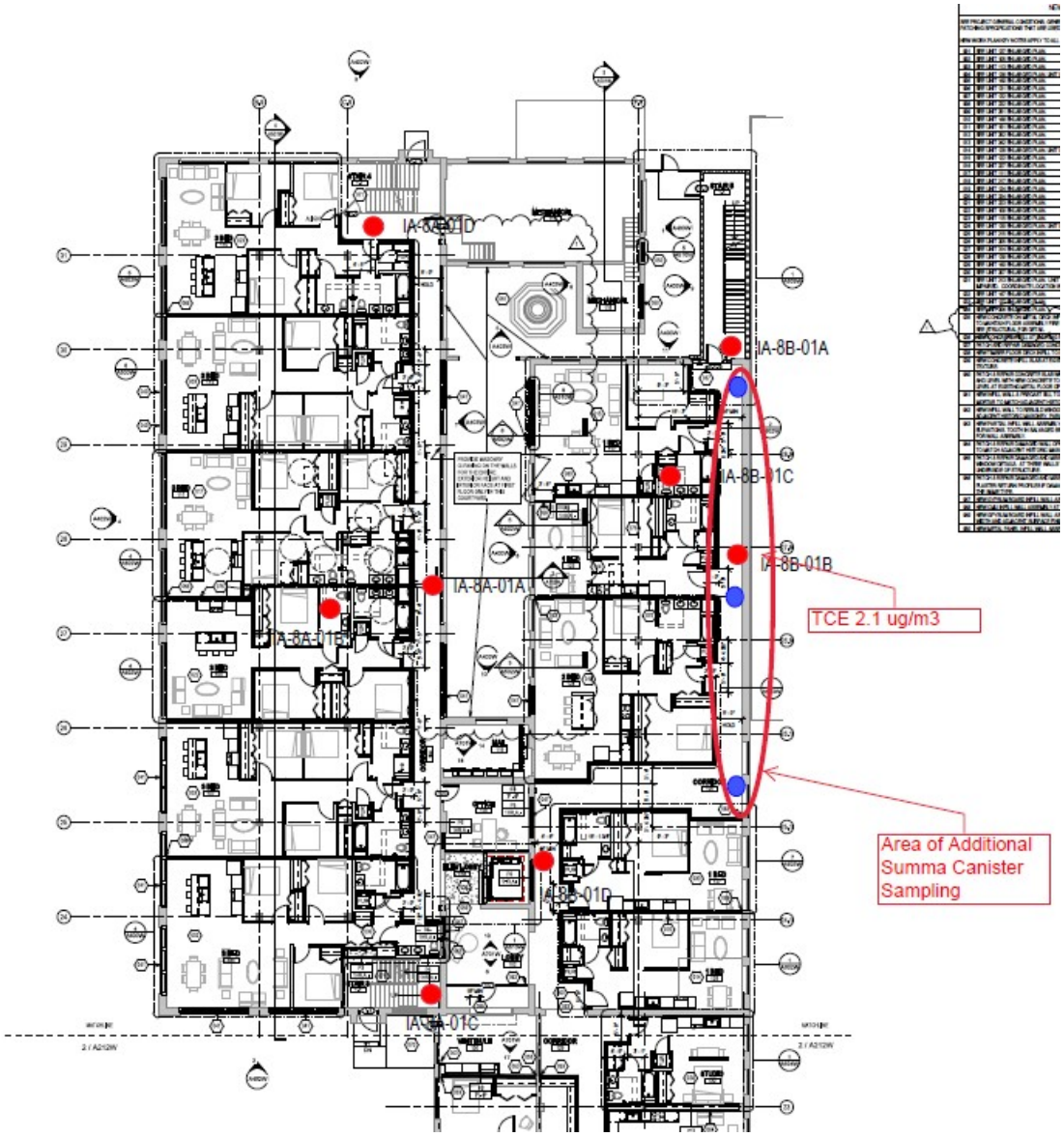
At this point, we do not concur with the DNR that TCE exceeds VALs as we performed additional sampling after the Commissioning Report was submitted. Some background:

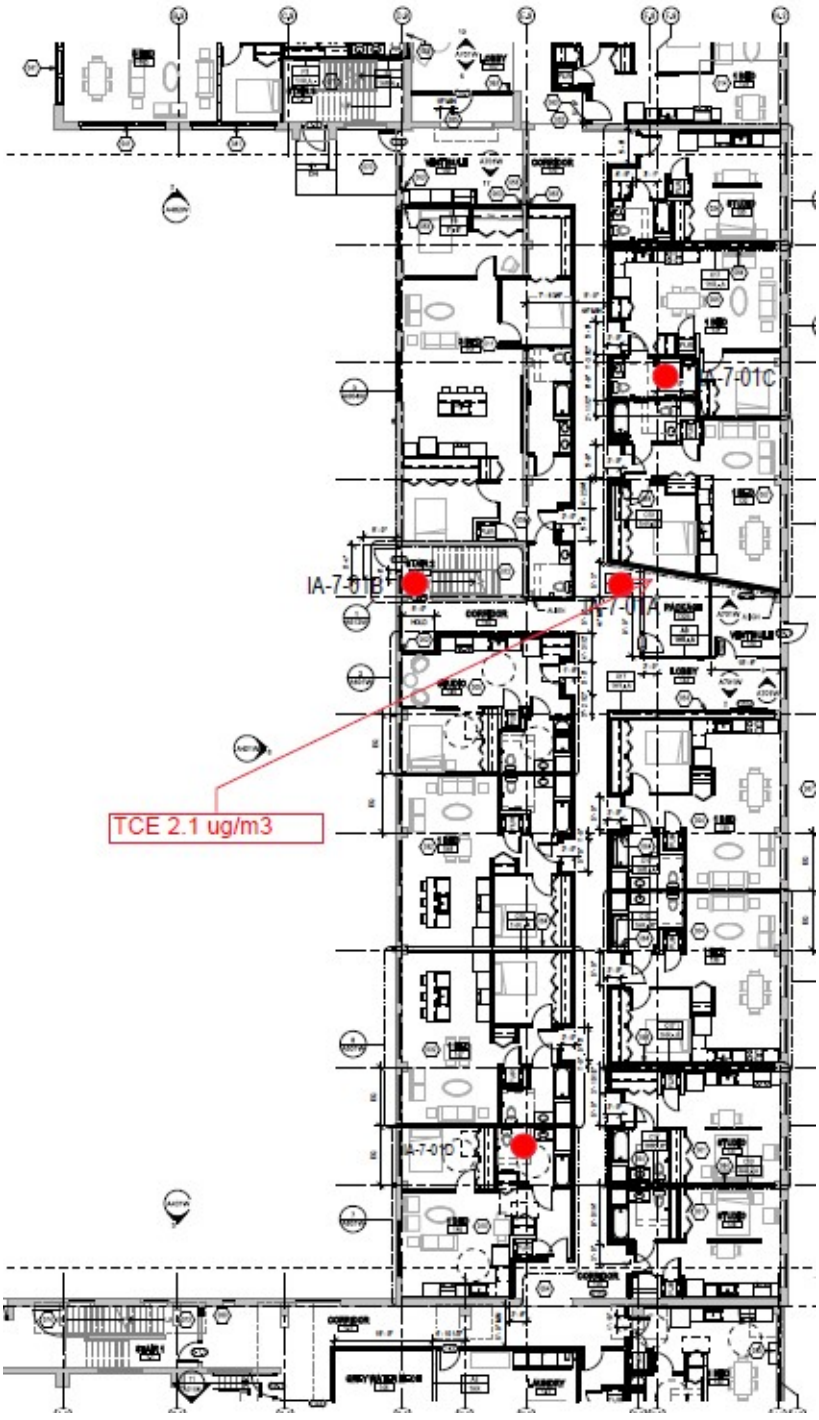
The second round of commissioning was performed using Passive Samplers in September 2022.

