C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

12 Raymond Avenue, Poughkeepsie, New York 12603
845.454.4400 www.ctmale.com

April 19, 2024
(Revised June 19, 2024)

Emily Barry, P.G., Assistant Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 3
21 South Putt Corners Road
New Paltz, New York 12561-1620
Via Email: emily.barry@dec.ny.gov

Re: Corrective Measures Work Plan
Hudson Wire Mill Brownfield Cleanup Program Site
61 and 62 Water Street, Village of Ossining, Westchester County, New York
BCP Site ID: C360065; C.T. Male Project No.: 21.1622

Dear Ms. Barry:

C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. (C.T. Male), on behalf of The Wire Mill LLC, has prepared this Corrective Measures Work Plan (CMWP) to address deficiencies in the concrete slab at the 61 Water Street Building and further investigate an exceedance in indoor air quality in a sample collected on January 30, 2024at this building.

This CMWP was subsequently revised to address requests and/or comments in correspondence from NYSDEC dated May 15 and 29, 2024, and joint site visit and meeting (NYSDEC, Site owner, C.T. Male and 61 Water Street tenant) on May 16, 2024. It is noted that the NYSDEC and New York State Department of Health (NYSDOH) approved the implementation of the sealing of the cracks in the floor concrete slab, initial measure of the CMWP, on May 3, 2024. Furthermore, CMWP is limited to corrective actions at the 61 Water Street Building, based on a request to the Department by C.T. Male, dated June 10, 2024, and subsequently approved on June 14, 2024. The exceedance at 62 Water Street building – Suite 12 will be addressed following the completion of the corrective measures at the 61 Water Street Building and prior to the next heating season (November 2024 – March 2025).

Project Background

Levels of tetrachloroethylene (PCE) and trichloroethylene (TCE) in indoor air exceeded their Air Guideline Values (AGVs) established by the NYSDOH during the January 2024 annual sampling event. This sampling event is required under the NYS Brownfield Cleanup Program (BCP) Site Management Plan (SMP) dated December 2010, inclusive of subsequent SMP modifications. These exceedances of AGVs were detected at indoor air sampling

locations IA-6 (PCE only), Suite 12 of 62 Water Street (Suite 12), and IA-9, 61 Water Street (TCE only). No other exceedances of AGVs were documented in the January 2024 sampling event. A Sampling Location Map – January 2024 is provided as Attachment A. Maps and Plans. Indoor air laboratory results were Data Usability Summary Report (DUSR) validated in March 2024 by Environmental Data Services, Inc., a third-party validator. The laboratory results were determined to be acceptable with no rejections.

C.T. Male returned to the Site in February 2024 to investigate the areas of the building with indoor air exceedances, document inventory products and processes performed in these areas, and evaluate the performance of the six (6) sub-slab depressurization systems (SSDSs) for the on-site buildings.

During the Site visit the following observations were made:

- The 61 Water Street Building is currently occupied by a glass manufacturing facility performing glass polishing and cutting and aluminum processing activities.
- Two (2) chemical storage areas were identified in the 61 Water Street Building, one located in the southwestern corner of the building, and one located in the northeast portion of the building.
- Multiple chemicals containers (paints, thinners, solvent, etc.) ranging in size from 12 ounce to 1-gallon containers were observed to be stored in each of the chemical storage areas at the 61 Water Street Building.
- Cracks in the concrete slab on grade of the 61 Water Street Building were observed.
- Suite 12 is a costume storage area where dry-cleaned customs and garments are present.
- Tenants of Suite 12 indicated that several garments and costumes are sent off-site monthly to be laundered at two (2) off-site facilities: Embassy Cleaners & Briarcliff Wash & Dry.
- Several chemical containers (cleaning agents, disinfectants, and odor removers) ranging in size from 12 ounce to 1-quart containers were observed in Suite 12.

Status of the SSDSs – February 2024

Five (5) individual active systems are installed at the 62 Water Street building. The pressure differential measurements from the sub-slab monitoring ports at each of the five (5) areas (Zones A though E) ranged from -0.884 to -0.012 inches of water column (in. w.c.), which are indicative of proper operation per the SMP. One (1) individual active system is installed at the 61 Water Street Building. The U-manometer reading for this system (located in the riser pipe) was approximately 0.8 in. w.c., which is indicative of vacuum being generated by the

in-line fan. The six (6) fans were operating, and no damage was observed in the visible piping of the SSDSs. An Engineering Control Inspection Form for the February 2024 Site visit is provided in Attachment B. As-built plans of the SSDSs, prepared by Fuss & O'Neill and dated December 2010, are provided in Attachment A, Maps and Plans.

The SSDS at the 61 Water Street building will be reassessed, following corrective measures, as part of this CMWP. The reassessment is described in subsequent sections of this CMWP. Additional action might be needed based on the corrective work.

The purpose of the actions proposed herein are to address the deficiencies in the slab observed during the February 2024 Site visit to reduce the potential migration of contaminants under the 61 Water Street Building from entering the indoor air. This CMWP also intends to further investigate whether the documented TCE exceedance is the result of soil vapor intrusion (SVI) or are attributed to indoor air sources associated with current on-site activities.

Sealing of the Cracks – 61 Water Street Building

Wire Mill LLC personnel and C.T. Male staff will perform a building walkthrough at the 61 Water Street Building to identify the portions of the slab needing repair. Deteriorated sealant (if present within existing cracks) will be removed, and cracks thoroughly cleaned of loose debris. Removing debris, loose materials, and excessive dust will promote proper bonding of the new sealant placed in cracks.

The immediate area of the crack will be cleaned with water and mild soap (or equivalent process) and allowed to thoroughly dry prior to sealant application. If the crack is greater than 1/2 inch (13 mm) in width, a flexible foam backer rod or other comparable filler material shall be inserted into the crack to support the sealant prior to application. Areas requiring measures beyond the use of sealant/filler due to the size and/or type of deterioration in the slab will be further evaluated to determine if capping with cement or other measures are warranted.

Cracks must be sealed with a durable, elastomeric, non-shrinking sealant that provides an air-tight seal and complies with ASTM standard C920 Class 25 or greater or equivalent material and applied according to the manufacturer's recommendations. Material specification sheets for sealants used in similar applications are provided in Attachment C. The specified products do not contain chlorinated volatile organic compounds (CVOCs). The use of alternate products is acceptable provided the product is approved by the Remediation Engineer. The sealant or cement product will be allowed to cure per the manufacturer's

specifications. Foot or equipment traffic in these areas must be avoided, to the extent possible during application and curing, to allow for proper bonding of the material. Tenant(s) must provide access to areas warranting corrective action. Tenants (s) will be responsible for the relocation of equipment or obstructions impeding the corrective action prior, during and after the implementation of the corrective action.

Compliance Documentation

C.T. Male will perform two (2) Site visits, a Site visit following area preparation (i.e. cleaning of the area, and installation of foam backer rod/comparable filler) and prior to the sealing, and another Site visit two (2) days after the sealing activities are completed to document the above-referenced corrective actions. Actions requiring additional steps will be promptly discussed with and addressed by The Wire Mill LLC personnel.

Update on Sealing of the Cracks – 61 Water Street Building

The above-referenced work, sealing of the floor slab cracks, was performed in the accessible areas of the 61 Water Street Building, which excludes the office area and inaccessible areas due to the presence of shelving, materials, and/or equipment. This work was performed on April 24 (mapping of cracks), May 15 and 16 (sealing of cracks) and June 6, 2024 (retouching of cracks and sealing of previously inaccessible crack) under the approval of NYSDEC as documented in an electronic correspondence dated May 3, 2024. Based on observations, 90-95 % of the cracks in the work area (excluding the office area) were filled in general conformance with this CMWP. Remaining cracks will be addressed following the SSDS and SVI Evaluations (see below), if warranted.

Air Purifiers

An air purifier system for the office space was requested by NYSDEC via electronic communication on May 15, 2024. The installation and operation of the air purifier system is intended to be a temporary measure throughout the course of the implementation of the CMWP. Three (3) air purifiers model "AirMedic Pro 6 Ultra Vocarb" were selected, one for each of the three (3) office areas. This air purifier model contains a prefilter, a HEPA filter for particle control and carbon bed filter for the absorption of chemicals. C.T. Male prepared and submitted a letter to the Department dated May 24, 2024 documenting the selection of the air purifier units, presented as Attachment D. C.T. Male was on-site on May 29, 2024 to oversee installation of the air purifiers. The air purifiers are to be operated continuously (24/7) at a medium speed.

Detailed Chemical Inventory

During the site visit with NYSDEC on May 16, 2024, NYSDEC requested C.T. Male to prepare a detailed chemical inventory of the chemicals present in the several chemical storage areas identified throughout the 61 Water Street Building. The detailed chemical inventory is presented as Attachment E. Three (3) products (brand/company in parenthesis) were identified as containing TCE or PCE-derived compounds: S209 Aerosol Mirror Edge Sealant (CR Laurence Co.), Solvent Cleaner & Degreaser (CR Laurence Co.), and Spray Mount Artist's Adhesive (3M). Furthermore, eight (8) additional products were identified, for which ingredients could not be determined due to the poor quality of the label as a result of age or container condition, or proprietary information not identified in the label. C.T. Male further researched these additional eight (8) products via readily available online sources and contacting manufacturers, as warranted. No other information was readily available regarding these products.

During the May 16 site visit, MMG staff indicated that containers of chemical products and paints were moved sometime prior to this site visit. This statement is consistent with C.T. Male's observations from the February, April and May 2024 site visits. At the April 2024 site visit, the numbers of containers in the two (2) chemical storage areas appear to be less than those observed during the February 2024 site visit. Photographs of the northeastern shelving area during the February and May 2024 site visits area are provided as Attachment F

SSDS Evaluation

OBAR Systems Inc., under the oversight of C.T. Male, will perform an evaluation of the SSDS for the existing system at the 61 Water Street Building. Test holes 5/16-inch in size will be temporarily installed in the concrete slab throughout the building. Test holes will be installed in such a way as to create the minimum disturbance possible to on-going site operations. Sub-slab pressure differential measurements will be taken with a micromanometer to evaluate the pressure field induced by the existing mitigation system. The applied vacuum generated by the existing fan along with the functionality of the conveyance piping will be evaluated. Following the collection of measurements, the test holes will be sealed with cement and/or sealant. A report of findings inclusive of recommendation actions will be prepared following the evaluation. The tentative date of the SSDS evaluation has been scheduled for June 28, 2024.

An Engineering Control Inspection Form (Blank), presented as Attachment G, will be completed and photographs will be taken to document the corrective actions. The Inspection Form, photographs and SSDS evaluation report will be provided to NYSDEC/NYSDOH

within 7 business days of receipt of subcontractor generated information. Should information collected during the implementation of the corrective actions and SSDS evaluation reveal other deficiencies these will be communicated to NYSDEC/NYSDOH to determine the next steps.

SVI Evaluation

Following the SSDS evaluation, five (5), permanent sub-slab monitoring points (SSMPs) will be installed by C.T. Male personnel throughout the slab of the 61 Water Street Building. SSMPs will be installed to conduct the SVI evaluation and to measure pressure differentials underneath the concrete slab from the existing SSDS in the future. SSMPs will be spaced in such a way to provide coverage for the facility. Due to the nature of the building slab (presumed slab on grade with no footings, per the information provided by the Site owner), SSMPs will be installed at least 10 feet away (minimum) from exterior walls to reduce potential influence from outdoor air.

The installation of the SSMPs will be performed in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) with updates (SVI Guidance) and Standard Operating Procedure (SOP) Installation and Extraction of the FLX-VPTM VAPOR PIN® Sampling Device or equivalent as approved by the Remediation Engineer. Product information and the SOP for the installation of the FLX-VPTM VAPOR PIN® is provided in Attachment H. Upon installation and following verification of proper installation, pressure differential readings will be collected utilizing a micromanometer.

As part of the SVI evaluation C.T. Male will collect ambient air (indoor and outdoor) and sub-slab vapor samples. In addition, C.T. Male will evaluate groundwater data (groundwater samples collected in April 2024) in relationship to SVI. Five (5) sub-slab soil vapor samples co-located with five (5) indoor air samples, and two (2) outdoor air samples will be collected at the 61 Water Street Building. A Proposed Sampling Locations Map is presented in Attachment A, Maps and Plans. Prior to sample collection, the following measures will be implemented to minimize the influence of potential indoor air contaminant sources on the proposed sampling event:

- Mechanisms for heating, ventilating and air conditioning (HVACs) in each of these areas will be documented, inclusive of type, number and location of HVACs. Proposed indoor air samples will be located at least 10 feet from these units.
- Proper curing time for the sealed/repaired cracks consisting of a minimum of 7 days.

- Removal of stored chemicals inside the building/areas, to the extent possible and practical. If the removal of chemicals is not possible, a detailed chemical inventory will be conducted at the time of sampling. The removal of the chemicals will be the responsibility of the tenant. At a minimum, chemicals containing TCE, PCE-breakdown products and unknown compounds as identified in the May 16 Detailed Chemical Inventory will be removed from the building to avoid potential interference with sampling.
- Following the curing of the sealant/cement and removal of chemicals, the SSDS and air purifiers will be turned off and the building/areas will be ventilated for at least 8 consecutive hours. Ventilation will consist of the opening of doors, overhead doors, and windows and the placement of fans to aid in air circulation.
- Following the 8-hour ventilation period, the building will be closed for a 48 to 72 hours minimum to allow for the indoor air to be restored to typical conditions during business operations and expected exposure scenario.
- Following the 48 to 72-hour equilibration period, soil vapor/ambient air sampling will commence.
- The SSDS and air purifiers will remain off for the duration of the sampling event. Immediately after sample collection the SSDS and air purifiers will be turned on.

Samples will be collected in accordance with the sampling procedures outlined in the NYSDOH SVI Guidance. Samples will be collected in 6-liter laboratory certified Summa® canisters equipped with an 8-hour flow regulator and analyzed for volatile organic compounds (VOCs) per USEPA Method TO-15 by Pace® Analytical Services. Of note, the 8-hr duration is less than the previous sampling duration of 24-hour to better represent the typical business day.

Tenant(s) must provide access to areas warranting sampling. Tenants (s) will be responsible for the relocation of equipment or obstructions impeding sampling prior, during and after the implementation of the sampling.

Site access and coordination with the tenant(s) will be performed to minimize the length of time when the SSDS and air purifiers will be turned off. It is understood the sampling event will require additional coordination and cooperation between tenant(s), consultant, and Site owner to meet specific sampling requirements imposed by tenant operations, site conditions, and NYSDOH SVI Guidance. NYSDEC and NYSDOH will be notified of the schedule of temporary SSDS and air purifier shutdown and start-up and SVI evaluation timeframe.

Quality Assurance/Quality Control

One (1) Quality Control (QC) sample, a blind field duplicate (FD), will be collected and analyzed. For quality assurance a Helium tracer gas will be used for leak testing at each sub-slab sampling location to document that ambient air is not infiltrating. This leak checking procedure will be done after installation of each probe, before and immediately following sampling.

The laboratory will provide the analytical results in NYSDEC ASP Category B Data Deliverable format for subsequent third-party data validation. Data validation will be performed in accordance with the USEPA National and Regional Validation Guidelines/Procedures to determine the applicable qualifications of the data. The validator will then prepare a DUSR for the samples in accordance with NYSDEC guidance. C.T. Male will review the validated results upon receipt and provide to NYSDEC for review and approval. Validated results will determine the next steps.

Reporting and Schedule

A Summary Letter will be prepared and submitted to NYSDEC/NYSDOH following satisfactory completion of the corrective actions, as determined by the Remediation Engineer, and within two (2) weeks of the receipt of validated laboratory results (groundwater, sub-slab vapors and ambient air).

Tenant Notification

Four (4) tenant notifications/letters have been provided to date in response to the indoor air exceedances. Tenant notifications/letters will continue to be provided periodically (at a minimum monthly) for the duration of the CMWP to update the tenant on corrective measures. Tenant notifications/letters will be prepared by C.T. Male, on behalf of The Wire Mill, LLC, and in consultation with NYSDEC and NYSDOH. Tenant notifications/letters will be delivered electronically to the tenant of 61 Water Street Building with a request for confirmation or receipt.