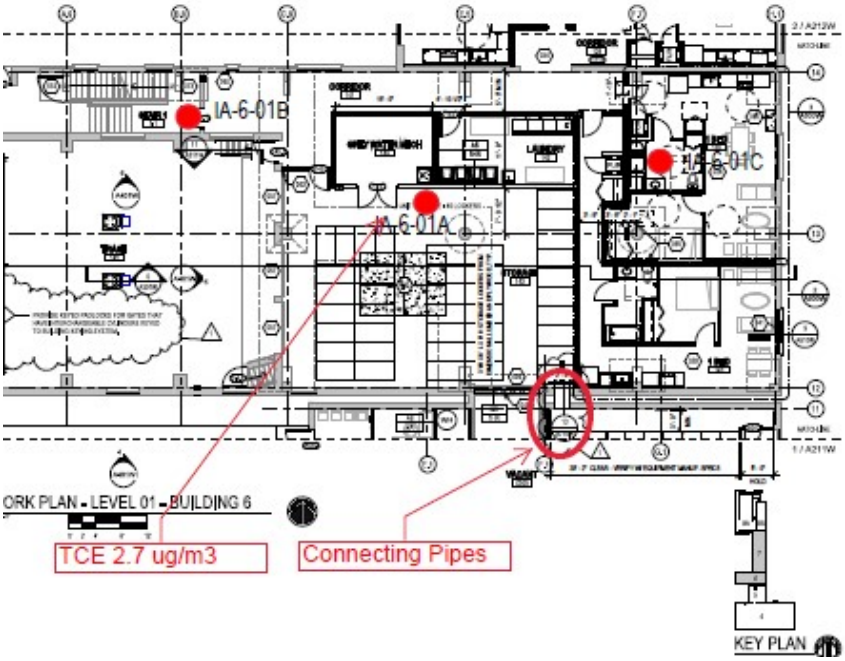
Three results were reported exceeding the VAL for TCE.

The sample IA-6-01A (Storage Room # 142) where a concentration of 2.7 ug/m3 was detected,
Hallway sample IA-7-01A where a concentration of 2.1 ug/m3 was detected, and
Hallway sample IA-8B-01B where a concentration of 2.1 ug/m3 was detected.

Locations of the Air Samples are shown below.


IA-8A-01D
IA-8B-01A
IA-8B-01C
IA-8B-01B
IA-8A-01A
IA-8A-01B
IA-8A-01D
IA-8A-01C
TCE 2.1 ug/m3
Area of Additional Summa Canister Sampling