Should you have any questions, do not hesitate to contact the undersigned at 845.454.4400 or at r.andujar-mcneil@ctmale.com.

Sincerely,
C.T. MALE ASSOCIATES

Rosaura Andújar-McNeil, P.E.
Environmental Engineer/Project Manager

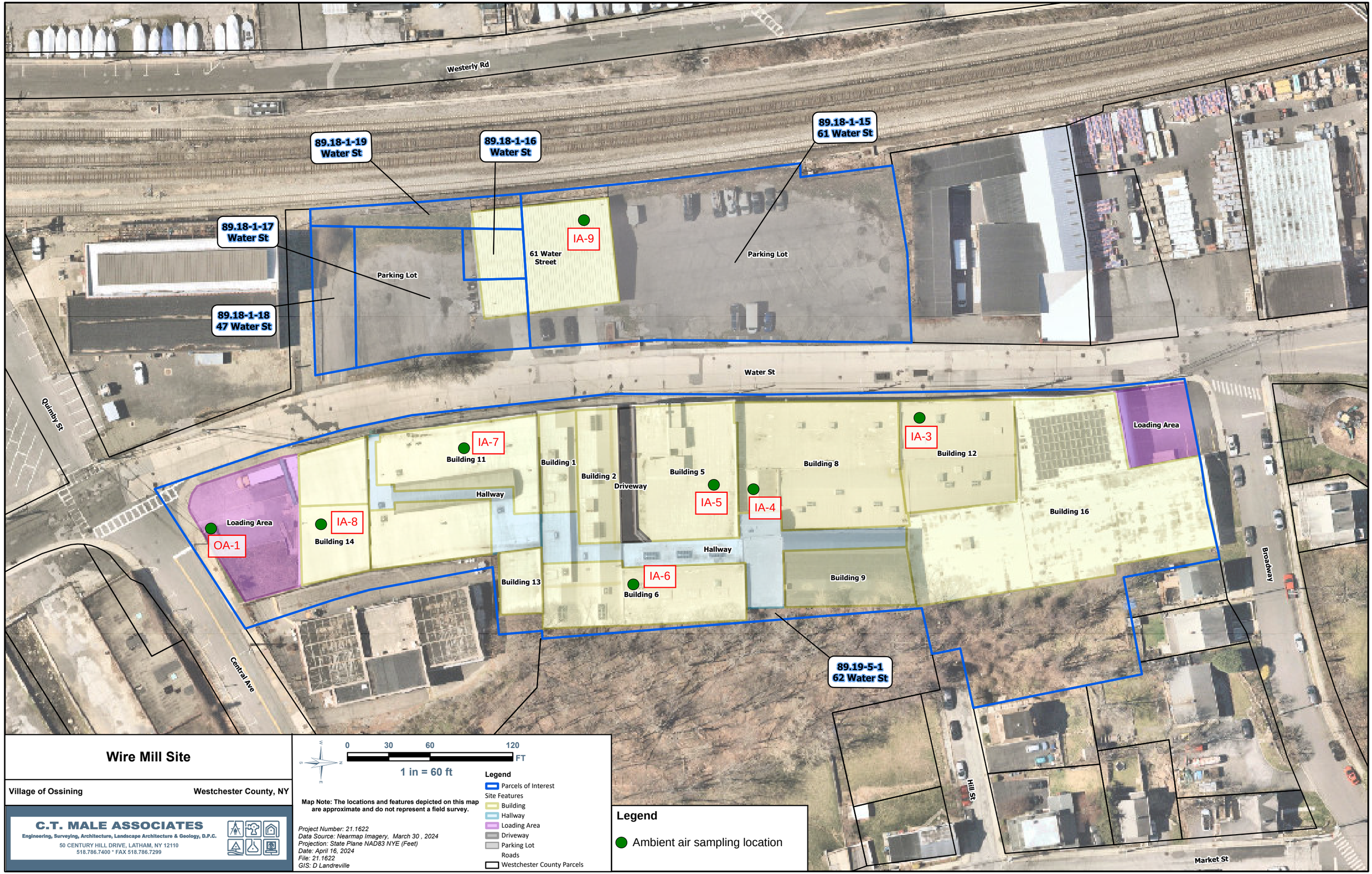
Attachments:

Attachment A	Maps and Plans
Attachment B	Engineering Control Inspection Form – February 2024
Attachment C	Material Information Sheets
Attachment D	C.T. Male Letter – Air Purifier System
Attachment E	Chemical Inventory – May 16, 2024
Attachment F	Photographs
Attachment G	Engineering Control Inspection Form – Blank
Attachment H	Product Information and SOP - FLX-VPTM VAPOR PIN®

ec: Robert Fedigan, Wire Mill LLC
Colleen Carney, Wire Mill LLC
James D. McIver, P.G., C.T. Male
Jeffrey A. Marx, P.E., C.T. Male

ATTACHMENT A

MAPS AND PLANS



Wire Mill Site

Village of Ossining — Westchester County, NY

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299

0 30 60 120 FT

1 in = 60 ft

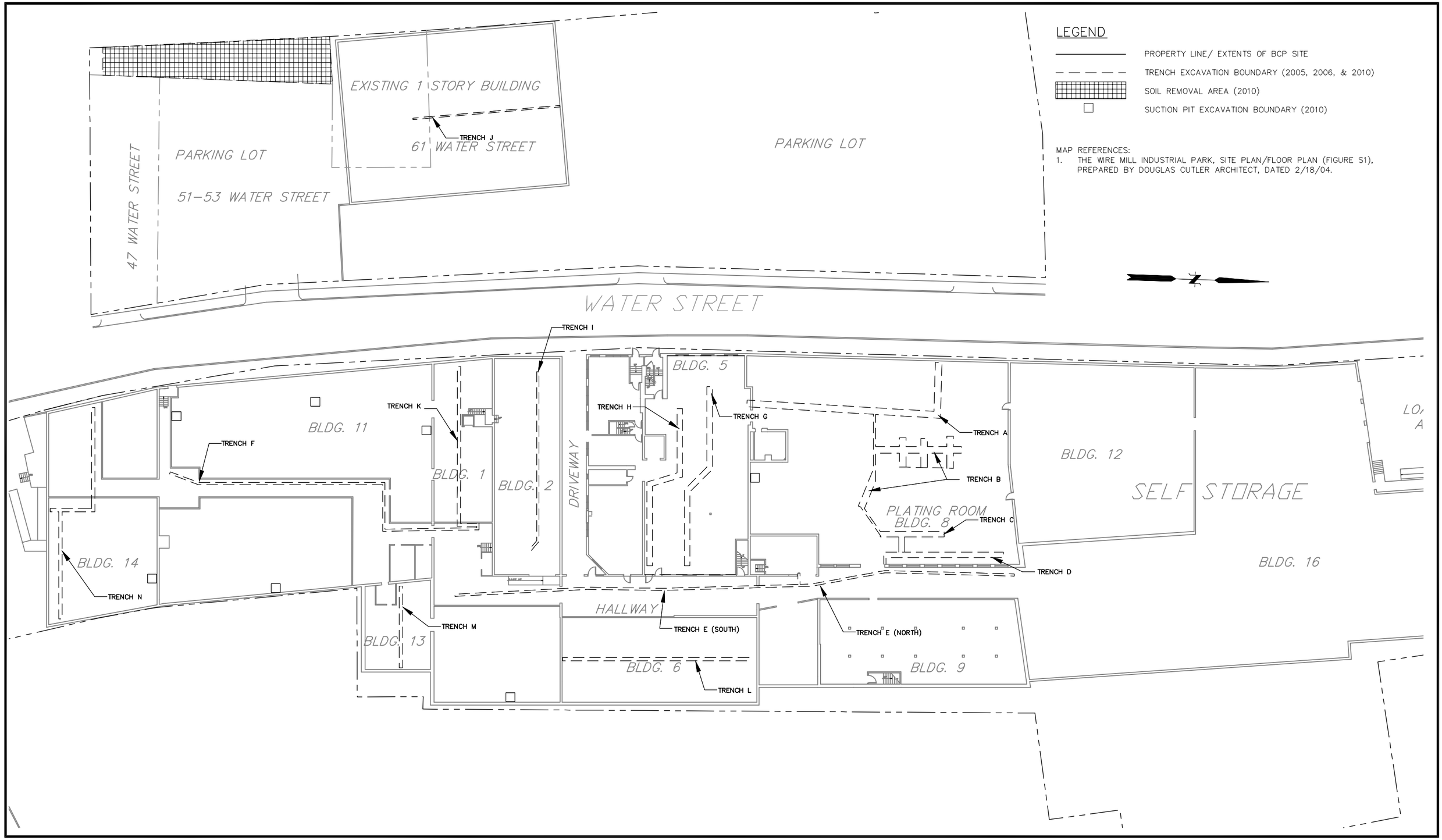
Map Note: The locations and features depicted on this map are approximate and do not represent a field survey.

Project Number: 21.1622
Data Source: Nearmap Imagery, March 30 , 2024
Projection: State Plane NAD83 NYE (Feet)
Date: April 16, 2024
File: 21.1622
GIS: D Landreville

Legend
- Parcels of Interest
- Site Features
- Building
- Hallway
- Loading Area
- Driveway
- Parking Lot
- Roads
- Westchester County Parcels

Legend

● Ambient air sampling location



LEGEND

- PROPERTY LINE/ EXTENTS OF BCP SITE
- TRENCH EXCAVATION BOUNDARY (2005, 2006, & 2010)
- SOIL REMOVAL AREA (2010)
- SUCTION PIT EXCAVATION BOUNDARY (2010)

MAP REFERENCES:
1. THE WIRE MILL INDUSTRIAL PARK, SITE PLAN/FLOOR PLAN (FIGURE S1), PREPARED BY DOUGLAS CUTLER ARCHITECT, DATED 2/18/04.

No.	DATE	DESCRIPTION	BY
1.			

REVISIONS

PROJ. MANAGER:
CHIEF DESIGNER:
REVIEWED BY: DATE

SCALE:
HORZ.: 1" = 40'
VERT.:
DATUM:
HORZ.:
VERT.:
0 20 40
GRAPHIC SCALE

WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

THE WIRE MILL, LLC
SOIL EXCAVATION AS-BUILT PLAN
SUB-SLAB COMPONENTS
SITE MANAGEMENT PLAN

OSSINING NEW YORK

PROJ. No.: 20040181.A5N
DATE: DECEMBER 2010

FIG. 7B

CTB: LMAN: MS VIEW: UCS:

EXISTING 1 STORY BUILDING

61 WATER STREET

47 WATER STREET

PARKING LOT

51–53 WATER STREET

PARKING LOT

WATER STREET

BLDG. 11

BLDG. 1

BLDG. 2

DRIVEWAY

BLDG. 5

BLDG. 12

SELF STORAGE

LO/
A

PLATING ROOM
BLDG. 8

BLDG. 14

BLDG. 16

HALLWAY

BLDG. 13

BLDG. 6

BLDG. 9

LEGEND

- SSDS – EXISTING SUBSURFACE PERF. 4" HDPE PIPE (PHASE I,2005 & 2006)
- SSDS – EXISTING SUBSURFACE PERF. 6" PVC PIPE (PHASE II, 2010)
- PROPERTY LINE/ EXTENTS OF BCP SITE
- SSDS – SUBSURFACE SOLID 4" HDPE PIPE
- SSDS – VERTICAL RISER (PHASE II, 2010)
- SSDS – SUCTION PIT (PHASE II, 2010)
- Ⓢ SSDS – SAMPLE TAP LOCATION (PHASE II, 2010)

MAP REFERENCES:
1. THE WIRE MILL INDUSTRIAL PARK, SITE PLAN/FLOOR PLAN (FIGURE S1), PREPARED BY DOUGLAS CUTLER ARCHITECT, DATED 2/18/04.

No.	DATE	DESCRIPTION	BY
1.			

REVISIONS

PROJ. MANAGER:
CHIEF DESIGNER:
REVIEWED BY: DATE

SCALE:
HORZ.: 1" = 40'
VERT.:
DATUM:
HORZ.:
VERT.:
0 20 40
GRAPHIC SCALE

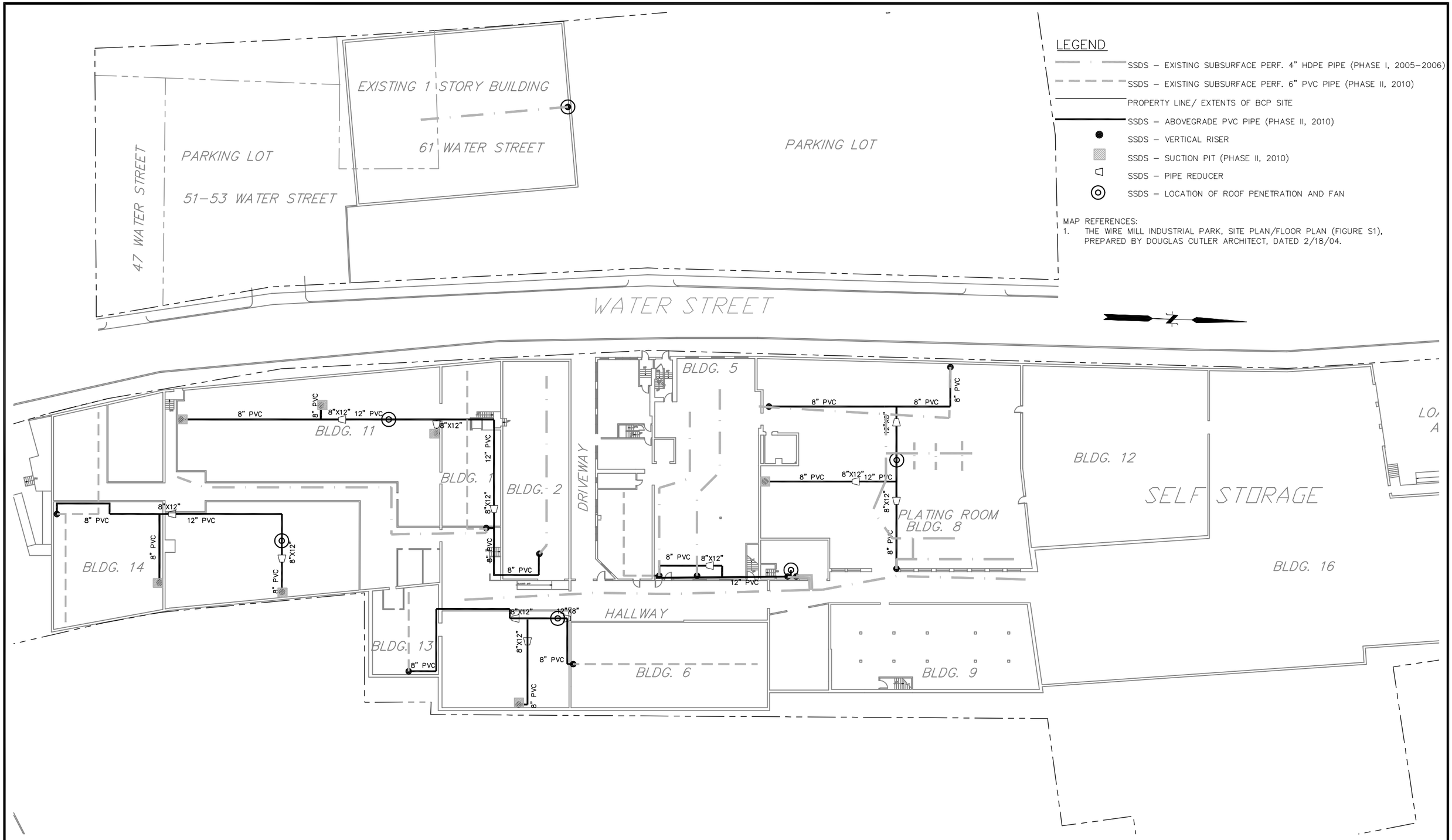
WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

THE WIRE MILL, LLC
SUBSLAB DEPRESSURIZATION SYSTEM AS-BUILT PLAN
SUB-SLAB COMPONENTS
SITE MANAGEMENT PLAN

OSSINING NEW YORK

PROJ. No.: 20040181.A5N
DATE: DECEMBER 2010

FIG. 7C



				PROJ. MANAGER:	
				CHIEF DESIGNER:	
				REVIEWED BY:	DATE
1.					
No.	DATE	DESCRIPTION	BY		
REVISIONS					

SCALE:
HORZ.: 1" = 40'
VERT.:
DATUM:
HORZ.:
VERT.:
0 20 40
GRAPHIC SCALE

WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

THE WIRE MILL, LLC
SUBSLAB DEPRESSURIZATION SYSTEM AS-BUILT PLAN
ABOVEGROUND COMPONENTS
SITE MANAGEMENT PLAN
OSSINING NEW YORK

PROJ. No.: 20040181.A5N
DATE: DECEMBER 2010

FIG. 7D

61 WATER STREET
(PARTIAL COVERAGE)
EXISTING 1 STORY BUILDING

61 WATER STREET

47 WATER STREET

PARKING LOT

51–53 WATER STREET

PARKING LOT

WATER STREET

LEGEND

- SSDS – EXISTING SUBSURFACE PERF. 4" HDPE PIPE (PHASE I, 2005–2006)
- SSDS – EXISTING SUBSURFACE PERF. 6" PVC PIPE (PHASE II, 2010)
- PROPERTY LINE/ EXTENTS OF BCP SITE
- SSDS – VERTICAL RISER
- SSDS – SUCTION PIT (PHASE II, 2010)
- SSDS – LOCATION OF ROOF PENETRATION AND FAN

MAP REFERENCES:
1. THE WIRE MILL INDUSTRIAL PARK, SITE PLAN/FLOOR PLAN (FIGURE S1), PREPARED BY DOUGLAS CUTLER ARCHITECT, DATED 2/18/04.