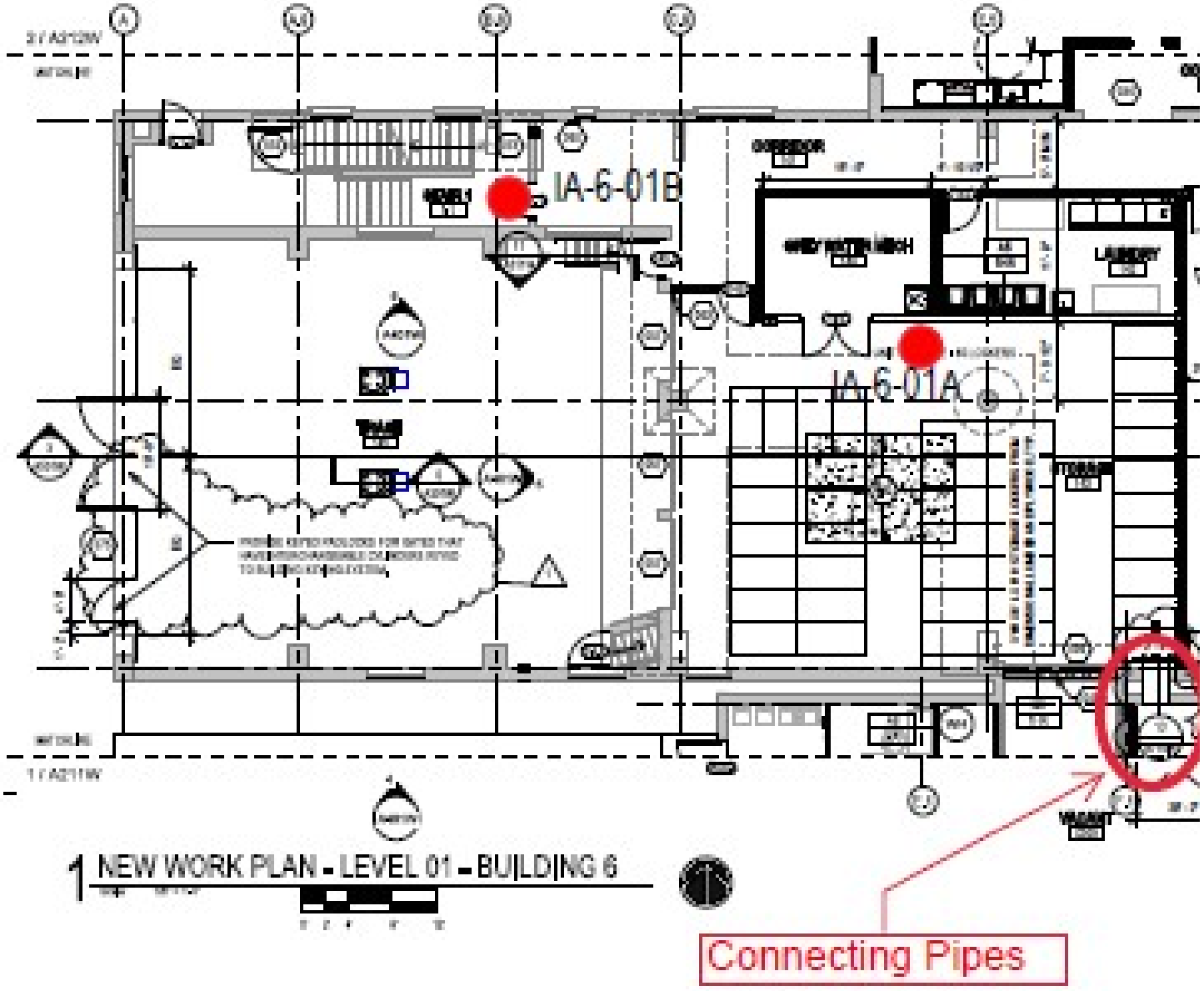

7-01C
IA-7-01B
7-01A
TCE 2.1 ug/m3
IA-7-01C

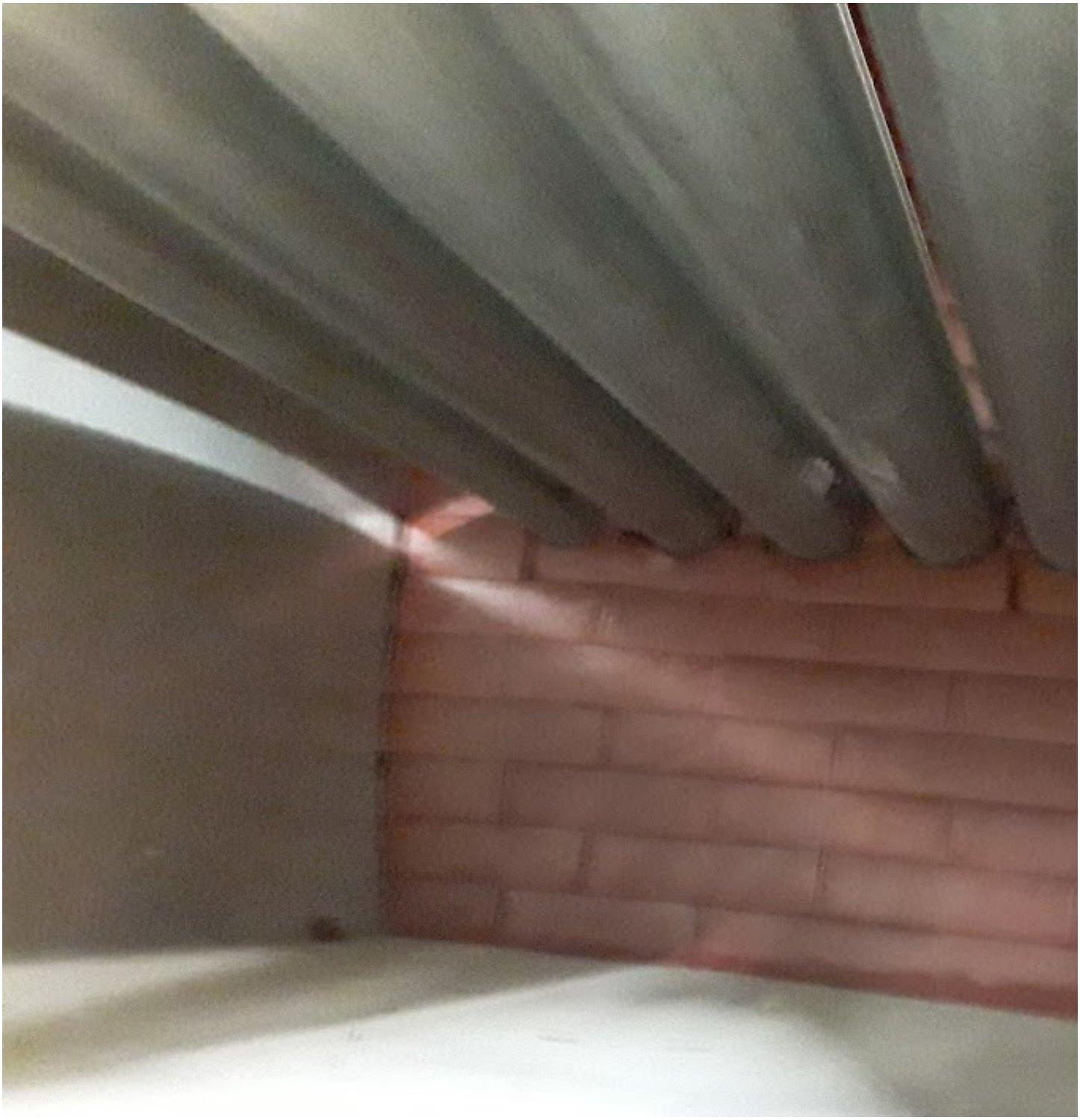


Results were submitted to WDNR in a status report dated November 1, 2022. However, outside air had a TCE concentration of 0.29 ug/m3. Additional air sampling, consisting of 3 Summa Canister, was performed in the Hallway, samples collected at south end (IA-1-WB), middle (IA-2-WB), and north end (IA-3-WB), near IA-8B-01B on November 2, 2022. The Summa canisters collected on November 2, 2022 were all less than 0.237 ug/m3 for TCE demonstrating compliance with VALs. Please see the lab report and a figure showing the location of sampling and results attached.

We believe that Buildings 7 and 6 will all show a similar decrease for TCE in indoor air and comply with VALs. We commenced with our 3rd round of commissioning sampling on November 30, 2022 as scheduled. We request that WDNR consider the Summa results and the 3rd round of commissioning results before concluding that indoor air is impacted with TCE.

Nevertheless, when passive sampling was performed, an inspection was performed for potential routes of entry. The storage room appears to be the potential entry point into the building. Inspecting the storage room, there is a small tunnel containing 7 pipes connecting two Buildings 4 and 5. Given that the basement of building 6 did not exceed VALs nor did 2nd floor samples, this is likely the source of the TCE as the vapor mitigation system is not operating in Building 4 and 5 yet. See a photo of the connection below.


IA-6-01B
IA-6-01A
1 NEW WORK PLAN - LEVEL 01 - BUILDING 6
Connecting Pipes



There appear to be gaps in the fire bricks. Our understanding is that the fire bricks expand when heated sealing those gaps. We are reviewing whether the fire code allows for sealing between the bricks or whether it would affect the fire rating. If the fire code allows, we will take steps to seal the brick gaps as soon as possible.

In regards to WDNR's request to notify the tenants, we request an extension of the deadline until after a) the DNR has considered the Summa canister test results, and b) the DNR has had an opportunity to consider the third round of passive air sampling test results. With the Summa canister and background air data contradicting the passive air sampler test results, we believe that further evaluation of the data is needed and that notifying the tenants now will just create a panic that may not be based on continuing environmental conditions.

We propose the following action and schedules.

1. Passive air sampling will be completed on December 7, 2022 and shipped overnight to the lab for analysis.
2. We anticipate receiving results on December 22, 2022 by end of day. Within 24 hours of receipt we will analyze the data and report results to WDNR.
3. If TCE exceedances are reported, Community within the Corridor will notify the tenants via email within 3 working days of the WDNR being notified.
4. In the interim period between passive air sampling and the receipt of results, arrangements will be made for activated carbon air purifiers to be brought on site to remove TCE from indoor air. The activated carbon air purifiers will be deployed if the air results indicate TCE in air greater than VALs.
5. Arrangements will also be made in the interim period between passive air sampling and the receipt of results for the rental of a portable gas chromatograph/electron capture detector GC/ECD unit. If there are no VAL exceedances for TCE, a real time investigation will not be beneficial. If VAL exceedances are detected, then the GC/ECD unit investigation will be performed. The GC/ECD investigation will be performed prior to activating any interim measure such as installation of activated carbon air purifying units, and following activation of the units to determine their performance. We will update the WDNR on the availability of such units and the potential schedule for such an investigation.

We appreciate WDNR's involvement with this project. Please let us know if you would like to discuss this plan of action further.

Robert Reineke, PE
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From: Pfeiffer, Jane K - DNR <jane.pfeiffer@wisconsin.gov>
Sent: Tuesday, November 29, 2022 3:59 PM
To: Shane LaFave <shane@roerscompanies.com>; Robert Reineke <rreineke@ksinghengineering.com>
Cc: Hedman, Curtis J - DHS <Curtis.Hedman@dhs.wisconsin.gov>; Mylotta, Pamela A - DNR <Pamela.Mylotta@wisconsin.gov>; Que El-Amin <que@scott-crawford.com>; Pratap Singh <psingh@ksinghengineering.com>
Subject: Community Within the Corridor West Block (02/41-587376) - Immediate Action Required
Importance: High

Greetings Shane and Robert,

I just called and left voicemails for each of you concerning the subject site. The Department of Natural Resources (DNR) reviewed the second round of vapor mitigation system (VMS) commissioning data, collected in September 2022 and received on November 11 and 23, 2022, without a DNR review fee. The data was submitted on behalf of Community Within the Corridor Limited Partnership by K. Singh & Associated, Inc. The results show that trichloroethylene (TCE) was found at concentrations that equal or exceed its applicable vapor action level (VAL) of 2.1 micrograms per cubic meter ($\mu g/m^3$) at three separate locations. The DNR understands that these three locations are located in communal spaces/hallways, not within any residential units.

TCE poses a short-term (i.e., acute) health risk to certain populations when identified in indoor air at concentrations exceeding its VAL. More specifically, TCE presents an acute risk of fetal heart malformation that may occur when a

pregnant mother is exposed to TCE vapors in the first trimester of pregnancy, as indicated in Section 3.4.1 of DNR's Vapor Intrusion guidance, *Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin*, RR-800. Given that the Community Within the Corridor West Block consists of several adjoined, multi-level apartment buildings that include 1-3 bedroom units, it is likely that women of child-bearing years are present within the site buildings. Attached is a letter, dated March 25, 2021, from the Department of Health Services (DHS) to the DNR that presents additional information on acute health risks and recommended timeframes for follow-up actions that are required in Code to address threats to health. More specifically, DHS indicates that a VMS should be installed within two weeks and that women in the above-described sensitive demographic should be consulted about these TCE health risks in order for them to make informed decisions about whether to stay within the dwelling, given the TCE identified greater than its residential VAL at select locations. This notification of the data and health risk to the tenants by the responsible party (RP) is also required in Wis. Admin. Code §§ NR 714 & NR 716.14.

Considering the above-information, the following actions are required, per Wis. Admin. Code:

1. Wis. Admin. Code § NR 716.01 states that the purpose of site investigation is to determine the nature, degree and extent of contamination and to define the sources of contamination. Additional investigation of indoor air contamination is required to determine the source of the indoor air contamination along with its degree and extent. This investigation should occur as soon as possible. The DNR strongly suggests the additional investigation into the source of the TCE in indoor air be performed by continuous monitoring technology using a portable gas chromatograph/electron capture detector GC/ECD unit. This methodology allows for real-time data to be collected and close to 160 samples can be collected in a day. The primary goal is to quickly identify the source of the TCE and modify the VMS, if necessary, to assure it is protective of human health from the environmental contamination. **Present your plan and a schedule to accomplish this additional investigation to the DNR by Thursday, December 1, 2022**. The quick timeframe is due to the potential for acute risk. Attached is a document about the GC/ECD methodology and listed below is a contact person that can answer questions concerning this methodology :
    a. Vapor Safe® – The World Leader in Real Time Chemical Vapor and Monitoring Solutions
    b. Mark Kram, Ph.D., CGWP
    Groundswell Technologies, LLC
    7127 Hollister Ave., Suite 25A-108
    Goleta, CA 93117 USA
    805-899-8142 (office)
    805-844-6854 (cell)
    mark.kram@groundswelltech.com
    www.groundswelltech.com

2. Per Wis. Admin. Code § NR 714.07, the responsible party (RP) shall conduct necessary notification activities considering the threats to public health, safety or welfare. This notification must include the following:
    a. A description of the contamination;
    b. The response actions that are planned or underway;
    c. Phone numbers and addresses of persons to contact regarding the information. Contacts should include a representative for the RP and should also include myself as the DNR Project Manager and Curtis Hedman (cc'd on this email, (609) 287-4152, Curtis.Hedman@dhs.wisconsin.gov) as the Environmental Health contact with DHS.