ZONE D
BLDG. 11
BLDG. 1
BLDG. 2
DRIVEWAY
ZONE B
BLDG. 5
ZONE A
BLDG. 12
SELF STORAGE
PLATING ROOM
BLDG. 8
BLDG. 14
ZONE E
HALLWAY
BLDG. 16
BLDG. 13
BLDG. 6
ZONE C
BLDG. 9

				PROJ. MANAGER:	
				CHIEF DESIGNER:	
				REVIEWED BY:	DATE
1.					
No.	DATE	DESCRIPTION	BY		
REVISIONS					

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SCALE:
HORZ.: 1" = 40'
VERT.:
DATUM:
HORZ.:
VERT.:
0 20 40
GRAPHIC SCALE

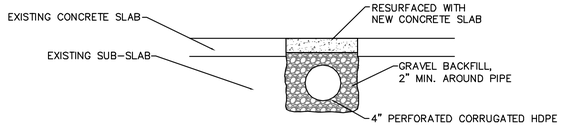
WWW.FandO.COM
FUSS & O'NEILL
Disciplines to Deliver
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

THE WIRE MILL, LLC
SUBSLAB DEPRESSURIZATION SYSTEM AS-BUILT PLAN
SYSTEM LAYOUT
SITE MANAGEMENT PLAN

OSSINING NEW YORK

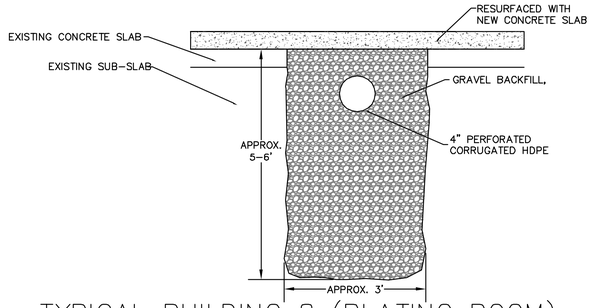
PROJ. No.: 20040181.A5N
DATE: DECEMBER 2010

FIG. 7E



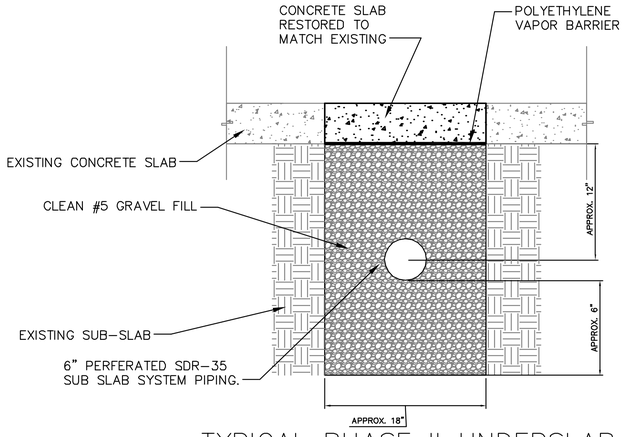
A1 TYPICAL PHASE I (HALLWAY, BUILDINGS 2 & 5) UNDERSLAB PIPING AND TRENCH CROSS SECTION

SCALE: NTS



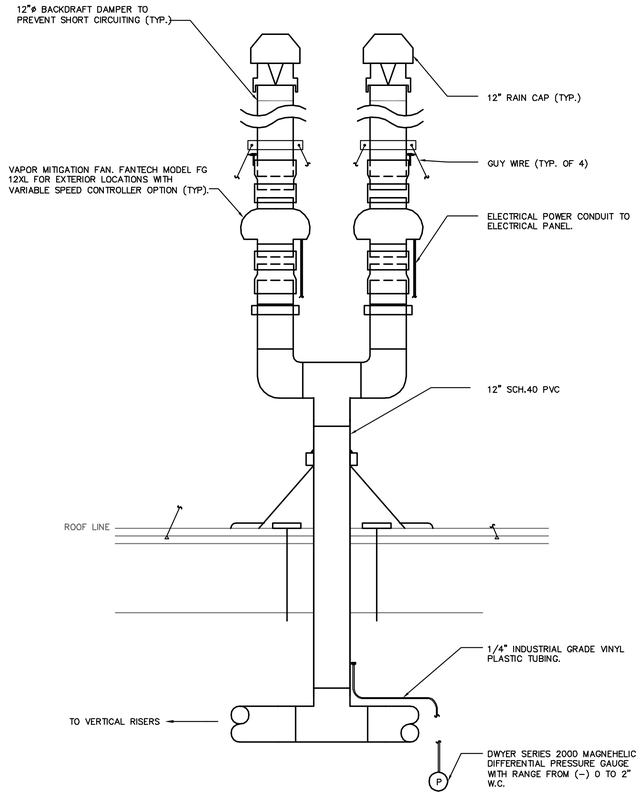
A2 TYPICAL BUILDING 8 (PLATING ROOM) UNDERSLAB PIPING AND TRENCH CROSS SECTION

SCALE: NTS



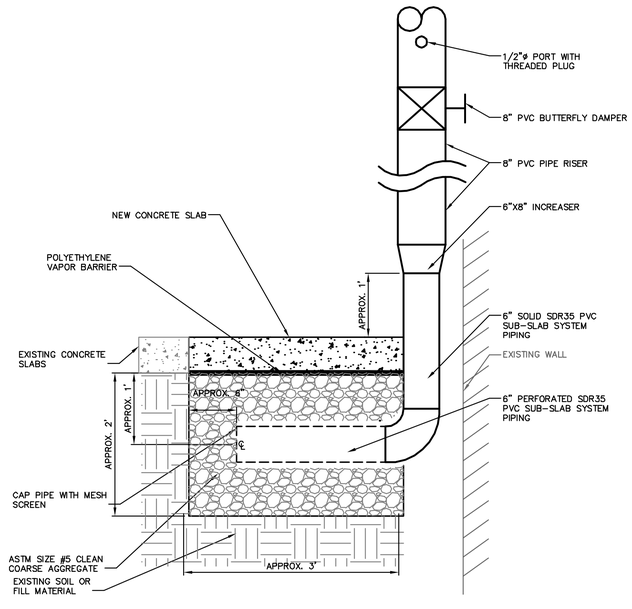
A3 TYPICAL PHASE II UNDERSLAB PIPING AND TRENCH CROSS SECTION

SCALE: NTS



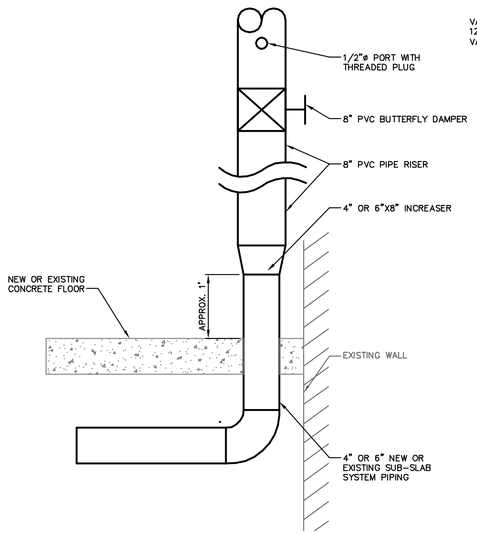
A7 PIPE PENETRATION AND FAN DETAIL – BUILDING 8

SCALE: NTS



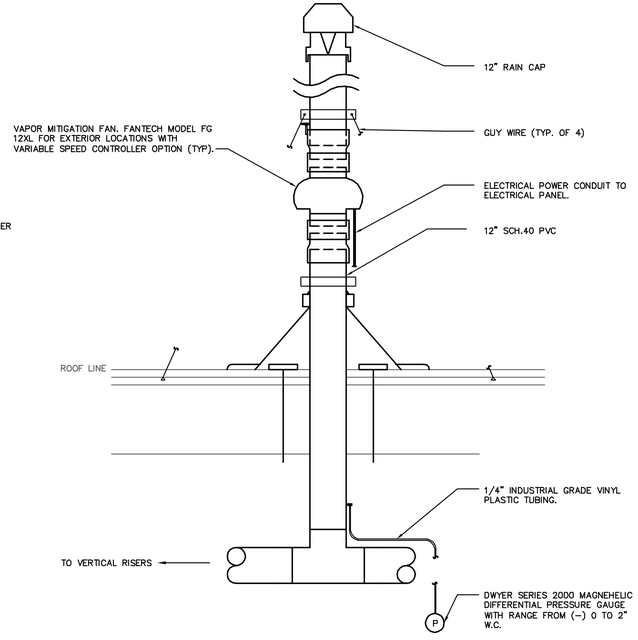
A4 SUCTION PIT DETAIL – ELEVATION VIEW

SCALE: NTS



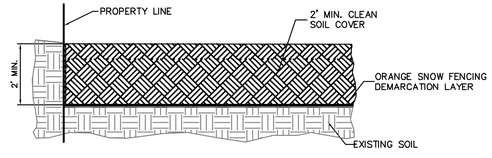
A5 TYPICAL RISER DETAIL

SCALE: NTS



A6 TYPICAL PHASE II (EXCEPT BLDG 8) PIPE PENETRATION AND FAN DETAIL

SCALE: NTS



NOTE: CLEAN SOIL COVER IS 2' THICK IN THE CLEAN SOIL COVER AREA EXCEPT FOR THE SOUTHERN 6' OF THE COVER AREA. UTILITIES PREVENTED EXCAVATION OF EXISTING SOIL IN THIS AREA. SOIL WAS MOUNDED ONTOP OF THE EXISTING SOIL IN THE SOUTHER 6' OF THE SOIL COVER AREA. CLEAN SOIL IN THE MOUNDED AREA IS APPROXIMATELY 6-12" THICK.

A8 SOIL COVER AREA CROSS SECTION

SCALE: NTS

No.	DATE	DESCRIPTION	BY
		REVISIONS	

PROJ. MANAGER:	GAT
CHIEF DESIGNER:	GAT
REVIEWED BY:	DATE

SEAL

SEAL

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT IN ANY WAY. IF THIS DOCUMENT IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SCALE:	
HORZ.:	NTS
VERT.:	
DATUM:	
HORZ.:	
VERT.:	

0

GRAPHIC SCALE

WWW.FandO.COM

FUSS & O'NEILL
Disciplines to Deliver

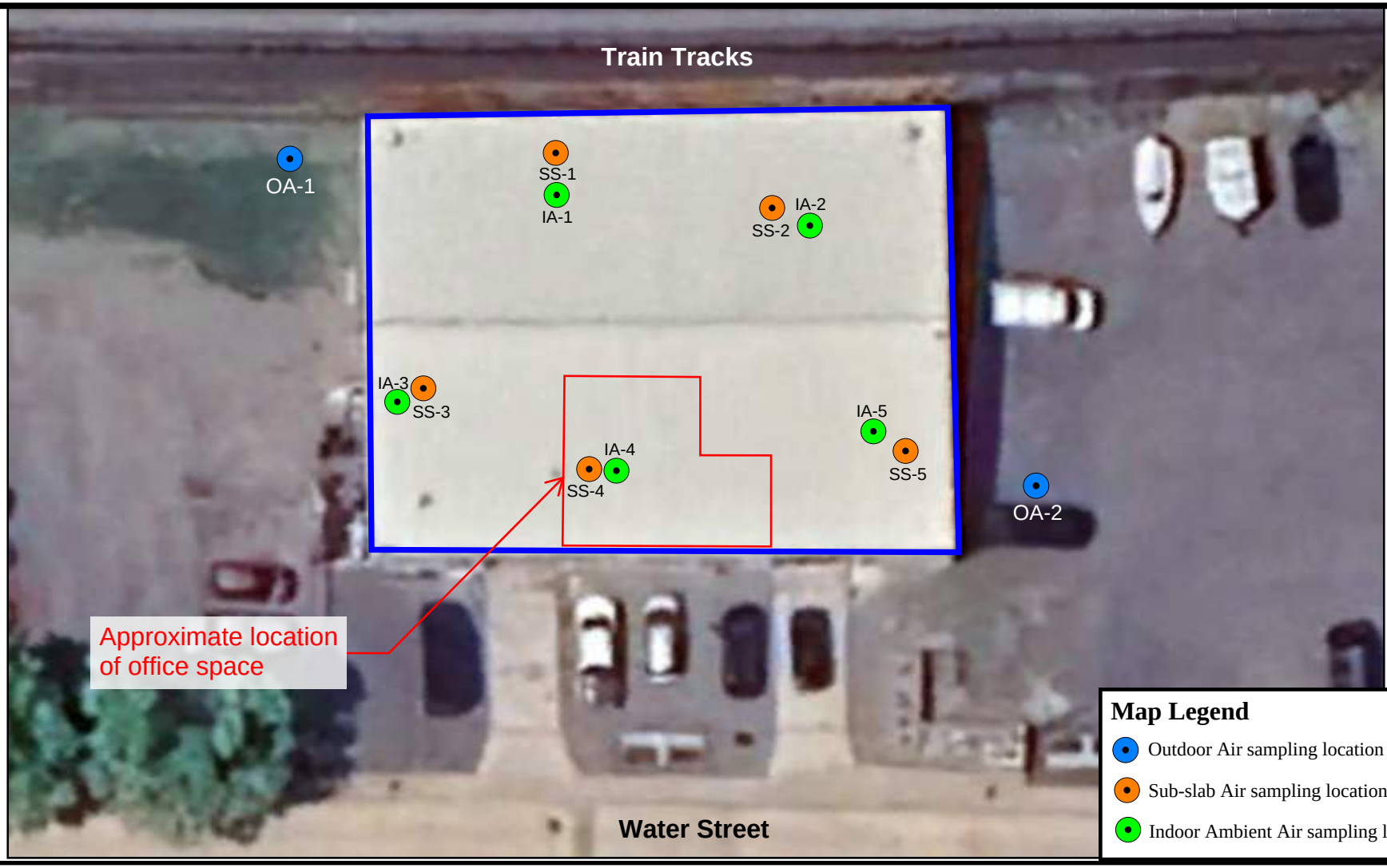
80 WASHINGTON ST SUITE 301 POUGHKEEPSIE, NY 12601 845.452.6801

THE WIRE MILL, LLC
ENGINEERING CONTROLS
CONSTRUCTION DETAILS
SITE MANAGEMENT PLAN

OSSINING NEW YORK

PROJ. No.:	20040181.A5N
DATE:	DECEMBER 2010

FIG. 8



Notes:
1.) Locations and features depicted on this map are approximate and do not represent an actual field survey.
2.) Sampling locations are subject to change based on field conditions.

N

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE
LANDSCAPE ARCHITECTURE & GEOLOGY, D.P.C.
12 RAYMOND AVENUE
POUGHKEEPSIE, NY 12603

61 WATER STREET
WIRE MILL SITE

Photo Reference:
Google Earth Imagery, accessed on-line June 7, 2024.

VILLAGE OF OSSINING	**WESTCHESTER COUNTY, NEW YORK**	Date: **6/19/2024**
Scale: **NOT TO SCALE**	Project No. 21.1622	Drafter: **ML**

ATTACHMENT B

ENGINEERING CONTROL INSPECTION FORM – FEBRUARY 2024

ENGINEERED CONTROL INSPECTION FORM
Former Hudson Wire Mill

Inspector: Rosaura Andujar-McNeil, P.E. Inspection Date: 2/29/2024

ENGINEERED CONTROL OBSERVATIONS

1) Sub-slab pressure differential measured at sample tap located in:
   - Zone A -0.052 inches of water column
   - Zone B -0.015 inches of water column
   - Zone C -0.884 inches of water column
   - Zone D -0.012 inches of water column
   - Zone E -0.050 inches of water column

The U-manometer reading the SSDS at 61 Water Street (located in the riser pipe) was approximately 0.8 in. w.c.

* Readings presented are averages of three (3) consecutive readings at each sample tap.

2) Are cracks or other damage to the Concrete Floor Slab present in:
   - Zone A ____Yes X No
   - Zone B ____Yes X No
   - Zone C ____Yes X No
   - Zone D ____Yes X No
   - Zone E ____Yes X No
   - 61 Water Street X Yes ____ No

If yes, describe (Attach photos and/or site sketch if appropriate): Cracks were identified in the floor slab of the 61 Water Street building. See attached photos.

3) Damage to the Aboveground SSDS Piping in:
   - Zone A ____Yes X No
   - Zone B ____Yes X No
   - Zone C ____Yes X No
   - Zone D ____Yes X No
   - Zone E ____Yes X No
   - 61 Water Street ____Yes X No

If yes, describe (Attach photos and/or site sketch if appropriate): Not applicable

4) Damage to the SSDS Vent Stack in:

Zone A ____Yes __X__ No
Zone B ____Yes __X__ No
Zone C ____Yes __X__ No
Zone D ____Yes __X__ No
Zone E ____Yes __X__ No
61 Water Street ____Yes __X__ No

If yes, describe (Attach photos and/or sketch if appropriate): Not applicable

5) Damage to the SSDS Fan in:

Zone A ____Yes __X__ No
Zone B ____Yes __X__ No
Zone C ____Yes __X__ No
Zone D ____Yes __X__ No
Zone E ____Yes __X__ No
61 Water Street ____Yes __X__ No

If yes, describe (Attach photos and/or sketch if appropriate): Not applicable

INSPECTION LIMITATIONS

Describe any conditions that limited the completeness of the inspection (e.g., part of the slab in Bldg. 11 was covered by tenant's stored materials): Several areas were covered by tenants materials and storage units.

CORRECTIVE MEASURES

If the pressure differential measured for item 1 was not at least -0.002 inches of water column or any of the answers to items 2 through 5 were "Yes", please complete the Corrective Measures section below and append additional pages or documentation, as necessary.

Date repairs were completed: Repairs pending (Should be less than 30 days from inspection date)

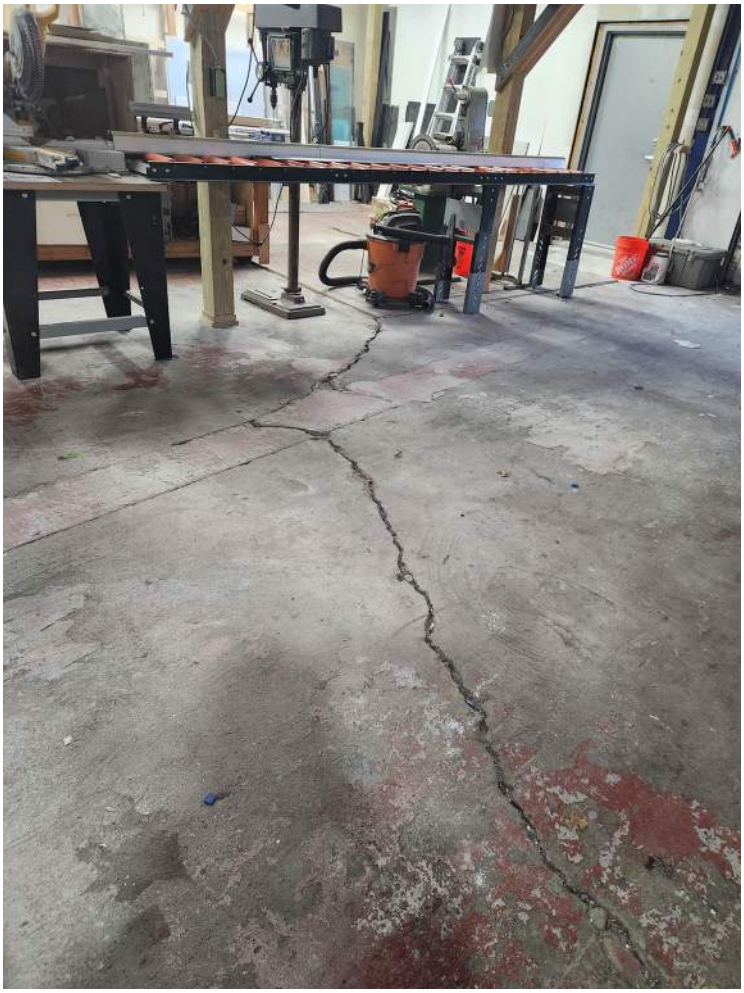
Description of corrective measures:

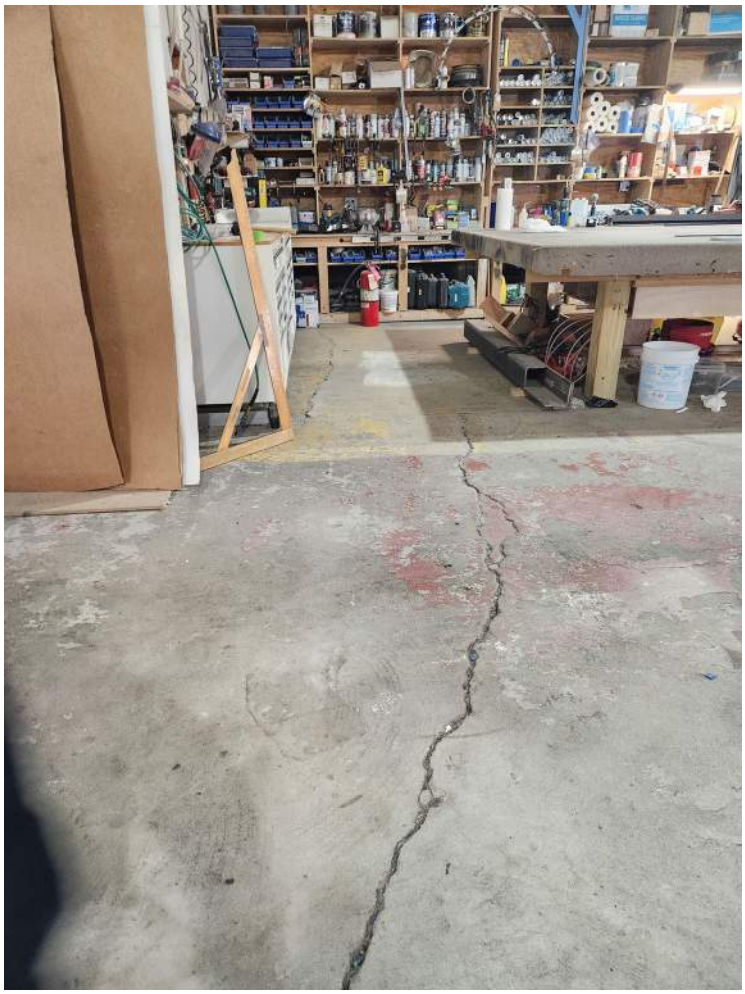
Corrective measures are described on a Corrective Measures Work Plan, prepared by C.T. Male, dated April 19, 2024.

It is noted that the site owner's contractor attempted to make repairs in March 2024. Access to the premises were not provided by the tenant of the 61 Water Street Building at the time.

Post-Repair Inspection:

Inspector:_____ Date: _____





Cracks in the floor slab identified at 61 Water Street in the Mirage Glass Manufacturer.

ATTACHMENT C

MATERIAL INFORMATION SHEETS

Construction

Product Data Sheet
Edition 1.29.2018
Sikaflex-1a

Sikaflex®-1a

One part polyurethane, elastomeric sealant/adhesive

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Sika Corporation
Product: Sikaflex®-1A

C719: Pass ✓ Ext:+35% Comp:-35%

Substrate: Mortar, Aluminum, Glass
[mortar substrate primed with Sika Primer 429]

Validation Date: 1/24/18 – 1/23/23

No. 0108-S0123 *Copyright © 2018*

SEALANT VALIDATION
www.swrionline.org

Description

Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Meets Federal specification TT-S-00230C, Type II, Class A. Meets ASTM C-920, Type S, Grade NS, Class 35, use T, NT, O, M, G, I, A; Canadian standard CAN/CGSB 19.13-M87.

Where to Use

- Designed for all types of joints where maximum depth of sealant will not exceed 1/2 in.
- Excellent for small joints and fillets, windows, door frames, reglets, flashing, common roofing detail applications, and many construction adhesive applications.
- Suitable for vertical and horizontal joints; readily placeable at 40°F.
- Has many applications as an elastic adhesive between materials with dissimilar coefficients of expansion.
- Submerged conditions, such as canal and reservoir joints.

Advantages

- Eliminates time, effort, and equipment for mixing, filling cartridges, pre-heating or thawing, and cleaning of equipment.
- Fast tack-free and final cure times.
- High elasticity - cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.
- Stress relaxation.
- Excellent adhesion - bonds to most construction materials without a primer.
- Excellent resistance to aging, weathering.
- Proven in tough climates around the world.
- Odorless, non-staining.
- Jet fuel resistant.
- Certified to the NSF/ANSI Standard 61 for potable water.
- Urethane-based; suggested by EPA for radon reduction.
- Paintable with water-, oil- and rubber-based paints.
- Capable of ±35% joint movement.

Chemical Resistance

Good resistance to water, diluted acids, and diluted alkalines. Consult Technical Service for specific data.

Packaging

10.1 fl. oz. (300 mL), 20 fl. oz. (591 mL), 4.5 gal (17 L) in a 5 gal pail, 52 gal (197 L) in a 55 gal drum

Typical Data *(Material and curing conditions @ 73°F (23°C) and 50% R.H.)*

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	10.1 fl. oz. cartridges	12 months
	20 fl. oz. uni-pac sausages	12 months
	5 gallon pail	6 months
	55 gallon drum	6 months
Storage Conditions	Store at 40°-95°F (4°-35°C). Condition material to 65°-75°F before using.	
VOC Content	40 g/L	
Colors	White, colonial white, aluminum gray, limestone, black, dark bronze, capitol tan, stone and medium bronze. Special architectural colors on request.	
Application Temperature	40° to 100°F. Sealant should be installed when joint is at mid-range of its anticipated movement.	
Service Range	-40° to 170°F	
Curing Rate	Tack-free time	3 to 6 hours
	Tack-free to touch	3 hours
	Final cure	4 to 7 days
Tear Strength (ASTM D-624)	55 lb./in.	
Shore A Hardness (ASTM C-661)	21 day	40±5
Movement Capability (ASTM C-719)	+/- 35%	
Tensile Properties (ASTM D-412)		
21 day	Tensile Stress	175 psi (1.21 MPa)
	Elongation at Break	550%
	Stress at 100%	85 psi (0.59 MPa)

Adhesion in Peel (TT-S-00230C, ASTM C 794)

Substrate	Peel Strength	Adhesion Loss
Concrete	20 lb.	0%
Aluminum	20 lb.	0%
Glass	20 lb.	0%

Weathering Resistance Excellent

Construction

Coverage

10.1 oz Cartridge: Yield in Linear feet

Width \ Depth	1/4"	3/8"	1/2"
1/4"	24.3		
3/8"	16.2	10.8	
1/2"	12.1	8.1	6.1
3/4"	8.1	5.4	4.0
1"			3.0
1.25"			2.4
1.5"			2.0

20 oz Sausage: Yield in Linear feet

Width \ Depth	1/4"	3/8"	1/2"
1/4"	48.1		
3/8"	32.1	21.4	
1/2"	24.1	16.0	12.0
3/4"	16.0	10.7	8.0
1"			6.0
1.25"			4.8
1.5"			4.0

1 gallon: Yield in Linear feet

Width \ Depth	1/4"	3/8"	1/2"
1/4"	307.9		
3/8"	205.3	136.8	
1/2"	153.9	102.6	77.0
3/4"	102.6	68.4	51.3
1"			38.5
1.25"			30.8
1.5"			25.7

How to Use

Surface Preparation

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. A roughened surface will also enhance bond. Install bond breaker tape or backer rod to prevent bond at base of joint.

Priming

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure.

Consult Sikaflex Primer Technical Data Sheet or Technical Service for additional information on priming.

Application

Recommended application temperatures: 40°-100°F.

For cold weather application, condition units at approximately 70°F; remove prior to using. For best performance, Sikaflex-1a should be gunned into joint when joint slot is at mid-point of its designed expansion and contraction. Place nozzle of gun into bottom of the joint and fill entire joint. Keep the nozzle in the sealant, continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air.

Tooling and Finishing

Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio, For use in horizontal joints in traffic areas, the absolute minimum depth of the sealant is 1/2 in. and closed cell backer rod is recommended.

Removal

Use personal protective equipment (chemical resistant gloves/goggles/clothing). Without direct contact, remove spilled or excess product and placed in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

Over Painting

Allow 1-week cure at standard conditions when using Sikaflex-1a in total water immersion situations and prior to painting.

Limitations

- When overcoating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Sealant should be allowed to cure for 7 days prior to overcoating.
- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5 ppm of chlorine.)
- Maximum depth of sealant must not exceed 1/2 in.; minimum depth is 1/4 in.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- Use opened cartridges and uni-pac sausages the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- White color tends to yellow slightly when exposed to ultraviolet rays.
- Light colors can yellow if exposed to direct gas fired heating element.
- The ultimate performance of Sikaflex-1a depends on good joint design and proper application with joint surfaces properly prepared.
- The depth of sealant in horizontal joints subject to traffic is 1/2 in.
- Do not tool with detergent or soap solutions.
- Do not use in contact with bituminous/asphaltic materials.

PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT HTTP://USA.SIKA.COM/ OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. FOR PROFESSIONAL USE ONLY.

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at http://usa.sika.com/ or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. SALE OF SIKA PRODUCTS ARE SUBJECT SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT HTTP://USA.SIKA.COM/ OR BY CALLING 201-933-8800.

Visit our website at usa.sika.com **1-800-933-SIKA NATIONWIDE**

Regional Information and Sales Centers. For the location of your nearest Sika sales office, contact your regional center.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537

BASF

We create chemistry

Technical Data Guide

7 | 07 92 00
Joint Sealants

MasterSeal® NP 1™

One-component, elastomeric, gun-grade polyurethane sealant

FORMERLY SONOLASTIC® NP 1™

PACKAGING
– 300 ml (10.1 fl oz) cartridges, 30 cartridges per carton and 12 cartridges per carton
– 590 ml (20 fl oz) ProPaks, 20 per carton

COLORS
White, Off-White, Limestone, Stone, Tan, Aluminum Gray, Medium Bronze, Special Bronze, Redwood Tan, Black And Gray

For color availability in bulk packaging, call Customer Service.