    Wis. Admin. Code § NR 716.14 requires the RP to report all sampling results to the occupants of the property. Due to the amount of data and the number of occupants, a summary of the data is recommended with contact information for tenants to obtain more details.

    Wis. Admin. Code § NR 714.07 includes additional details on different methods of notifying that may be used. The DNR recommends that letters and/or leaflets be distributed to each of the tenants that are presently

occupying the building to ensure all occupants receive the notification. DNR and DHS are also able to assist with an informational meeting with your tenants following tenant notification, if desired.

Each of these Wis. Admin. Codes (NR 714.07 & NR 716.14) must be reviewed and implemented as you prepare and present your notifications for and to the occupants of the property. DNR strongly recommends DHS's, *TCE in Indoor Air*, fact sheet (document here) be included with your notifications along with DNR's guidance document, *What is Vapor Intrusion?*, RR-892. **Notifications to all occupants should be sent by Tuesday, December 6, 2022.** Copies of the notifications and attachments must be submitted to the DNR.

Please do not hesitate to reach out should you have any questions concerning the information presented in this email.

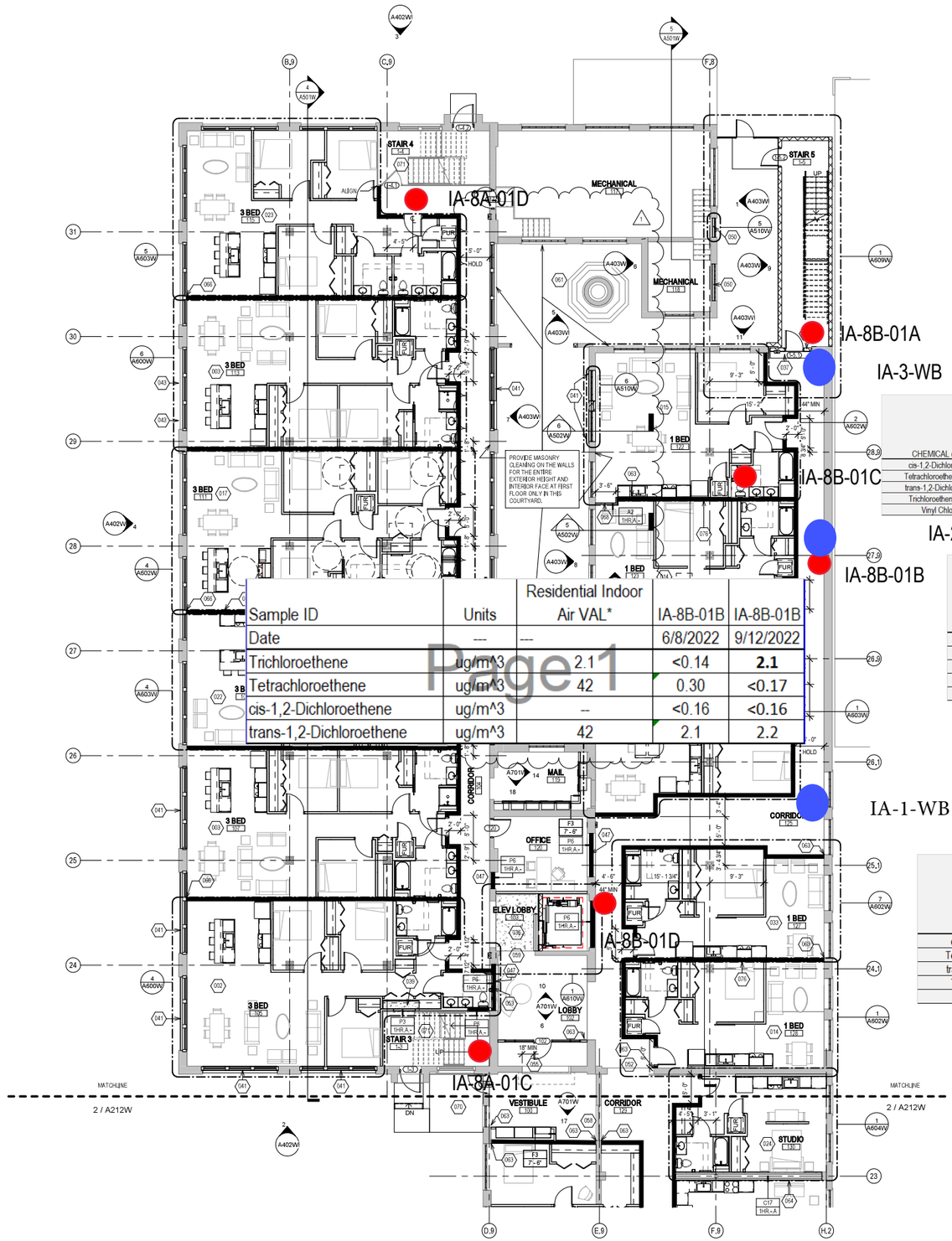
Thank you, Jane

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Jane K. Pfeiffer
Hydrogeologist - Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
Phone: (414) 435-8021

jane.pfeiffer@wisconsin.gov

dnr.wi.gov



1 NEW WORK PLAN - LEVEL 01 - BUILDING 8A & 8B
Scale 1/8" = 1'-0"
0 2 4 8 12

Sample ID	Units	Residential Indoor Air VAL*	IA-8B-01B	IA-8B-01B
Date	---	---	6/8/2022	9/12/2022
Trichloroethene	ug/m^3	2.1	<0.14	**2.1**
Tetrachloroethene	ug/m^3	42	0.30	<0.17
cis-1,2-Dichloroethene	ug/m^3	--	<0.16	<0.16
trans-1,2-Dichloroethene	ug/m^3	42	2.1	2.2