YIELD
See page 3 for charts

STORAGE
Store in original, unopened containers away from heat and direct sunlight. Storing at elevated temperatures will reduce the shelf life.

SHELF LIFE
Cartridges and ProPaks:
1 year when properly stored.

VOC CONTENT
35g/L less water and exempt solvents

DESCRIPTION
MasterSeal NP 1 is a one-component, high-performance, non-priming, gun-grade, elastomeric polyurethane sealant. It requires no mixing and typically requires no priming to bond to many materials, including concrete and masonry.

PRODUCT HIGHLIGHTS
- One-component formula requires no mixing, helping to reduce labor costs
- Joint movement capability ±35% provides excellent flexibility for keeping moving joints weathertight
- Easy to gun and tool, speeding up application and making neater joints
- Available in ProPaks, reducing jobsite waste, lowering disposal costs
- 12 standard colors to match a wide variety of common substrates
- No primer required for most construction materials lowering installation costs
- Weather resistant for long-lasting weathertight seals
- Wide temperature application range makes MasterSeal NP 1 suitable for all climates
- Compatible with non-rigid coatings and can be painted
- Superior holding power for long-lasting roof tile installation
- UL listed; Passes 4–hour, 4–inch, fire and hose stream test when used with Ultra Block or mineral wool
- Suitable for water immersion with documented performance in wet areas
- Meets VOC requirements in all 50 states

APPLICATIONS
- Interior and exterior
- Above and below grade
- Immersed in water
- Expansion joints
- Panel walls
- Precast units
- Aluminum and wood window frames
- Roofing
- Fascia
- Parapets
- Vinyl siding
- Store front assemblies

SUBSTRATES
- Concrete
- Masonry
- Aluminum
- Wood
- Clay & concrete roof tiles
- Stucco
- Natural stone

Technical Data

Composition

MasterSeal NP 1 is a one-component moisture-curing polyurethane.

Compliances

- ASTM C 920, Type S, Grade NS, Class 35, Use NT, M, A, T, O* and I
- Federal Specification TT-S- 00230C, Type II, Class A
- Corps of Engineers CRD-C- 541, Type II, Class A
- Canadian Specification CAN/CGSB-19.13-M87, Classification MCG-2-25-A-N, No. 81026
- CFI accepted
- USDA compliant for use in meat and poultry areas
- Underwriters Laboratories Inc.® classified (fire resistance only)
- ISO 11600-F-25LM

* Refer to substrates in Where to Use.

Typical Properties

PROPERTY	VALUE
Service temperature range, ° F (° C)	-40 to 180 (-40 to 82)
Shrinkage	None

Test Data

PROPERTY	RESULTS	TEST METHOD
Movement capability, %	±35	ASTM C 719
Tensile strength, psi (MPa)	350 (2.4)	ASTM D 412
Tear strength, pli	50	ASTM D 1004
Ultimate elongation at break, %	800	ASTM D 412
Rheological, (sag in vertical displacement) at 120° F (49° C)	No sag	ASTM C 639
Extrudability, 3 seconds	Passes	ASTM C 603
Hardness, Shore A		ASTM C 661
At standard conditions	25 – 30	
After heat aging (max Shore A: 50)	25	
Weight loss, after heat aging, %	3	ASTM C 792
Cracking and chalking, after heat aging	None	ASTM C 792
Tack-free time, hrs, (maximum 72 hrs)	Passes	ASTM C 679
Stain and color change	Passes	ASTM C 510
Adhesion* in peel, pli (min. 5 pli)	30	ASTM C 794
Adhesion* in peel after UV radiation through glass (min. 5 pli)	Passes	ASTM C 794
Artificial weathering, Xenon arc, 250 hours	Passes	ASTM C 793
Artificial weathering, Xenon arc, 3,000 hours	No surface cracking	ASTM G 26
Water immersion, 122˚ F (50˚ C)	Passes 10 weeks with movement cycling	ASTM C 1247

*Primed for water immersion dictated by ASTM C 920. Concrete and aluminum primed with P 173.
Test results are typical values obtained under laboratory conditions. Reasonable variations can be expected.

TABLE 1
Joint Width and Sealant Depth

JOINT WIDTH, IN (MM)	SEALANT DEPTH AT MIDPOINT, IN (MM)
¼–½ (6–13)	¼ (6)
½–¾ (13–19)	¼–⅜ (6–10)
¾–1 (19–25)	⅜–½ (10–13)
1–1½ (25–38)	½ (13)

Yield

LINEAR FEET PER GALLON*

JOINT DEPTH, (INCHES)	¼	⅜	½	⅝	¾	⅞	1	1½	JOINT WIDTH (INCHES) 2	3
¼	308	205	154	122	–	–	–	–	–	–
⅜	–	–	–	82	68	58	51	–	–	–
½	–	–	–	–	51	44	38	26	19	12

METERS PER LITER

JOINT DEPTH, (MM)	6	10	13	16	19	22	25	38	JOINT WIDTH (MM) 50	75
6	24.8	16.5	12.4	9.8	–	–	–	–	–	–
10	–	–	–	6.6	5.5	4.7	4.1	–	–	–
13	–	–	–	–	4.1	3.5	3.0	2.2	1.5	0.7

HOW TO APPLY

JOINT PREPARATION

1. The product may be used in sealant joints designed in accordance with SWR Institute's Sealants - The Professional's Guide.
2. In optimal conditions, the depth of the sealant should be ½ the width of the joint. The sealant joint depth (measured at the center) should always fall between the maximum depth of ½" and the minimum depth of ¼". Refer to Table 1.
3. In deep joints, the sealant depth must be controlled by closed cell backer rod or soft backer rod. Where the joint depth does not permit the use of backer rod, a bond breaker (polyethylene strip) must be used to prevent three-point bonding.
4. To maintain the recommended sealant depth, install backer rod by compressing and rolling it into the joint channel without stretching it lengthwise. Closed cell backer rod should be about ⅛" (3 mm) larger in diameter than the width of the joint to allow for compression. Soft backer rod should be approximately 25% larger in diameter than the joint width. The sealant does not adhere to it, and no separate bond breaker is required. Do not prime or puncture the backer-rod.

SURFACE PREPARATION

Substrates must be structurally sound, fully cured, dry, and clean. Substrates should always be free of the following: dirt, loose particles, oil, grease, asphalt, tar, paint, wax, rust, waterproofing or curing and parting compounds, membrane materials and sealant residue.

CONCRETE, STONE AND OTHER MASONRY

Clean by grinding, sandblasting or wire brushing to expose a sound surface free of contamination and laitance.

WOOD

New and weathered wood must be clean, dry and sound. Scrape away loose paint to bare wood. Any coatings on wood must be tested to verify adhesion of sealant or to determine an appropriate primer.

METAL

Remove scale, rust and loose coatings from metal to expose a bright white surface. Any coatings on metal must be tested to verify adhesion of sealant or to determine an appropriate primer.

PRIMING

1. MasterSeal NP 1 is considered a non-priming sealant, but special circumstances or substrates may require a primer. It is the user's responsibility to check the adhesion of the cured sealant on typical test joints at the project site before and during application. Refer to product data sheet on MasterSeal P 173 or MasterSeal P 176, and consult Technical Service for additional information.
2. For immersion applications, MasterSeal P 173 must be used.
3. Apply primer full strength with a brush or clean cloth. A light, uniform coating is sufficient for most surfaces. Porous surfaces require more primer; however, do not over-apply.
4. Allow primer to dry before applying MasterSeal NP 1. Depending on temperature and humidity, primer will be tack-free in 15–120 minutes. Priming and sealing must be done on the same day.

APPLICATION

1. MasterSeal NP 1 comes ready to use. Apply using professional grade caulking gun. Do not open cartridges, ProPaks or pails until preparatory work has been completed.
2. Fill joints from the deepest point to the surface by holding an appropriately sized nozzle against the back of the joint.

3. Dry tooling is recommended. Proper tooling results in the correct bead shape, neat joints, and optimal adhesion.
4. For roof tile applications apply a bead of MasterSeal NP 1 sufficient in size to make a bond between two tiles on the upper surface of the down slope tile. Install the upslope tile and press into the sealant bead to ensure good contact between the sealant and both tiles.

CURING TIME

The cure of MasterSeal NP 1 varies with temperature and humidity. The following times assume 75° F (24° C), 50% relative humidity, and a joint ½" width by ¼" depth (13 by 6 mm).
– Skins: overnight or within 24 hours
– Full cure: approximately 1 week
– Immersion service: 21 days

CLEAN UP

1. Immediately after use, clean equipment with MasterSeal 990 or xylene. Use proper precautions when handling solvents.
2. Remove cured sealant by cutting with a sharp-edged tool.
3. Remove thin films by abrading.

FOR BEST PERFORMANCE

- Do not allow uncured MasterSeal NP 1 to come into contact with alcohol-based materials or solvents.
- Do not apply polyurethane sealants in the vicinity of uncured silicone sealants or uncured MasterSeal NP 150™.
- MasterSeal NP 1 should not come in contact with oil-based caulking, uncured silicone sealants, polysulfides, or fillers impregnated with oil, asphalt or tar.
- Protect unopened containers from heat and direct sunlight.
- In cool or cold weather, store container at room temperature for at least 24 hours before using.
- When MasterSealNP 1 is to be used in areas subject to continuous water immersion, cure for 21 days at 70˚ F (23˚ C) and 50% relative humidity. Allow longer cure times at lower temperatures and humidities. Always use MasterSeal P 173.
- Do not apply over freshly treated wood; treated wood must have weathered for at least 6 months.
- Do not use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers. Avoid submerged conditions where water temperatures will exceed 120˚ F (50˚ C).
- Substrates such as copper, stainless steel and galvanized steel typically require the use of a primer; MasterSeal P 173 or MasterSeal P 176 is acceptable. For Kynar 500 based coatings, use P 173 only. An adhesion test is recommended for any other questionable substrate.
- MasterSeal NP 1 is an aromatic urethane, as such it may discolor over time with UV exposure. Where maintaining a true white appearance is critical, use MasterSeal NP 150 or MasterSeal CR 195 sealants.
- MasterSeal NP 1 can be applied below freezing temperatures only if substrates are completely dry, free of moisture and clean. Contact Technical Service for more information.
- Lower temperatures and humidities will extend curing times.
- Pursuant to accepted industry standards and practices, using rigid paints and/or coatings over flexible sealants can result in a loss of adhesion of the applied paint and/or coating, due to the potential movement of the sealant. However, should painting and/or coating be desired it is required that the applicator of the paint and/or coating conduct on-site testing to determine compatibility and adhesion.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.
- Not for use in glazing applications. Do not apply on glass and plastic glazing panels.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbscst@basf.com or calling 1(800)433-9517. Use only as directed.
For medical emergencies only, call ChemTrec® 1(800)424-9300.

LIMITED WARRANTY NOTICE

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

BASF Corporation
Construction Systems
889 Valley Park Drive, Shakopee, MN 55379
www.master-builders-solutions.basf.us
Customer Service 1(800)433.9517
Technical Service 1(800)243.6739

ATTACHMENT D

C.T. MALE LETTER – AIR PURIFIER SYSTEM

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.

12 Raymond Avenue, 2nd Floor, Poughkeepsie, NY 12603
845.454.4400 www.ctmale.com

May 24, 2024 ***Via Email***

Emily Barry P.G., Assistant Geologist
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 3
21 South Putt Corners Road
New Paltz, New York 12561-1620
emily.barry@dec.ny.gov

RE: Air Purifier Selection – 61 Water Street Property
Hudson Wire Mill Brownfield Cleanup Program Site
Village of Ossining, Westchester County, New York
BCP Site ID: C360065; C.T. Male Project No.: 21.1622

Dear Ms. Barry:

C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. (C.T. Male), on behalf of The Wire Mill LLC, has prepared this letter to document the selection of air purifiers for the office space at the 61 Water Street property. An air purifier system for the office space was requested by NYSDEC via electronic communication on May 15, 2024. The installation and operation of the air purifier system is intended to be a temporary measure throughout the course of the implementation of the Corrective Measures Work Plan (CMWP), prepared by C.T. Male and dated April 19, 2024. The CMWP is currently under review by NYSDEC and NYSDOH.

The following conditions and/or information were evaluated prior to equipment selection:

- Visual assessment of the three (3) interior office areas;
- Area measurements for each office;
- Review of volatile organic compound (VOC) concentrations from indoor air samples collected by C.T. Male (IA-9) and DT Consulting Services (AI-1, AI-2 and AI-3) in 2024, and;
- Communication with AllerAir and Vitalaire Systems LLC, air purifiers vendors.

The office space consist of three (3) individual office areas (approximately 300 square feet [sq. ft.] each) interconnected through openings or interior doors. Based on this information, three (3) air purifiers model "AirMedic Pro 6 Ultra Vocarb" were selected, one for each office area. This air purifier model contains a prefilter, a HEPA filter for particle control and carbon bed filter for the absorption of chemicals. A specification sheet is provided attached.

Per the vendor representative for AllerAir, each unit is rated to handle a 2,000 sq. ft. area providing two (2) air changes per hour (ACH) under normal conditions. The unit can handle an area of 1,000 sq. ft. with a severe and constant source of contaminants. Based on the individual office area size in this application, one (1) unit will be able to provide close to four (4) ACH for

each individual office space. It is our opinion that these units will adequately address on-site conditions in the office areas. Based on our discussion with the vendor; the units were sized for a larger area than the individual office areas in question, which will allow for these units to address higher concentrations of volatiles, if warranted. It is recommended the equipment be operated continuously (24/7) at a medium speed.

The units have been ordered and are anticipated to arrive the week of May 27th – 31st. C.T. Male will document the installation of these units upon receipt and inspection.

Please do not hesitate to contact me should you require further information.

Respectfully submitted,
C.T. MALE ASSOCIATES

Rosaura Andújar-McNeil, P.E.
Environmental Engineer/Project Manager

Attachment: Specification Sheet

ec: Robert Fedigan, The Wire Mill LLC
Colleen Carney, The Wire Mill LLC
James D. McIver, P.G., C.T. Male
Jeffrey A. Marx, P.E., C.T. Male
James Arrabito, Esq., CM&R PLLC

AirMedic Pro 6 Ultra Vocarb

Heavy-Duty Air Filtration for Contaminated Environments

Designed for spaces where very heavy concentrations of volatile organic compounds and other chemicals and odors are the primary concern. This unit features a special VOC blend of carbon in an extra deep bed filter for superior adsorption of harmful toxins. A superHEPA for particles completes this powerful unit.

Why AllerAir Air Purifiers

Backed by unparalleled expertise in air quality control and a superior filtration system, AllerAir air cleaners are individually customized to target the airborne pollutants of concern in the environment. Our units offer more filtration media than any other manufacturer, with the deepest carbon bed filters for chemicals, gases and odors, and superior superHEPA filters for particle control.

Cleaner Indoor Air

Clean air is recognized as a vital component for overall comfort, workplace health and safety as well as productivity. According to research from leading organizations like the EPA, WHO and Health Canada, indoor air pollution may pose more of a public health risk in North America than outdoor air pollution.

Green Features

- All-metal housing
- Ozone-free filtration technology
- Energy efficient
- Refillable carbon canisters
- Styrofoam free
- North American sourced parts and materials
- North American assembly

Technical Specifications

Carbon Filter	38-40 lb., 5" depth
HEPA Filter & Pre-filters	superHEPA wrap, Pre-filter
Options	UV Light, Custom Carbon Blends
CFM	400 Free flow
Voltage	115V/60Hz or 230V/50Hz
Dimensions	23.5" (height) x 15" (diameter)
Shipping Weight	Approx. 70 lbs. 2 boxes
Available Colors	Black, White, Sandstone

1.888.852.8247
www.allerair.com
Contact: George Luker 888-852-8247 Ext 241 or GLuker@AllerAir.com

Activated Carbon Efficiency Table

Some of the contaminants listed in the following table are specific chemical compounds. Some represent classes of compounds, and others are mixtures of variable composition. The activated carbon capacity for odors as noted in the table by the numbers 1-4, varies somewhat with the odors concentration in the air with humidity and temperature. The numbers listed in the Index represent typical or average conditions, and might vary in specific instances. These are some of the more common chemicals that we are asked to address.

The capacity index numbers on the Carbon Efficiency Table are clarified by the following descriptions:

4. High capacity for all materials in this category. One pound of carbon adsorb approximately 20% to 50% of its own weight. This category includes most of the odor causing substances.

3. Satisfactory capacity for all items in this category. These constitute good applications but the capacity is not as high as for category 4. One pound of carbon adsorbs approximately 10% to 20% of its own weight.

2. Includes substances which are not highly adsorbed, but which might be taken up sufficiently to be of good service under the particular conditions of operations. These require individual checking.

1. Adsorption capacity is low for these materials. Activated carbon cannot be satisfactorily used to remove them under ordinary circumstances.

Factory Note:

* These contaminants can be removed with specially impregnated carbon which will raise the category of efficiency for that contaminant to category 3 or 4.

If you do not find in the accompanying table, the chemicals or odors you wish to remove from your facility's air, please contact us at the factory and we will be able to tell you how efficient our carbon mixes will be in removing the contaminant.

595 Portal Street, Suite A, Cotati, CA 94931 USA ~ (800) 525-0711 ~ (707) 665-9616 ~ FAX (707) 665-9620

E-mail: sales@odorcontroller.com ~ Web Site: http://electrocorp.net

*	Acetic acid	4
	Acetic anhydride	4
	Acetone	3
*	Acetylene	1
*	Acrolein	3
	Acrylic acid	4
	Acrylonitrile	4
	Adhesives	4
	Air-Wick	4
	Alcoholic beverages	4
*	Amines	2
*	Ammonia	2
	Amyl acetate	4
	Amyl alcohol	4
	Amyl ether	4
	Animal odors	3
	Anesthetics	3
	Aniline	4
	Antiseptics	4
	Asphalt fumes	4
	Automobile exhaust	3
	Bathroom smells	4
	Benzene	4
*	Bleaching solutions	3
	Body odors	4
	Borane	3
	Bromine	4
	Burned flesh	4
	Burned food	4
	Burning fat	4
	Butadiene	3
	Butane	2
	Butanone	4
	Butyl acetate	4
	Butyl cellosolve	4
	Butyl chloride	4
	Butyl ether	4
*	Butylene	2
*	Butyne	2
*	Butyraldehyde	3
	Butyric acid	4
	Cadaverine	3
	Camphor	4
	Cancer odor	4
	Caprylic acid	4
	Carbolic acid	4
	Carbon disulfide	4
*	Carbon dioxide	1
	Carbon monixide	1
	Carbon tetrachloride	4
	Cellosolve	4
	Cellosolve acetate	4
	Charred materials	4
	Cheese	4
	Chlorine	3
	Chlorobenzene	4
	Chlorbutadiene	4
	Chloroform	4
	Chloronitropropane	4
	Chloropicrin	4
	Cigarette smoke odor	4
	Citrus and other fruits	4
	Cleaning compounds	4
	Combustion odors	3
	Corrosive gases	3
	Cooking odors	4
	Creosote	4
	Creosol	4
	Crotonaldehyde	4
	Dichloroethylene	4
	Dichloroethyl ether	4
	Dichloromonofluomethane	3
	Dichloromonofluomethane	3
	Dichloropropane	4
	Dichlorotetrafluroethane	4
	Diesel fumes fumeador	4
*	Diethylamine	3
	Doethyl ketone	4
	Dimethylaniline	4
	Dimethylsulfate	4
	Dioxane	4
	Dipropyl ketone	4
	Disinfectants	4
	Embalming odors	4
	Ethane	1
	Ether	3
	Ethyl acetate	4
	Ethyl acrylic	4
	Ethyl alcohol	4
*	Ethylamine	3
	Ethyl benzene	4
	Ethyl bromide	4
	Ethyl chloride	3
	Ethyl ether	3
*	Ethyl formate	3
	Ethyl mercaptan	3
	Ethyl silicate	4
*	Ethylene	1
	Ethylene chlorhydrin	1
	Ethylene dichloride	4
	Ethylene oxide	4
	Essential oils	3
	Eucalyptole	4
	Exhaust fumes	4
	Fertilizer	3
	Film processing odors	4
	Fish odors	3
	Floral scents	4
	Flurotrichloromethane	4
	Food aromas	3
*	Formaldehyde	4
	Formic acid	2
	Fuel gases	3
	Fumes	2
	Gangrene	3
	Garlic	4
	Gasoline	4
	Heptane	4
	Heptylene	4
	Hexane	4
*	Hexylene	3
*	Hexyne	3
	Hospital odors	3
	Household smells	4
	Hydrogen	4
	Hydrogen bromide	1
*	Hydrogen chloride	2
*	Hydrogen cyanide	2
*	Hydrogen sulfide	3
	Incense	4
	Indole	4
	Industrial wastes	3
	Iodine	4
	Iodoform	4
	Irritants	4
	Isophorone	4
*	Isoprene	3
	Isopropyl acetate	4
	Isopropyl alcohol	4
	Masking agents	4
	Medicinal odors	4
	Melons	4
	Menthol	4
	Mercaptans	4
	Methane	1
	Methyl acetate	3
	Methyl acrylic	4
	Methyl alcohol	3
	Methyl bromide	3
	Methyl butyl ketone	4
	Methyl cellosolve	4
	Methyl cellosolve acetate	4
	Methyl chloride	3
	Methyl chloroform	4
	Methyl ether	3
	Methyl ether ketone	4
	Methyl formate	3
	Methyl isobutl ketone	4
	Methyl mercaptan	4
	Methylcyclohexane	4
	Methylcyclohexanol	4
	Methylcyclohexanone	4
	Methyl oxide	4
	Methylene chloride	1
	Methylmethacrylate	4
	Mildew	3
	Mixed odors	4
	Mold	3
	Monochlorobenzene	4
	Monoflurotrichloromethane	4
	Mothballs	4
	Naptha (coal tar)	4
	Naptha (petroleum)	4
	Napthalene	4
	Nicotine	4
*	Nitric acid	3
	Nitro benzenes	4
	Nitroethane	4
*	Nitrogen dioxide	2
	Nitroglycerine	4
	Nitromethane	4
	Nitropropane	4
	Nonane	4
	Octalene	4
	Octane	4
	Odorants	4
	Onions	4
	Organic chemicals	4
	Ozone	4
	Packing house odors	4
	Paint odor	4
	Paste and glue	4
	Pentane	3
	Pentanone	4
*	Pentylene	3
*	Pentyne	3
	Perchloroethylene	4
	Perfumes, costmetics	4
	Perspirations	4
	Pet odors	4
	Phenol	4
	Phoagne	3
	Popcorn and candy	4
	Poultry odors	4
	Propane	2
*	Propionaldehyde	3
	Propionic acid	4
	Propyl chloride	4
	Propyl ether	4
	Propyl mercaptan	4
*	Propyne	2
	Putrefying substances	3
	Putrescine	3
	Radiation products	2
	Rancid oil	4
	Resins	4
	Reodorants	4
	Ripening fruits	4
	Rubber	4
	Sauerkraut	4
	Sewer odors	4
	Skatole	4
	Slaughtering odors	3
	Smog	4
	Smoke	4
	Soaps	4
	Solvents	3
	Sour milk	4
	Spilled beverages	4
	Spoiled foodstuffs	4
	Stoddard solvent	4
	Stuffiness	4
	Styrene monomer	4
*	Sulfur dioxide	2
*	Sulfur trioxide	3
	Sulfuric acid	4
	Tar	4
*	Tarnishing gases	3
	Tetrachlorethylene	4
	Tetrachloroethane	4
	Toilet odors	4
	Toulene	4
	Toluidine	4
	Trichlorethylene	4
	Trichloroethane	4
	Urea	4
	Uric acid	4
	Valeric acid	4
	Valericaldehyde	4
	Varnish fumes	4
	Vinegar	4
	Vinyl chloride	3
	Waste products	3
	Wood Alcohol	3
	Xylene	4

ATTACHMENT E

CHEMICAL INVENTORY – MAY 16, 2024

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Shelving Adjoining Office (Northeastern Portion of the Building)
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Glass cleaner SW-050	Sprayway	15+	19 oz / 539 g	metal spray can	alcohol, butoxyethanol, propane, t butyl alcohol, butane
All Purpose Interior and Exterior Primer	KILZ 2	1	128 fl oz / 3.79 L	metal paint can	limestone, tianium dioxide, quartz, 5-chloro-2-methyl-2H-isothiazol-3-one
Interior Paint and Primer, Satin, Pure White, GLN6211N	Glidden	1	31 fl oz / 916 mL	metal paint can	titanium dioxide
Acetone	sunnyside	1	1 gallon / 3.785 L	metal container	acetone
Premium Performance Autotransmission fluid ATF+4	Napa	1	1 qt / .946 L	plastic bottle	hydrotreated light paraffinic distillate, heavy paraffinic distillate, mineral oil, benzene, dodecyl hydroxypropyl sulfide, polymer
228/286)	Benzomatic	2	14 oz / 400 g	gas canister	propane, propylene, ethane, ethyl mercaptan
Surface Disinfectant	Renegade Products Home and Busir	1	16 fl oz / 474 mL	plastic spray bottle	ethyl alcohol
100% Silicone Sealant Item #4045036	DOWSIL	12	10.3 fl oz / 305 mL	caulk bottle	silicon dioxide
Silicone Sealant (various colors)	CR Laurence Co (CRL)	100+	10.3 fl oz / 305 mL	caulk bottle	aluminum
895 NST	Pecora Corporation	5-10	10 fl oz / 300 mL	caulk bottle	Proprietary Polydimethyl Siloxane, Calcium Carbonate, Organic Methyl Silane, Proprietary Mineral Spirits (contains less than 0.1% benzene), Proprietary Cyclosiloxane, Proprietary Phenylated Ketoxomio Silane, Quartz, Carbon Black
Extra Build Mirror Mastic Gunther	CR Laurence Co (CRL)	5-10	10 fl oz / 300 mL	caulk bottle	Kaolin, Naphtha (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated light, toluene
SCS2000 SilPruf	GE	5-10	10 fl oz / 300 mL	caulk bottle	calcium carbonate, titanium dioxide, octadecanoic acid, octamethylcyclotetrasiloxane
Metal, Plastic, and Fiberglass Polish Mill Spec. #P 6888C	FLITZ	1		metal paint can	isoalkanes,cyclics, Hydrocarbons, C13-C16, iso-alkans , cyclics, Hydrocarbons, C13-C18, n-alkanes, isoalkanes, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, Hydrocarbons, C13-C15, n-alkanes, isoalkanes, cyclics, Amides, C8-C18 (even
Epoxy Steel Hardener Twin Tubes	J-B Weld Professional	1	5 oz / 142 g	tube	Limestone, Phenol, Talc, Formaldehyde, 1-4-bris butane, glass oxide
Enzyme Fuel Treatment	Star Tron	1	8 fl oz / 237 mL	plastic Bottle	petroleum distillates, kerosine petroleum
360 Marine Ethanol Treatment and Stabilizer	STA-BIL	1	8 fl oz / 236 mL	plastic bottle	isoparaffins petroleum hydrotreated HEP + additives proprietary
Diamond Blue Wash	Diamond Blue	2+	unknown	plastic bottle	"Hazardous ingredients: None known" - Per SDS.
Carpenters Wood Glue	Elmers	1	16 fl oz / 474 mL	plastic bottle	"Nonhazardous ingredients" - Per SDS.
plastic wood all purpose wood filler	DAP	1	8 oz / 226 g	plastic tub	limestone, fly ash, titanium dioxade, quartz, attapulgite, phenolphthalein
Carpenters Wood Filler Interior	Elmers	1	8 oz / 226 g	plastic tub	"Nonhazerdous substance" - Per SDS.

Key

- Ingredients listed on can. No PCE/TCE listed.
- Ingredients listed on Safety Data Sheet. No PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
- Ingredients listed on can. PCE/TCE listed.
- Ingredients listed on Safety Data Sheet. PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
- Information Unavailable.

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Shelving Adjoining Office (Northeastern Portion of the Building)
May 16, 2[illegible]

Premium Wood Glue Water Resistant Interior Exterior	Titebond	1	8 oz / 237 mL	plastic squeeze bottle	"There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section." - Per SDS.
Wood Glue	Gorilla	1	18 fl oz / 532 mL	plastic bottle	water, vinyl acetate polymer, aluminum chloride hexahydrate, 2 propanol 1 phenoxy-
Weldwood Contact Cement- The Original Interior/Exterior	DAP	1	3 fl oz / 88.7 mL	metal can	Toluene, MEK, Light aliphatic solvent naptha, n-Heptane, magnesium oxide fume
Gel twist threadlocker blue US#24010 CDN#24215	Permatex	1	0.35 oz / 10 g	plastic tube	dimethylbenzyl hydroperoxide, titanium dioxide, cumene
WD-40	WD-40	1	3 oz / 84 g	metal can	LVP aliphatic hydrocarbon, petroleum base oil, aliphatic hydrocarbon, carbon dioxide
StraitLine Marking Chalk Red	Irwin	1	8 oz / 227 g	plastic bottle	calcium carbonate, red iron oxide, silica crystalline/qtz
StraitLine Marking Chalk Blue	Irwin	1	8 oz / 227 g	plastic bottle	calcium carbonate, sodium aluminosulphosilicate, ultramarine blue 29, crystalline silica / qtz
Flex Tape White	Flex Tape	1	4" x 5'	roll	"pressure sensitive tape", "no health effects anticipated" - Per SDS.
Loctite SF 7649 Primer Part 19269	Henkel	1	1.75 fl oz	glass bottle	acetone, 2 ethylhexanoic acid
Fast Drying Polyurethane Clear Satin	Minwax	3	32 fl oz	metal can	med aliphatic hydrocarbon solvent, light aliphatic hydrocarbon, zirconium 2-ethylhexanoate, methyl ethyl ketoxime
Multi surface stain blocking primer and sealer (436 or 486) (41012573)	BEHR	1	unknown	metal can	ethylene glycol
Molecular Sieve Adsorbent SLN20417___	CR Laurence Co (CRL)	1	5 lbs	metal can	zeolite, silicone oxide
DYNAFLEX ULTRA advnaed exterior sealant window door siding and trim	DAP	1	10.1 fl oz / 300 mL	plastic caulk tube	limestone white mineral oil silica amorphous
Regal Select Interior satin/pearl base 1 N550 1X	Benjamin Moore	1	unknown	metal can	titanium dioxide, kaolin, sodium C14-C16 olefin sulfonate
Advanced waterborne interior alkyd semi gloss white	Benjamin Moore	1	unknown	metal can	titanium dioxide, silica amorphous, tetramethyl-5-decyne-4, 7-diol, 2,4,7,9
Regal Acrylic Paint Eggshell Finish	Benjamin Moore	5	unknown	metal can	titanium dioxide, nepheline syenite, limestone, silica amorphous, kaolin, trimethylolpropane
Semitransparent waterbrone stain	Superdeck	1	unknown	metal can	UV Light Absorber, benzotriazole hydroxylphenyl polymer, titanium dioxide, heavy paraffinic oil
Wood Toned Deck and Stain Sealer 9200 Natural	Cabot	1	unknown	metal can	2 propoxyethanol, 3 lodo 2 propynyl butyl carbamate, MEK, hydrotreated geavy petroleum naphtha, cobalt neodecanoate
All purpose joint compound	Sheetrock	1	12 lb / 5.44 kg	plastic tub	limestone, dolomite, gypsum, mica, vunyl acetate, ethylene vinyl acetate, attapulgite, talc
Contractor Grade Glazing Compound	Wonder Putty	1	128 gl oz	plastic tub	Crystalline silica, calcium carbonate, talc, titanium dioxide, proprietary hazardous ingredients (trade secrets)
Molten Metallics Bronze 621 60	Benjamin Moore	1	32 fl oz / 946 mL	metal can	stoddard solvent, solvent naphtha, aluminum, solvent naphtha, carbon black, cobalt, MEK
ben premium flat interior paint and primer base 4 W625 4X	Benjamin Moore	1	29 fl oz / 857 mL	metal can	nepheline syenite

*C.T. Male Associates relied on information derived from secondary sources including safety data sheets and manufacturer provided information. C.T. Male Associates has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources and has assumed that such information is accurate and complete.