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

001 SEE UNIT 137 ENLARGED PLAN.
002 SEE UNIT 105 ENLARGED PLAN.
003 SEE UNIT 113 ENLARGED PLAN.
004 SEE UNIT 136 ENLARGED PLAN. UNIT MAY BE MIRRORED.
005 SEE UNIT 149 ENLARGED PLAN.
006 SEE UNIT 131 ENLARGED PLAN.
007 SEE UNIT 132 ENLARGED PLAN.
008 SEE UNIT 232 ENLARGED PLAN.
009 SEE UNIT 251 ENLARGED PLAN.
010 SEE UNIT 146 ENLARGED PLAN.
011 SEE UNIT 151 ENLARGED PLAN.
012 SEE UNIT 252 ENLARGED PLAN.
013 SEE UNIT 242 ENLARGED PLAN.
014 SEE UNIT 128 ENLARGED PLAN. UNIT MAY BE MIRRORED.
015 SEE UNIT 122 ENLARGED PLAN.
016 SEE UNIT 227 ENLARGED PLAN.
017 SEE UNIT 111 ENLARGED PLAN.
018 SEE UNIT 217 ENLARGED PLAN.
019 SEE UNIT 124 ENLARGED PLAN.
020 SEE UNIT 224 ENLARGED PLAN.
021 SEE UNIT 223 ENLARGED PLAN.
022 SEE UNIT 109 ENLARGED PLAN.
023 SEE UNIT 115 ENLARGED PLAN.
024 SEE UNIT 130 ENLARGED PLAN. UNIT MAY BE MIRRORED.
025 SEE UNIT 215 ENLARGED PLAN.
026 SEE UNIT 205 ENLARGED PLAN.
027 SEE UNIT 314 ENLARGED PLAN.
028 SEE UNIT 139 ENLARGED PLAN.
029 SEE UNIT 140 ENLARGED PLAN.
030 SEE UNIT 207 ENLARGED PLAN.
031 SEE UNIT 213 ENLARGED PLAN. UNIT TO INCLUDE AUDIO AND VISUAL ALARM DEVICES FOR THE HEARING AND VISUALLY IMPAIRED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS.
032 SEE UNIT 147 ENLARGED PLAN.
033 SEE UNIT 122 ENLARGED PLAN.
034 SEE UNIT 206 ENLARGED PLAN.
035 NEW CONCRETE ON METAL DECK INFILL WITH SPRAY-APPLIED FIRE RESISTIVE MATERIAL AT NEW STEEL BEAMS AND ANGLES TO MAINTAIN FLOOR ASSEMBLY FIRE RATING. SEE OVERVIEW FLOOR PLANS FOR REQUIRED FLOOR ASSEMBLY FIRE RATINGS. SEE STRUCTURAL FOR DETAIL.
036 NEW CONCRETE INFILL AT EXISTING PIT, MATCH ADJACENT FLOOR LEVEL, FINISH AND TEXTURE.
037 PATCH AND REPAIR DAMAGED CONCRETE SLAB. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
038 NEW TIMBER FLOOR DECK INFILL TO MATCH EXISTING. SEE STRUCTURAL.
039 NEW CONCRETE INFILL SLAB AT EXISTING SUNKEN STAIR PIT. MATCH ADJACENT FLOOR LEVEL, FINISH AND SURFACE TEXTURE.
040 PATCH & REPAIR CONCRETE SLAB WHERE EMBEDDED METAL PLATES AND/OR METAL TRENCH COVERS WERE REMOVED. FILL AND LEVEL WITH NEW CONCRETE TO MATCH ADJACENT SURFACE LEVEL AND FINISH TEXTURE. FEATHER CONCRETE TO LEVEL AT EXISTING METAL FLOOR OPENING FRAMES IF PRESENT.
041 NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING, SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY.
042 NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING IN EXISTING WALL BELOW SILL AT FLOOR LEVEL. SEE ELEVATIONS. TOOTH IN SALVAGED MASONRY WITH NEW MORTAR TO MATCH ADJACENT HISTORIC MASONRY. SEE DETAIL 7/A510W
043 NEW INFILL WALL & PRECAST SILL TO REBUILD WINDOW OPENING. SEE ELEVATIONS. TOOTH IN SALVAGED BRICK WITH NEW MORTAR AND PROVIDE NEW SILL
044 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENINGS. PATCH AND REPAIR EXISTING RADIUSED PLASTER AT JAMB, HEAD AND SILL TO MATCH EXISTING RETURNS. SEE DETAIL 1/A710W. NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING OPENINGS WITH FURRING WITH 5/8" GWB EXTENDING FROM FLOOR TO TOP OF WALL AT ADJACENT WINDOWS OF SAME ROOM. SEE DETAIL 2/A710W.
045 NEW CONCRETE INFILL AT EXISTING OPENING. SEE DETAIL 1/A710W.
046 NEW CONCRETE INFILL AT EXISTING OPENING. SEE DETAIL 2/A710W.
047 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
048 NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.
049 NEW GYPSUM BOARD INFILL WALL ASSEMBLY AT EXISTING NON-HISTORIC WALL OPENING. MATCH EXISTING WALL ASSEMBLY WIDTH AND ADJACENT SURFACE FINISH.
050 NEW METAL PANEL INFILL WALL ASSEMBLY AT EXISTING EXTERIOR MASONRY WALL OPENING. SEE DETAIL 5/A510W.

CHEMICAL (ug/m^3)	VALs AF = 0.03 RESIDENTIAL	VALs AF=0.03 SMALL COMMERCIAL	VALs AF = 0.01 LARGE COMMERCIAL / INDUSTRIAL	IA-3-WB 11/2/2022 ug/m^3
cis-1,2-Dichloroethene	---	---	---	< 0.197
Tetrachloroethene (PCE)	42	180	180	1.29
trans-1,2-Dichloroethene	42	180	180	2.65
Trichloroethene (TCE)	2.1	8.8	8.8	< 0.237
Vinyl Chloride	1.7	28	28	<0.148

CHEMICAL (ug/m^3)	VALs AF = 0.03 RESIDENTIAL	VALs AF=0.03 SMALL COMMERCIAL	VALs AF = 0.01 LARGE COMMERCIAL / INDUSTRIAL	IA-2-WB 11/2/2022 ug/m^3
cis-1,2-Dichloroethene	---	---	---	< 0.197
Tetrachloroethene (PCE)	42	180	180	1.43
trans-1,2-Dichloroethene	42	180	180	2.81
Trichloroethene (TCE)	2.1	8.8	8.8	< 0.237
Vinyl Chloride	1.7	28	28	< 0.148

CHEMICAL (ug/m^3)	VALs AF = 0.03 RESIDENTIAL	VALs AF=0.03 SMALL COMMERCIAL	VALs AF = 0.01 LARGE COMMERCIAL / INDUSTRIAL	IA-1-WB 11/2/2022 ug/m^3
cis-1,2-Dichloroethene	---	---	---	< 0.197
Tetrachloroethene (PCE)	42	180	180	1.22
trans-1,2-Dichloroethene	42	180	180	2.81
Trichloroethene (TCE)	2.1	8.8	8.8	< 0.237
Vinyl Chloride	1.7	28	28	< 0.148

NEW WORK PLAN KEY NOTES - 1/8" PLANS

SEE PROJECT GENERAL CONDITIONS, GENERAL INFORMATION ON SHEET A001W AND SELECTIVE DEMOLITION, CUTTING AND PATCHING SPECIFICATIONS THAT ARE USED IN ASSOCIATION WITH THESE NOTES.

NEW WORK PLAN KEY NOTES APPLY TO ALL 1/8" NEW WORK DRAWINGS AND MAY NOT BE USED ON EVERY SHEET.

051 NEW METAL PANEL NON-WALL ASSEMBLY AT EXISTING WINDOW OPENING. SEE DETAIL 4/A510W.
052 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A FULLY OPEN POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
053 EXISTING HISTORIC SLIDING FIRE DOOR ASSEMBLY TO REMAIN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAZ Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
054 REINSTALL SALVAGED HISTORIC SLIDING FIRE DOOR ASSEMBLY AND HARDWARE FROM THIS OPENING TO NEW ORIENTATION AS SHOWN. SECURE SLIDING DOOR IN A CLOSED POSITION WITH METAL Z-BRACKETS. PREPARE ENTIRE ASSEMBLY FOR NEW PAINTED FINISH.
055 EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY OPEN POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
056 EXISTING HISTORIC COILING OVERHEAD DOOR ASSEMBLY TO REMAIN. SECURE COILING DOOR IN A FULLY CLOSED POSITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
057 EXISTING HISTORIC OVERHEAD DOOR ASSEMBLY TO REMAIN. REPAIR TRACK AND HARDWARE TO RETURN DOOR TO OPERATING CONDITION. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH.
058 EXISTING STEEL SASH WINDOW ASSEMBLY TO REMAIN. PREPARE ENTIRE ASSEMBLY FOR PAINTED FINISH. REPLACE BROKEN OR MISSING PANES OF GLASS WITH NEW GLASS TO MATCH EXISTING.
059 NEW OPENING IN EXISTING CMU WALL. TOOTH IN NEW CMU AND MORTAR TO MATCH EXISTING.
060 EXISTING GLAZED WALL TILE TO REMAIN. PROTECT DURING CONSTRUCTION.
061 TUCKPOINT AND REPAIR EXISTING CHIMNEY TO MACH EXISTING MATERIALS. SEE EXTERIOR MASONRY REPORT AND DRAWINGS.
062 EXISTING WOOD SINGLE HUNG WINDOW FRAME, SASH AND ALL CASING/TRIM TO REMAIN. PREPARE EXISTING INTERIOR & EXTERIOR SURFACES FOR NEW PAINT. REPLACE MISSING AND/OR BROKEN GLASS TO MATCH EXISTING AND INSTALL NEW GLAZING PUTTY AT ALL PANES. INSTALL NEW INTERIOR STORM WINDOWS. SEE DETAIL 13/A510W.
063 ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC MASONRY OPENING.
064 ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTERLINE OF HISTORIC COLUMN, OR BEAM ABOVE.
065 ALIGN EDGE OF DEMISING WALL WITH EDGE OF HISTORIC CONCRETE DROP SLAB.
066 ALIGN CENTER OF DEMISING WALL PARTITION WITH CENTERLINE OF WINDOW MULLION.
067 ALIGN EDGE OF DEMISING WALL WITH OUTER EDGE OF LIGHT MONITOR VOLUME.
068 ALIGN CENTER OF DEMISING WALL OR PARTITION WITH CENTER OF HISTORIC SKYLIGHT MULLION ABOVE.
069 NEW 2'X2' ACCESS DOOR W/ 3-HR RATING @ WALL TO ABANDONED MECHANICAL TUNNEL.
070 NEW CONCRETE SLAB AT EXISTING STOOP TO MATCH FLOOR HEIGHT AT BUILDING 7. SEE STRUCTURAL.
071 EXISTING WOOD STAIR, GUARD AND HANDRAILS TO REMAIN. PREP ALL SURFACES FOR NEW PAINT.
072 EXISTING WOOD STAIR, GUARD AND HANDRAIL TO REMAIN. REPAIR/REPLACE MISSING BEAD BOARD HANDRAIL SUPPORT AND STAIR RUN AT LEVEL 01 TO 1ST LANDING TO MATCH EXISTING HISTORIC CONDITION PERSENT. PROVIDE NEW STEEL HANDRAILS AT EXISITNG CMU WALLS. PREP ALL SURFACES FOR NEW PAINT.
073 EXISTING CONCRETE STAIR, CMU GUARD WALL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
074 PROVIDE NEW EGRESS BARRIER GATE AT EXISTING STEEL GUARDRAIL. EXISTING CONCRETE STAIR, STEEL GUARDRAIL AND HANDRAIL TO REMAIN. PREP ALL SURFACES FOR NEW FINISHES.
075 NEW CHAINLINK FENCE & GATES W/ PRIVACY SLATS.
076 BUILD TYPE P6 UNIT DEMISING WALL WITH RESILIENT CHANNEL ON THIS SIDE.
077 TAPER CYPCRETE TOPPING 1:20 SLOPE MAX TO MEET EXISTING FINISH LEVEL AT TRANSITION AREA TO STAIRS OR BETWEEN BUILDINGS.
078 NEW TAPERED POLISHED EPOXY FLOOR TOPPING TO TRANSITION FLOOR FINISH LEVEL CHANGE BETWEEN BUILDINGS 6 & 7. TAPER 1:20 SLOPE MAX.
079 PATCH AND REPAIR DAMAGED AND MISSING EXTERIOR STUCCO TO MATCH ADJACENT SURFACE.