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Metal Cabinet Along Northern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Windsheild Washer Fluid All Season Formula	Krystal Clear	3	1 Gallon / 3.78 L	plastic jug	Methanol
De-Icer windshield washer fluid	rain-x	1	1 Gallon / 3.78 L	plastic jug	Methyl Alcohol
Antifreeze + Coolant 50/50 Prediluted	PEAK	1	1 Gallon / 3.78 L	plastic jug	Ethylene Glycol
2 Cycle Engine Oil	Do it Best	1	8 fl. Oz. / 236.5 mL	plastic bottle	hydrotreated light
tuscania	novacolor	1		plastic bucket	1-2-benzisothiazol=3(2H)-one, 2-methyl-2H-isothiazol-3-one, reaction mass of 5chloro-2-methyl-4isothiazolin-3-one [EC no. 247-500-7] and 2methyl-2H-isothiazol-3one [EC no. 220-239-6] (3:1) CAS 55965-84-9
5W-20 Motor Oil	Mobil	1	5 quarts / 4.73 L	plastic jug	diphenylamine 122-39-4 , phenol, 4,4- methylenebis 118-82-1 , zinc dithiophosphate 68649-42-3
Chain Wax	Maxima	2	5.5 Oz (156 GM)	aerosol spray can	Petroleum gas, n-Hexane, 2-propanone, petroleum hydrocarbon, aliphatc hydrocarbons
Hornet Wasp Jet-Bomb II	shoo-fly	1	12 oz / 340 g	aerosol spray can	petroleum distillate
Match-Up Paint, Med Bronze, 3368521	CR Laurence Co (CRL)	3-5	unknown	aerosol spray can	acetone, propane blend, isobutyl acetate, VM&P Naptha, Titanium Dioxide, Isopropyl Alcohol, Ethylene glycol mono-butyl ether, methyl ethyl ketone, phenylethane
Match-Up Paint, Bronze, L-6515	CR Laurence Co (CRL)	3-5	unknown	aerosol spray can	acetone, propane blend, isobutyl acetate, VM&P Naptha, Titanium Dioxide, Isopropyl Alcohol, Ethylene glycol mono-butyl ether, methyl ethyl ketone, phenylethane
Match-Up Paint, Dark Bronze, L-4485	CR Laurence Co (CRL)	3-5	unknown	aerosol spray can	acetone, propane blend, isobutyl acetate, VM&P Naptha, Titanium Dioxide, Isopropyl Alcohol, Ethylene glycol mono-butyl ether, methyl ethyl ketone, phenylethane
Bio-Clean Water Stain Remover	CR Laurence Co (CRL)	5-10	16 fl. Oz / 473 mL	plastic bottle	Silica(1480-60-7) 35-40 % WT, C9-11 Alcohol Ethoxyl
Professional Touch Up Paint Matte Black SP8BL	CR Laurence Co (CRL)	3-5	12 oz / 340 g	aerosol spray can	acetone (67-64-1), propane (74-98-6), n-butane (106-97-8), n-butyl acetate (123-86-4), propylene
Polishing Oil CRL920	CR Laurence Co (CRL)	5-10	11 oz / 312 g	aerosol spray can	White Mineral Oil 8042-47-5, Naptha (petroleum) hydrotreated light 64742-49-0, propane 74-98-6, n-Heptane 142-82-5, pine oil 8002-09-3
Stainless Steel Cleaner	CR Laurence Co (CRL)	5-10	15 oz / 425 g	aerosol spray can	petroleum gases 68476-85-7, Hydrocarbons, C11-C12, isoalkanes, <2% aromatics, Hydrocarbons C11-C13 Isoalkanes <2% aromatics 90622-58-5
"Sparkle" Cleaner and Stain Remover Cat. No. SP101	CR Laurence Co (CRL)	1	8 fl oz / 236 mL	plastic bottle	Quartz CAS 14808-60-7
Plastic Cleaner and Polish	CR Laurence Co (CRL)	1	8 fl oz / 236 mL	plastic bottle	Ethanol 64-17-5 , Propane 74-98-6 Butane 106-97-8 Ethanol, 2-butoxy 111-76-2 Ethanol, 2-(2-butoxyethoxy)112-34-5 Sodium nitrite, Nitrous acid, sodium salt (1:1) 7632-00-0 Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl- 556-67-2
S209 Aerosol Mirror Edge Sealant	CR Laurence Co (CRL)	1	10.5 oz / 298 g	aerosol spray can	trichloroethylene, acetone, vm&p naptha, mineral spirits, and liquefied petroleum gas
Solvent Cleaner & Degreaser	CR Laurence Co (CRL)	1	20 oz / 567 g	aerosol spray can	trichloroethylene, CO2
Freez-It Spray	CR Laurence Co (CRL)	5-10	6.5 oz / 184 g	aerosol spray can	butane, propane, ethyl alcohol,
Spray Penetrant	CR Laurence Co (CRL)	1-Jan	12 oz / 340 g	aerosol spray can	distillates (petroleum) hydrotreated light, diethylene glycol monobutyl ether, propane
Ultra Exterior Spray Fast Drying Polyurethane Clear Satin	ZAR	2	11 oz / 312 g	aerosol spray can	acetone, toluene, propane, isobutane, and petroleum distillates
Inverted Marking Paint	Rust-oleum	3-5	15 oz / 425 g	aerosol spray can	acetone, liquified petroleum gas, petroleum distillates, n-butyl acetate, aromatic hydrocarbons
Hi-Build Enamel Fleet Coating	Dupli-Color	2	16 oz / 453 g	aerosol spray can	aromatic hydrocarbons and ketones
Industrial Strength Custom Color Spray Paint Winds Breath	HEDRIX	5-10	11 oz / 312 g	aerosol spray can	isobutane 75-28-5, acetone 67-64-1, glycol ether EB 111-76-2, glycol ether PM 107-98-2
Industrial Strength Custom Color Spray Paint Medium Bronze	HEDRIX	3	11 oz / 312 g	aerosol spray can	isobutane 75-28-5, acetone 67-64-1, glycol ether EB 111-76-2, glycol ether PM 107-98-2
1K FillClean 368 2071	Spray Max	1	7.5 oz. / 212 g	aerosol spray can	dimethyl ether, acetone, propylene glycol monomethyl ether acetate
Painter's Touch 2x UltraCover Paint and Primer, Flat Black	Rust-oleum	3-5	12 oz / 340 g	aerosol spray can	Acetone, liquefied petroleum gas, petroleum distillates, and aromatic hydrocarbons
Painter's Touch 2x UltraCover Paint and Primer Matte Clear	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone, liquefied petroleum gas, petroleum distillates, n-butyl acetate, dimethyl carbonate, xylene, glycol ethers

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Metal Cabinet Along Northern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Painter's Touch 2x UltraCover Paint and Primer, Winter Gray Gloss	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone, liquified petroleum gas, naptha, xylene, n-butyl acetate, and glycol ethers
Painter's Touch 2x UltraCover Paint and Primer, Semi-Gloss Black	Rust-oleum	2	12 oz / 340 g	aerosol spray can	Acetone, liquified petroleum gas, petroleum distillates, and xylene
Painter's Touch 2x UltraCover Paint and Primer, Mango	Rust-oleum	1	12 oz / 340 g	aerosol spray can	toluene, acetone, and xylene
Painter's Touch 2x UltraCover Paint and Primer, Meadow Green	Rust-oleum	1	12 oz / 340 g	aerosol spray can	acetone, liquefied petroleum gas, naptha, xylene, asnd n-butyl acetate
Painter's Touch 2x UltraCover Paint and Primer, White semi-gloss	Rust-oleum	1	12 oz / 340 g	aerosol spray can	liquified petroleum gas, acetone, petroleum distillates, xylene, and n-butyl acetate
Painter's Touch 2x UltraCover Paint and Primer, Satin	Rust-oleum	1	12 oz / 340 g	aerosol spray can	liquified petroleum gas, acetone, petroleum distillastes, and xylene
Painter's Touch 2x UltraCover Paint and Primer, Satin Charcoal Grey	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone Propane Naphtha, Petroleum, Hydrotreated Light, Hydrotreated Light Distillate n-Butane Xylenes (o-, m-, p- Isomers) Hydrous Magnesium Silicate Titanium Dioxide n-Butyl Acetate Ethylbenzene n- Heptane Octane Carbon Black Stoddard Solvent Zirconium 2-Ethylhexanoate Methyl Ethyl Ketoxime Zirconium Acetate
Painter's Touch 2x UltraCover Paint and Primer, Satin Stone Grey	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone Propane Naphtha, Petroleum, Hydrotreated Light, Hydrotreated Light Distillate n-Butane Xylenes (o-, m-, p- Isomers) Hydrous Magnesium Silicate Titanium Dioxide n-Butyl Acetate Ethylbenzene n- Heptane Octane, Zirconium 2-Ethylhexanoate Methyl Ethyl Ketoxime Zirconium Acetate
Painter's Touch 2x UltraCover Paint and Primer, Gloss Apple Red	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone Propane Naphtha, n-Butane Xylenes (o-, m-, p- Isomers) Hydrous Magnesium Silicate Titanium Dioxide n-Butyl Acetate, prpylene glycol monobutyl ether, pigment red 170, hydrottreated light distillate, barium sulphate, ethylbenzene, solvent naptha, Zirconium 2-Ethylhexanoate Zirconium Acetate
Painter's Touch 2x UltraCover Paint and Primer, Gloss Dark Gray	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone Propane Naphtha, Petroleum, Hydrotreated Light, Hydrotreated Light Distillate n-Butane Xylenes (o-, m-, p- Isomers) Hydrous Magnesium Silicate Titanium Dioxide n-Butyl Acetate Ethylbenzene n- Heptane Octane Aliphatic Hydrocarbon Zirconium Acetate
Ultra Cover Latex Paint flat black	Rust-oleum	2	32 fl oz / 946 mL	metal paint bucket	Dipropylene Glycol Monobutyl Ether Ethanol Carbon Black Sodium Nitrite Crystalline Silica / Quartz N-Methyl 2-Pyrrolidone Ammonia (anhydrous) 5-Chloro-2-Methyl-4-Isothiazolin-3-one Mixture with 2-Methyl-4-Isothiazolin-3-one
Gloss Protective Enamel	Rust-oleum	3	12 oz / 340 g	aerosol spray can	toluene, acetone, and xylene
LeakSeal Flexible Rubber Coating	Rust-oleum	1	11 oz / 312 g	aerosol spray can	petroleum distillates
Flat Protective Enamel	Rust-oleum	1	12 oz / 340 g	aerosol spray can	acetone, liquified petroleum gas, petroleum distillates, aromatic hydrocarbons
Appliance Epoxy	Rust-oleum	1	12 oz / 340 g	aerosol spray can	Acetone n-Butyl Acetate Propane n-Butane Xylenes (o-, m-, p- Isomers) Aluminum Flake Dimethyl Carbonate Ethylbenzene 1-Methoxy-2-Propyl Acetate Solvent Naphtha, Light Aromatic Stoddard Solvent Isobutyl Methacrylate Solvent Naphtha, Light Aromatic Carbon Black Amorphous Precipitated Silica Zirconium Acetate
Bright Coat Metallic Finish	Rust-oleum	1	11 oz / 312 g	aerosol spray can	toluene and xylene
Specialty Camoflage Non-Reflective Finish	Rust-oleum	1	12 oz / 340 g	aerosol spray can	toluene and xylene
Undercoating	Rust-oleum	2	15 oz / 425 g	aerosol spray can	toluene
Inverted marking Paint	Rust-oleum	3-5	17 oz / 482 g	aerosol spray can	acetone, alkyd resin, propane, n-butyl acetate, naphtha, petroleum, petroleum distillate, n-Butane, xylenes, Ba Sulfate, ethylbenzene, ethylene glycol monobutyl ether
High Heat Ultra Spray Paint	Rust-oleum	1	12 oz / 340 g	aerosol spray can	toluene and xylene
Rusty Metal Primer	Rust-oleum	2	32 fl. Oz / 946 mL	qt sized paint bucket	Hydrotreated Light Distillate Pigment Red 101 Hydrous Magnesium Silicate Zinc Phosphate Wollastonite Crystalline Silica / Quartz Zinc Oxide Calcium Borate Methyl Ethyl Ketoxime Xylenes (o-, m-, p- Isomers) Ethylbenzene Zirconium Acetate
Oil based protective enamel gloss white	Rust-oleum	1	1 qt / 946 mL	qt sized paint bucket	hydrotreated light distillate, titanium dioxide, kaolin clay, xylenes, methyl ethyl ketoxime, naptha, ethylbenzene, cobale 2 ethylhexanoate, zirconium acetate