GENERAL FLOOR PLAN NOTES TO CONTRACTOR

1. THIS DRAWING IS FURTHER SUPPORTED BY INFORMATION CONTAINED IN THE SPECIFICATION MANUAL.
2. THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AUDIO-VISUAL, AND SECURITY DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INFORMATION CONTAINED IN ALL THE DRAWINGS BEFORE THE INSTALLATION OF ALL WORK.
3. DO NOT SCALE DRAWINGS. CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING CONSTRUCTION.
4. FLOOR ELEVATIONS ARE TO THE TOP OF THE SUB-FLOOR MATERIAL UNLESS OTHERWISE NOTED.
5. CONTRACTORS SHALL JOINTLY PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACKING PLATES, WALL BLOCKING AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF CASEWORK, TOILET ACCESSORIES, PARTITIONS, MILLWORK, AND ALL WORK MOUNTED OR SUSPENDED BY ALL TRADES.

NEW WORK PLAN LEGEND

EXISTING, TO REMAIN
MASONRY PARTITION, SEE PARTITION TYPES FOR DETAILS
METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE A3 -A U.N.O.
METAL STUD PARTITION, SEE PARTITION TYPES FOR DETAILS TYPE P6 1HR -A U.N.O.
X NEW WORK KEY NOTE

PATCH AND INFILL LEGEND

CONCRETE FLOOR OPENING INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.
CONCRETE FLOOR COSMETIC PATCH. V.I.F. EXACT SIZE AND LOCATIONS.
WOOD FLOOR STRUCTURAL INFILL. SEE STRUCTURAL FOR INFILL CONDITIONS. V.I.F. EXACT SIZE AND LOCATIONS.

Passive Sampler Location

Summa Canister Location

KEY PLAN

T 414.220.9640
751 N Jefferson St.
Suite 200
Milwaukee, WI 53202
CONSULTANTS:

COMMUNITY WITHIN THE CORRIDOR - WEST BLOCK
2758 N. 33RD STREET
MILWAUKEE, WI 53210

SHEET TITLE: NEW WORK PLAN - LEVEL 01 - BUILDING 8A & 8B

REVISIONS:
1 10/09/20 ADDENDUM #1

SCALE	VARIES
PROJECT NUMBER	200102
SET TYPE	CONSTRUCTION DOCUMENTS
DATE ISSUED	9/25/20
SHEET NUMBER	A213W

Synergy Environmental Lab, LLC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ROBERT REINEKE
K SINGH & ASSOCIATES
3636 N. 124TH STREET
MILWAUKEE. WI 53222

Report Date *11-Nov-22*

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691A
Sample ID IA-1-WB
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	159	ug/m3	0.299	0.95	1	TO-15		11/9/2022	CJR	10
Benzene	2.59	ug/m3	0.136	0.433	1	TO-15		11/9/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		11/9/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		11/9/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		11/9/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		11/9/2022	CJR	1
1,3-Butadiene	0.91	ug/m3	0.143	0.454	1	TO-15		11/9/2022	CJR	1
Carbon Disulfide	1.24	ug/m3	0.138	0.44	1	TO-15		11/9/2022	CJR	1
Carbon Tetrachloride	3.3	ug/m3	0.307	0.978	1	TO-15		11/9/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		11/9/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		11/9/2022	CJR	1
Chloroform	0.58 "J"	ug/m3	0.3	0.953	1	TO-15		11/9/2022	CJR	1
Chloromethane	2.83	ug/m3	0.831	2.64	1	TO-15		11/9/2022	CJR	1
Cyclohexane	2.99	ug/m3	0.212	0.674	1	TO-15		11/9/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		11/9/2022	CJR	1
1,4-Dichlorobenzene	0.48 "J"	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		11/9/2022	CJR	1
Dichlorodifluoromethane	2.92	ug/m3	0.263	0.836	1	TO-15		11/9/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		11/9/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		11/9/2022	CJR	1
trans-1,2-Dichloroethene	2.81	ug/m3	0.231	0.734	1	TO-15		11/9/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691A
Sample ID IA-1-WB
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		11/9/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		11/9/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		11/9/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		11/9/2022	CJR	1
Ethanol	640	ug/m3	0.152	0.482	1	TO-15		11/9/2022	CJR	10
Ethyl Acetate	3.2	ug/m3	0.176	0.559	1	TO-15		11/9/2022	CJR	1
Ethylbenzene	3.3	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
4-Ethyltoluene	1.67	ug/m3	0.214	0.681	1	TO-15		11/9/2022	CJR	1
Heptane	3.5	ug/m3	0.265	0.845	1	TO-15		11/9/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		11/9/2022	CJR	1
Hexane	10.9	ug/m3	0.235	0.748	1	TO-15		11/9/2022	CJR	1
2-Hexanone	2.7	ug/m3	0.222	0.707	1	TO-15		11/9/2022	CJR	1
Isopropyl Alcohol	14.7	ug/m3	0.109	0.347	1	TO-15		11/9/2022	CJR	1
Methyl ethyl ketone (MEK)	37	ug/m3	0.178	0.567	1	TO-15		11/9/2022	CJR	1
Methyl isobutyl ketone (MIBK)	2.33	ug/m3	0.168	0.536	1	TO-15		11/9/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		11/9/2022	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		11/9/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		11/9/2022	CJR	1
Naphthalene	1.78 "J"	ug/m3	0.675	2.15	1	TO-15		11/9/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		11/9/2022	CJR	1
Styrene	1.66	ug/m3	0.181	0.577	1	TO-15		11/9/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		11/9/2022	CJR	1
Tetrachloroethene	1.22	ug/m3	0.278	0.884	1	TO-15		11/9/2022	CJR	1
Tetrahydrofuran	14.5	ug/m3	0.131	0.417	1	TO-15		11/9/2022	CJR	1
Toluene	13.5	ug/m3	0.184	0.585	1	TO-15		11/9/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		11/9/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		11/9/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		11/9/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		11/9/2022	CJR	1
Trichlorofluoromethane	1.57	ug/m3	0.337	1.07	1	TO-15		11/9/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		11/9/2022	CJR	1
1,2,4-Trimethylbenzene	5.7	ug/m3	0.283	0.899	1	TO-15		11/9/2022	CJR	1
1,3,5-Trimethylbenzene	1.77	ug/m3	0.232	0.739	1	TO-15		11/9/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		11/9/2022	CJR	1
m&p-Xylene	12.1	ug/m3	0.377	1.2	1	TO-15		11/9/2022	CJR	1
o-Xylene	5.1	ug/m3	0.218	0.695	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691B
Sample ID IA-2-WB
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	101	ug/m3	0.299	0.95	1	TO-15		11/9/2022	CJR	10
Benzene	2.84	ug/m3	0.136	0.433	1	TO-15		11/9/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		11/9/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		11/9/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		11/9/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		11/9/2022	CJR	1
1,3-Butadiene	0.91	ug/m3	0.143	0.454	1	TO-15		11/9/2022	CJR	1
Carbon Disulfide	0.44 "J"	ug/m3	0.138	0.44	1	TO-15		11/9/2022	CJR	1
Carbon Tetrachloride	3.9	ug/m3	0.307	0.978	1	TO-15		11/9/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		11/9/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		11/9/2022	CJR	1
Chloroform	0.78 "J"	ug/m3	0.3	0.953	1	TO-15		11/9/2022	CJR	1
Chloromethane	1.94 "J"	ug/m3	0.831	2.64	1	TO-15		11/9/2022	CJR	1
Cyclohexane	3.3	ug/m3	0.212	0.674	1	TO-15		11/9/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		11/9/2022	CJR	1
1,4-Dichlorobenzene	0.42 "J"	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		11/9/2022	CJR	1
Dichlorodifluoromethane	3.2	ug/m3	0.263	0.836	1	TO-15		11/9/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		11/9/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		11/9/2022	CJR	1
trans-1,2-Dichloroethene	2.81	ug/m3	0.231	0.734	1	TO-15		11/9/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		11/9/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		11/9/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		11/9/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		11/9/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		11/9/2022	CJR	1
Ethanol	710	ug/m3	0.152	0.482	1	TO-15		11/9/2022	CJR	10
Ethyl Acetate	2.63	ug/m3	0.176	0.559	1	TO-15		11/9/2022	CJR	1
Ethylbenzene	3.12	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
4-Ethyltoluene	1.47	ug/m3	0.214	0.681	1	TO-15		11/9/2022	CJR	1
Heptane	3.4	ug/m3	0.265	0.845	1	TO-15		11/9/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		11/9/2022	CJR	1
Hexane	7.7	ug/m3	0.235	0.748	1	TO-15		11/9/2022	CJR	1
2-Hexanone	< 0.222	ug/m3	0.222	0.707	1	TO-15		11/9/2022	CJR	1
Isopropyl Alcohol	21.1	ug/m3	0.109	0.347	1	TO-15		11/9/2022	CJR	1
Methyl ethyl ketone (MEK)	22.3	ug/m3	0.178	0.567	1	TO-15		11/9/2022	CJR	1
Methyl isobutyl ketone (MIBK)	1.02	ug/m3	0.168	0.536	1	TO-15		11/9/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		11/9/2022	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		11/9/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691B
Sample ID IA-2-WB
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.94 "J"	ug/m3	0.675	2.15	1	TO-15		11/9/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		11/9/2022	CJR	1
Styrene	1.53	ug/m3	0.181	0.577	1	TO-15		11/9/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		11/9/2022	CJR	1
Tetrachloroethene	1.43	ug/m3	0.278	0.884	1	TO-15		11/9/2022	CJR	1
Tetrahydrofuran	15.7	ug/m3	0.131	0.417	1	TO-15		11/9/2022	CJR	1
Toluene	14.2	ug/m3	0.184	0.585	1	TO-15		11/9/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		11/9/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		11/9/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		11/9/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		11/9/2022	CJR	1
Trichlorofluoromethane	1.85	ug/m3	0.337	1.07	1	TO-15		11/9/2022	CJR	1
Trichlorotrifluoroethane	0.84 "J"	ug/m3	0.402	1.28	1	TO-15		11/9/2022	CJR	1
1,2,4-Trimethylbenzene	5.4	ug/m3	0.283	0.899	1	TO-15		11/9/2022	CJR	1
1,3,5-Trimethylbenzene	1.62	ug/m3	0.232	0.739	1	TO-15		11/9/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		11/9/2022	CJR	1
m&p-Xylene	12.2	ug/m3	0.377	1.2	1	TO-15		11/9/2022	CJR	1
o-Xylene	4.7	ug/m3	0.218	0.695	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691C
Sample ID IA-3-WB
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	84	ug/m3	0.299	0.95	1	TO-15		11/9/2022	CJR	1
Benzene	2.75	ug/m3	0.136	0.433	1	TO-15		11/9/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		11/9/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		11/9/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		11/9/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		11/9/2022	CJR	1
1,3-Butadiene	0.84	ug/m3	0.143	0.454	1	TO-15		11/9/2022	CJR	1
Carbon Disulfide	0.96	ug/m3	0.138	0.44	1	TO-15		11/9/2022	CJR	1
Carbon Tetrachloride	3.4	ug/m3	0.307	0.978	1	TO-15		11/9/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		11/9/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		11/9/2022	CJR	1
Chloroform	0.58 "J"	ug/m3	0.3	0.953	1	TO-15		11/9/2022	CJR	1
Chloromethane	1.82 "J"	ug/m3	0.831	2.64	1	TO-15		11/9/2022	CJR	1
Cyclohexane	3.1	ug/m3	0.212	0.674	1	TO-15		11/9/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		11/9/2022	CJR	1
1,4-Dichlorobenzene	0.36 "J"	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		11/9/2022	CJR	1
Dichlorodifluoromethane	2.92	ug/m3	0.263	0.836	1	TO-15		11/9/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		11/9/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		11/9/2022	CJR	1
trans-1,2-Dichloroethene	2.65	ug/m3	0.231	0.734	1	TO-15		11/9/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		11/9/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		11/9/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		11/9/2022	CJR	1
1,4-Dioxane	< 0.157	ug/m3	0.157	0.5	1	TO-15		11/9/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		11/9/2022	CJR	1
Ethanol	640	ug/m3	0.152	0.482	1	TO-15		11/9/2022	CJR	10
Ethyl Acetate	2.45	ug/m3	0.176	0.559	1	TO-15		11/9/2022	CJR	1
Ethylbenzene	2.86	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
4-Ethyltoluene	1.42	ug/m3	0.214	0.681	1	TO-15		11/9/2022	CJR	1
Heptane	3.4	ug/m3	0.265	0.845	1	TO-15		11/9/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		11/9/2022	CJR	1
Hexane	6.7	ug/m3	0.235	0.748	1	TO-15		11/9/2022	CJR	1
2-Hexanone	0.65 "J"	ug/m3	0.222	0.707	1	TO-15		11/9/2022	CJR	1
Isopropyl Alcohol	16	ug/m3	0.109	0.347	1	TO-15		11/9/2022	CJR	1
Methyl ethyl ketone (MEK)	20.7	ug/m3	0.178	0.567	1	TO-15		11/9/2022	CJR	1
Methyl isobutyl ketone (MIBK)	0.98	ug/m3	0.168	0.536	1	TO-15		11/9/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		11/9/2022	CJR	1
Methylene chloride	< 15	ug/m3	0.159	0.506	1	TO-15		11/9/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691C
Sample ID IA-3-WB
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.41 "J"	ug/m3	0.675	2.15	1	TO-15		11/9/2022	CJR	1
Propene	< 0.079	ug/m3	0.079	0.251	1	TO-15		11/9/2022	CJR	1
Styrene	1.49	ug/m3	0.181	0.577	1	TO-15		11/9/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		11/9/2022	CJR	1
Tetrachloroethene	1.29	ug/m3	0.278	0.884	1	TO-15		11/9/2022	CJR	1
Tetrahydrofuran	14.4	ug/m3	0.131	0.417	1	TO-15		11/9/2022	CJR	1
Toluene	13.5	ug/m3	0.184	0.585	1	TO-15		11/9/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		11/9/2022	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		11/9/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		11/9/2022	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		11/9/2022	CJR	1
Trichlorofluoromethane	1.63	ug/m3	0.337	1.07	1	TO-15		11/9/2022	CJR	1
Trichlorotrifluoroethane	0.77 "J"	ug/m3	0.402	1.28	1	TO-15		11/9/2022	CJR	1
1,2,4-Trimethylbenzene	5.1	ug/m3	0.283	0.899	1	TO-15		11/9/2022	CJR	1
1,3,5-Trimethylbenzene	1.47	ug/m3	0.232	0.739	1	TO-15		11/9/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		11/9/2022	CJR	1
m&p-Xylene	11.5	ug/m3	0.377	1.2	1	TO-15		11/9/2022	CJR	1
o-Xylene	4.7	ug/m3	0.218	0.695	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691D
Sample ID EP-7
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
Acetone	330	ug/m3	0.299	0.95	1	TO-15		11/9/2022	CJR	10
Benzene	3.6	ug/m3	0.136	0.433	1	TO-15		11/9/2022	CJR	1
Benzyl Chloride	< 0.209	ug/m3	0.209	0.665	1	TO-15		11/9/2022	CJR	1
Bromodichloromethane	< 0.374	ug/m3	0.374	1.19	1	TO-15		11/9/2022	CJR	1
Bromoform	< 0.414	ug/m3	0.414	1.32	1	TO-15		11/9/2022	CJR	1
Bromomethane	< 0.2	ug/m3	0.2	0.637	1	TO-15		11/9/2022	CJR	1
1,3-Butadiene	< 0.143	ug/m3	0.143	0.454	1	TO-15		11/9/2022	CJR	1
Carbon Disulfide	5.9	ug/m3	0.138	0.44	1	TO-15		11/9/2022	CJR	1
Carbon Tetrachloride	5.2	ug/m3	0.307	0.978	1	TO-15		11/9/2022	CJR	1
Chlorobenzene	< 0.251	ug/m3	0.251	0.798	1	TO-15		11/9/2022	CJR	1
Chloroethane	< 0.159	ug/m3	0.159	0.507	1	TO-15		11/9/2022	CJR	1
Chloroform	2.68	ug/m3	0.3	0.953	1	TO-15		11/9/2022	CJR	1
Chloromethane	2.23 "J"	ug/m3	0.831	2.64	1	TO-15		11/9/2022	CJR	1
Cyclohexane	4.8	ug/m3	0.212	0.674	1	TO-15		11/9/2022	CJR	1
Dibromochloromethane	< 0.376	ug/m3	0.376	1.2	1	TO-15		11/9/2022	CJR	1
1,4-Dichlorobenzene	0.54 "J"	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,3-Dichlorobenzene	< 0.302	ug/m3	0.302	0.96	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorobenzene	< 0.235	ug/m3	0.235	0.749	1	TO-15		11/9/2022	CJR	1
Dichlorodifluoromethane	6.0	ug/m3	0.263	0.836	1	TO-15		11/9/2022	CJR	1
1,2-Dichloroethane	< 0.24	ug/m3	0.24	0.763	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		11/9/2022	CJR	1
1,1-Dichloroethene	< 0.21	ug/m3	0.21	0.668	1	TO-15		11/9/2022	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		11/9/2022	CJR	1
trans-1,2-Dichloroethene	0.55 "J"	ug/m3	0.231	0.734	1	TO-15		11/9/2022	CJR	1
1,2-Dichloropropane	< 0.28	ug/m3	0.28	0.89	1	TO-15		11/9/2022	CJR	1
trans-1,3-Dichloropropene	< 0.198	ug/m3	0.198	0.63	1	TO-15		11/9/2022	CJR	1
cis-1,3-Dichloropropene	< 0.234	ug/m3	0.234	0.745	1	TO-15		11/9/2022	CJR	1
1,2-Dichlorotetrafluoroethane	< 0.446	ug/m3	0.446	1.42	1	TO-15		11/9/2022	CJR	1
1,4-Dioxane	4.8	ug/m3	0.157	0.5	1	TO-15		11/9/2022	CJR	1
EDB (1,2-Dibromoethane)	< 0.342	ug/m3	0.342	1.09	1	TO-15		11/9/2022	CJR	1
Ethanol	113	ug/m3	0.152	0.482	1	TO-15		11/9/2022	CJR	10
Ethyl Acetate	14	ug/m3	0.176	0.559	1	TO-15		11/9/2022	CJR	1
Ethylbenzene	12.1	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
4-Ethyltoluene	2.11	ug/m3	0.214	0.681	1	TO-15		11/9/2022	CJR	1
Heptane	21.3	ug/m3	0.265	0.845	1	TO-15		11/9/2022	CJR	1
Hexachlorobutadiene	< 0.489	ug/m3	0.489	1.56	1	TO-15		11/9/2022	CJR	1
Hexane	17.1	ug/m3	0.235	0.748	1	TO-15		11/9/2022	CJR	1
2-Hexanone	10.1	ug/m3	0.222	0.707	1	TO-15		11/9/2022	CJR	1
Isopropyl Alcohol	25.4	ug/m3	0.109	0.347	1	TO-15		11/9/2022	CJR	1
Methyl ethyl ketone (MEK)	86	ug/m3	0.178	0.567	1	TO-15		11/9/2022	CJR	1
Methyl isobutyl ketone (MIBK)	8.3	ug/m3	0.168	0.536	1	TO-15		11/9/2022	CJR	1
Methyl Methacrylate	< 0.217	ug/m3	0.217	0.69	1	TO-15		11/9/2022	CJR	1
Methylene chloride	18.8	ug/m3	0.159	0.506	1	TO-15		11/9/2022	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.16	ug/m3	0.16	0.509	1	TO-15		11/9/2022	CJR	1

Project Name CWC WEST BLOCK **Invoice #** E41691
Project # 40443A

Lab Code 5041691D
Sample ID EP-7
Sample Matrix Air
Sample Date 11/2/2022

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	1.1 "J"	ug/m3	0.675	2.15	1	TO-15		11/9/2022	CJR	1
Propene	22.7	ug/m3	0.079	0.251	1	TO-15		11/9/2022	CJR	1
Styrene	34	ug/m3	0.181	0.577	1	TO-15		11/9/2022	CJR	1
1,1,2,2-Tetrachloroethane	< 0.325	ug/m3	0.325	1.03	1	TO-15		11/9/2022	CJR	1
Tetrachloroethene	3.8	ug/m3	0.278	0.884	1	TO-15		11/9/2022	CJR	1
Tetrahydrofuran	9.8	ug/m3	0.131	0.417	1	TO-15		11/9/2022	CJR	1
Toluene	32	ug/m3	0.184	0.585	1	TO-15		11/9/2022	CJR	1
1,2,4-Trichlorobenzene	< 0.657	ug/m3	0.657	2.09	1	TO-15		11/9/2022	CJR	1
1,1,1-Trichloroethane	0.54 "J"	ug/m3	0.249	0.793	1	TO-15		11/9/2022	CJR	1
1,1,2-Trichloroethane	< 0.258	ug/m3	0.258	0.822	1	TO-15		11/9/2022	CJR	1
Trichloroethene (TCE)	1.34	ug/m3	0.237	0.754	1	TO-15		11/9/2022	CJR	1
Trichlorofluoromethane	2.08	ug/m3	0.337	1.07	1	TO-15		11/9/2022	CJR	1
Trichlorotrifluoroethane	0.92 "J"	ug/m3	0.402	1.28	1	TO-15		11/9/2022	CJR	1
1,2,4-Trimethylbenzene	8.6	ug/m3	0.283	0.899	1	TO-15		11/9/2022	CJR	1
1,3,5-Trimethylbenzene	3.2	ug/m3	0.232	0.739	1	TO-15		11/9/2022	CJR	1
Vinyl acetate	< 0.203	ug/m3	0.203	0.645	1	TO-15		11/9/2022	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		11/9/2022	CJR	1
m&p-Xylene	52	ug/m3	0.377	1.2	1	TO-15		11/9/2022	CJR	1
o-Xylene	20.1	ug/m3	0.218	0.695	1	TO-15		11/9/2022	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.
10	Linear range of calibration curve exceeded.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsynergy@wi.twcbc.com

Chain # 42224

Page ____ of ____

Sample Handling Request

____Rush Analysis Date Required: ____
(Rushes accepted only with prior authorization)
____Normal Turn Around

Lab I.D. #	
QUOTE # :	
Project #:	48443A
Sampler: (signature)	
Project (Name / Location):	CUC West Block

Reports To:	Robert Reinete	Invoice To:	Robert Reinete
Company	tSingh + Associates	Company	tSingh & Associates
Address	3636 N 124th St	Address	3636 N 124th St
City State Zip	Wauwatosa, WI 53222	City State Zip	Wauwatosa WI 53222
Phone	2628211171	Phone	2628211171
Email	rreinete@tsinghengineering.com	Email	rreinete@tsinghengineering.com

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
504169 A	IA-1-WB	11/2	12:15	N	1	Air	N/A
B	IA-2-WB	11/2	12:15	N	1	Air	N/A
C	IA-3-WB	11/2	12:15	N	1	Air	N/A
D	EP-7	11/1	2:28	N	1	Air	N/A

Analysis Requested / **Other Analysis**

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID
													✓		
													✓		
													✓		
													✓		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: CS

Temp. of Temp. Blank: ____ °C On Ice: X

Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	3:30 PM	11/4/2022			

Received in Laboratory By: Time: 10:00 Date: 11/5/22