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Metal Cabinet Along Northern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Custom Color Matched Touch Up Paint, Black YK1N	Sterling Colors LLC	2	12 oz / 340 g	aerosol spray can	acetone (67-64-1), propane (74-98-6), n-butane (106-97-8), xylene (1330-20-7), PM Acetate (108-65-6)
Air Compressor Oil	CH Power	1	16 fl. oz / 473 mL	plastic bottle	petroleum distillates, phosphorodithoic acid
Fabulous Blaster Penetrating Catalyst magnetic lubricant	B'LASTER CORPORATION	2	unknown	aerosol spray can	No information alailable online.
All Purpose Spray Adhesive 7010	Krylon	1	11 oz / 311g	aerosol spray can	mehtyl acetate, propane, butane, heptane, berdesol
Custom Can China Copper	upol	2	7 oz / 201 g	aerosol spray can	acetone
Medium Bronze Spray Paint	Precision Color	1	12 oz / 340 g	aerosol spray can	acetone, tpropane, toluene, n-butane, methyl ethyl ketone, 1-Methoxy-2-Propyl Acetate, Xylene
BIN Shellac Base Primer	Zinsser	2	13 oz / 369 g	aerosol spray can	acetone, ethanol, liquified petroleum gas
Thread Cutting Oil	Do it Best	1	16 fl oz / 473 mL	plastic jug	Petroleum Hydrocarbon Mixture
All Purpose Filler , Golden oak	DAP	1	6 oz / 170 g	Tube	limestone, fly ash, titanium dioxide, quartz, attapulgite, phenolphthalein
Aluminum Cutting Fluid	TAP Magic	1	16 fl oz / 473 mL	metal container	Distillates (petroleum), aliphatic organic ester, cinnamaldehyde
4 Fast SET Clear, water thin solvent cement, acrylics	SCIGRIP	1	16 fl oz / 473 mL	metal pint	acrylic (cast and extruded)
OOPS! Multi-Purpose Remover	Homax Products Inc	1	16 fl oz / 473 mL	metal container	toluene, acetone, methanol
Gum Spirits of Turpentine	E-Z	1	16 fl oz / 473 mL	metal container	No information alailable online.
pure gum spiritis of turpentine	Sunnyside	1	16 fl oz / 473 mL	metal container	terpenes, alpha pinene
Interior-Exterior Spray Paint	Krylon	3	12 oz / 340 g	aerosol spray can	keytones, hydrocarbon propellants, xylene, acetates, ethylbenzene, and toluene
Cutting Oil LU 208	Sprayon	1	12 oz / 340 g	aerosol spray can	heavy naphthenic petroleum oil, heavy paraffinic oil, alkanes C14-1 chloro
Matte Finish aerosol spray	Krylon	1	11 oz / 311g	aerosol spray can	keytones, hydrocarbon propellants, toluene and aliphatic hydrocarbons
Self Etching Primer 39683 Gray	SEM	1	15.5 oz / 440 g	aerosol spray can	acetone, petroleum gas (liquefied and sweetened), toluene, isobutyl acetate, ethyl acetatae, butanone, resin NJTSRN 6784, cellulose nitrate, n-butyl acetate, solvent aphtha, propan-2-ol, quartz, talc, tris(mehtylphenyl phosphate
Self Etching Primer 39673 Black	SEM	1	15.5 oz / 440 g	aerosol spray can	acetone, petroleum gas (liquefied and sweetened), toluene, isobutyl acetate, ethyl acetatae, butanone, resin NJTSRN 6784, cellulose nitrate, n-butyl acetate, solvent aphtha, propan-2-ol, quartz, talc, tris(mehtylphenyl phosphate
General Purpose Adhesive Cleaner 08987	3M	1	15 oz / 425 g	aerosol spray can	xylene, VM&P Naphtha, Propane, Ethylbenzene, Toluene, Benzene
Spray Mount Artist's Adhesive	3M	1	13.5 oz/ 382 g	aerosol spray can	111 trichloroethane, isobutane, 1-4 dioxane
Special Purpose Metallics Spray paint	Krylon	2	11 oz / 311 g	aerosol spray can	keytones, hydrocarbon propellants, aliphatic hydrocarbons, xylene, toluene, aromatic hydrocarbons, aetates
Linetec Touch Up Paint Quaker Bronze	? Motor Service and Supp	1	11 oz / 312 g	aerosol spray can	butane, acetone, glycol ether EB, glycol ether PM
Stainless Steel Finish	Krylon	1	12 oz / 312 g	aerosol spray can	acetone, propane, LT aliphatic hydrocarbon solvent, butane, ethylbenzene, and xylene
Kool Cut Lubricant	American Industries	1	unknown	plastic soda bottle?	Acetone, Butane, Petroleum distillates, hydrotreated light, Propane, components below reportable levels
OMNI-FILL EZ Touch MasterBlend Brown Metallic PWDR 49/66230 B45116 DV16	Specialy Aerosols OMNI-I	2	unknown	aerosol spray can	acetone, propane, MEK, ethyl 3-ethoxypropionate
Touch Up Spray paint	Sterling Colors LLC	1	12 oz / 340 g	aerosol spray can	ACETONE, PROPANE, TOLUENE, METHYL ETHYL KETONE, N-BUTANE, PROPYLENE GLYCOL METHYL ETHER ACETATE, ALUMINUM, ETHYLBENZENE
Color Maxx Paint and Primer Satin Black	Krylon	2	12 oz / 340 g	aerosol spray can	propane, butane, LT. Aliphatic Hydrocarbon, solvent, toluene, ethylbenzene, acetone, isobutyl acetate, crystalline silica, carbon black
Custom Spray Paint Color, Flat Gray CO01	Cromax	1	7.5 oz / 212 g	aerosol spray can	No information available online, or on custom color can.
Mold and Mildew Stain Remover	ZEP Commercial	1	32 fl. oz. / 946 g	plastic spray bottle	sodium hypochlorite

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Metal Cabinet Along Northern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Fuel Denatured Alcohol	Klean Strip	1	1 qt / 946 ml	metal can	Methanol
Acetone	Klean Strip	1	1 gallon / 3.785 L	metal can	acetone
Chalky Finish Waterfall	Krylon	1	12 oz / 340 g	aerosol spray can	acetone, aliphatic and aromatic hydrocarbons, dimethyl carbonate, ethyl 3-ethoxypropionate
Custom Sptay Paint Atlas Yellow CAS6738	Cromax	2	7.5 oz / 212 g	aerosol spray can	No information available online, or on custom color can.
Multimax enamel 61083 Red Oxide Primer	SEM	2	12 oz / 340 g	aerosol spray can	petroleum gases, acetone, toluene, talc, isobutyl acetate, butanone, iron oxide, ligroine, ethylbenzene
Indoor/Outdoor Helmsman Clear Gloss	MINWAX	1	11.5 oz / 326 g	aerosol spray can	aliphatic hydrocarbons and ketones
Linetec Touch Up Paint Sage Brown	Industrial Finishes	1	11 oz / 311g	aerosol spray can	difluoroethylene polymer, propylene glycol monomethyl ether acetate, toluene, titanium dioxide, MEK, iron oxide, ethyl alcohol, stoddard solvent, mica, dimethyl phtalate, CI pigment green, ehtylene glycol monobutyl ehter acetate, black pigment, 2 butoxyethanol, solvent naptha, aluminum, propane, butane, acetone, propylene glycol monomethyl ether
Regal Select Flat Finish 4X	Benjamin Moore	1	15.7 fl oz / 465 mL	metal paint bucket	nepheline syenite, limestone, diatomaceous earth, propanoic aid, 2 methyl monoester with 2,2,4 trimethyl 1,3-pentanediol, sodium C14-C16 olefin sulfonate
Color Samples 1X	Benjamin Moore	2	15.7 fl oz / 465 mL	metal paint bucket	titanium dioxide, kaolin, nepheline syenite, propylene glycol, silica amorphous
Color Samples 2X	Benjamin Moore	1	15.7 fl oz / 465 mL	metal paint bucket	limestone, titanium dioxide, propylene glycol
Moorglo Soft Gloss, Regal Select Exterior paint	Benjamin Moore	1	1 qt / 946 mL	metal paint bucket	zinc oxide, sodium C14-C16 olefin sulfonate
Prep-All	Klean Strip	1	1 gallon / 3.785 L	metal container	Petroleum Distillates
Molykote G-n plus paste, contains calcium hydroxide	Dupont	1	unknown	metal paint can	calcium hydroxide, graphite, molybdenum disulfide, parrafin / hydrocarbon, waxes
Penetrating Oil	Liquid Wrench	1	16 oz / 473 mL	plastic bottle	hydrotreated light naphthenic distillates petroleum, tripropylene glycol monomethyl ether, carbon dioxide, trimethylolpropane trioleate, polytetrafluoroethylene (PTFE), Boron Nitride
Belt Dressing	CarQuest	1	7.5 oz / 212 g	aerosol spray can	stoddard solvent, carbon dioxide, trimethylbenzene, ethylbenzene, benzene 1 methylethyl
Multi Purpose Cleaner	SPRAY NINE	1	24 fl oz / 710 mL	plastic bottle	"this product contains no substances which at their given concentration are considered to be hazardous to health" - Per SDS.
WD-40	WD-40	3-5	11 oz	pressure spray bottle	LVP aliphatic hydrocarbon, petroleum base oil, aliphatic hydrocarbon, carbon dioxide
Loctite SF 7649 Primer	Henkel	1	4.5 z / 128 g	metal bottle	acetone, 2-ethylhexanoic acid, may contain butane and other ethylexanoic acids)
Lacquer Thinner	Klean Strip	1	1 gallon / 3.785 L	metal container	Acetone ethanol 2-butoxy
Belt Dressing and Conditioner Item 80074 120GA	Permatex	1	5 oz / 141 g	aerosol spray can	n hexane, naphtha, butane, propane, sodium nitrite, cyclohexane
ColorMaster indoor outdoor purple spray paint	Krylon	1	12 oz	aerosol spray can	acetone, propane, butane, toluene, isobutyl acetate, ethyl 3-ethoxypropionate, trimethylpentanediol diisobutyyrate, carbon black, MEK, Light Aliphatic Hydrocarbon
XmatchAerosol, black flat	Cardinal	1	unknown	aerosol spray can	Butyl acetate, methyl acetate, dipropylene glycol, methyl ether acetate, methyl ethyl ketone, acetone
White Lithium grease	Blaster	1	11 oz / 311 g	aerosol spray can	petroleum distillates, propane, n-butane, zinc oxide
Quick Coat Penetrating Finish for Wood Floors 123 Coffee Brown	duraseal / minwax	1	32 fl oz / 946 mL	metal can	light and med aliphatic hydrocarbon, diacetone alcohol, zirconium 2-ethylhexanoate, hydrotreated heavy petroleum naptha, light aromnatic hydrocarbons, fatty acids, mineral spirits, trimethylbenzene, toluene, cobalt neodecanoate, carbon black, 2-2-methoxyethoxy-ethanol, 1 3 5 trimethylbenzene, 1 2 4 trimethylbenzene, calcium 2-ethylhexanoate
kerosene	Sunnyside	1	32 fl oz / 946 mL	metal can	Petroleum Distillates
Butane Fuel Model LBF-640	WLenk	1	6.4 oz / 181 g	aerosol spray can	Isobutane
Finishing Spray	Glass Renu	1	16 fl oz / 473 mL	spray bottle	"hazardous ingredients: none known" - Per SDS.
Factory colored (WB) 70-103 Peidmont Gray (Grayhound)	Glass Paint Technology ((	1	1 qt / 946 ml	metal paint can	Contacted Manufacturer's Representative. Information Pending.
Complete Engine Treatment- cleaner, lubricant and fuel stabilizer	Lucas Oil Products inc	1	1 pt / 16 fl oz / 473 mL	metal canister	Distillates (petroleum) hydrotreated light, hydrocarbyl amine
Denatured Alcohol	sunnyside	1	1 gallon / 3.785 liters	metal canister	methanol and denatured alcohol

C.T. Male Associates

Product Inventory
61 Water Street, Ossining, New York
Metal Cabinet Along Northern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Heavy Duty Oil Stabilizer	Lucas Oil Products inc	1	32 fl oz / 946 mL	plastic bottle	lubricating oils, petroleum, c>25, hydrotreated bright stock based
Wood toned deck and siding stain 9202 cedar	cabot	1	1 gallon	metal paint bucket	2-propoxyethanol, 3-Iodo-2-propynyl butyl carbamate, methyl ethyl ketoxime, hydrotreated heavy petroleum naphtha, cobalt neodecanoate
Fine marmorino 8 kGs- color: untinted	firenzecolor venetial plas	1	8 kg	plastic tub	No information alailable online.
Era Veneziana	novacolor	1	unknown	plastic tub	calcium hydroxide

Key

	Ingredients listed on can. No PCE/TCE listed.
	Ingredients listed on Safety Data Sheet. No PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
	Ingredients listed on can. PCE/TCE listed.
	Ingredients listed on Safety Data Sheet. PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
	Information Unavailable.

*C.T. Male Associates relied on information derived from secondary sources including safety data sheets and manufacturer provided information. C.T. Male Associates has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources and has assumed that such information is accurate and complete.

C.T. Male Associates

Product Inventory
61 Water Street
Shelving Along Northern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Gasoline Container	NA	2	1-5 gallon	Red Plastic Gasoline Container	Gasoline
VYCOR PRO flashing polypropylene backing film	GCP	1	75 ft roll	No container	"Hazardous components, not applicable" - Per SDS.
Silicone Building Sealant Cat No 95C	CRL	30	10.3 Fl Oz / 305 mL	plastic caulking tube	Methyltri(ethylmethylketoxime) silane, Aminoalkoxysilane, Octamethylcyclotetrasiloxane, crystalline silica (Quartz), Methanol
PL 400 Subfloor Allweather Construction Adhesive	LOCTITE	8+	10 oz	plastic caulking tube	Limestone, Kaolin, Acetone, Resin acids and rosin acids, esters with pentaerythitol, methyl acetate,
Sikaflex -124 Mirror Grip	SIKA USA	35+	300 mL	pastic caulking tube	4,4' methylenediphenyl diisocyanate, ethylbenzene, quartz
Butyl Architectural Glazing Tape	CRL	20+	1/8" x 1/2"	Cardboard Box	"Section EQ (Indoor Environmental Air Quality) CRL Tape VOC values fall below the applicable VOC limit listed within this credit. This limit is 250 g/L (grams/liter) and is set by the South Coast Air Quality Management District (SCAQMD) Rule #1168 requirements and the Bay Area Air Quality Management District Regulation 9 (BAAQMD) Rule 51 requirements." - Per SDS.
Rockite for Anchoring and Patching (expansion Cement)	CRL	1	50 lbs	Plastic Bucket	portland cement, calcium sulfate hemihydrate, crystalline silica, crystalline silica
DRYLOC FAST PLUG HYDRAULIC CEMENT	UGL	1	50 lbs	Plastic Bucket	Quartz (SiO2) Lumnite SG Cement, Titanium Dioxide, Calcium dihydroxide, Cristobalite
KWIXSET Anchoring and Cement	Hartline Products	1	50 lbs	Plastic Bucket	portland cement, calcium sulfate hemihydrate
Stainblocker	KILZ	1	128 fl oz / 3.79 L	Paint Bucket	Limestone, Titanium Dioxide, Quartz, 5-chloro-2-methyl-2H-isothiazol-3-one

Key

	Ingredients listed on can. No PCE/TCE listed.
	Ingredients listed on Safety Data Sheet. No PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
	Ingredients listed on can. PCE/TCE listed.
	Ingredients listed on Safety Data Sheet. PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
	Information Unavailable.

*C.T. Male Associates relied on information derived from secondary sources including safety data sheets and manufacturer provided information. C.T. Male Associates has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources and has assumed that such information is accurate and complete.

C.T. Male Associates

Product Inventory
61 Water Street
Shelving Along Southern Building Wall
May 16, 2024

Product Name	Brand / Company	Quantity	Size	Container	Ingredients
Synthetic DOT 3 and 4 Brake Fluid	Valvoline	1	32 fl oz / 946 mL	plastic bottle	Diethylene glycol monobutyl ether 112-34-5 , Diethylene glycol, Diethylene glycol monoethyl ether 111-90-0
100% Silicone Sealant Item #4045036	DOWSIL	10-15	10.3 fl oz / 305 mL	caulk bottle	silicone dioxide
Silicone Sealant (various colors)	CR Laurence Co (CRL)	10-15	10.3 fl oz / 305 mL	caulk bottle	aluminum
Diamondize XP Protective Sealer	Diamond Blue	1	unknown	plastic bottle	Silane, IBTS, Methanol
Bio-Clean Water Stain Remover	CR Laurence Co (CRL)	3	16 fl. Oz / 473 mL	plastic bottle	Silica(1480-60-7) 35-40 % WT, C9-11 Alcohol Ethoxyl
Glass cleaner SW-050	Sprayway	10+	19 oz / 539 g	metal spray can	alcohol, butoxyethanol, propane, t butyl alcohol, butane
Diamond Blue Wash Repellent Action	Diamond Blue	10-15	unknown	spray bottle	"Hazardous ingredients: None known" - Per SDS.
Regal Select Eggshell Interior Base 1 NS49 IX	Benjamin Moore	1	unknown	metal can	titanium dioxide, nephelibne syenite, limestone, silica amorphous, kaolin calcined, kaolin, trimethylpropane, sodium C14-C16 olefin sulfonate
Wonder Putty Glazing Compound		1	unknown		Crystalline silica, calcium carbonate, talc, titanium dioxide, proprietary hazardous ingredients (trade secrets)
Regal Select Flat Finish Decorators White 547 04	Benjamin Moore	1	unknown	metal can	titanium dioxide, kaolin, nepheline syenite
Cover Stain Primer Stain Blocker	Zinsser	1	unknown	metal can	hydrocarbons, C9-C11, n-/ iso-/ cyclo-alkanes, < 2% aromatics, hydrocarbons, aromatic, C9, hydrocarbons, C9-C12, n-/ iso-/ cyclo-alkanes, aromatics (2-25%), 2-butanone oxime, 2-octyl-2Hisothiazol-3-one,
Bulls Eye 1-2-3 Primer for all surfaces	Zinsser	1	unknown	metal can	Titanium Dioxide, Hydrous Magnesium Silicate, Ethylene Glycol, Zinc Oxide, Distillates (Petroleum) Solvent-Dewaxed Heavy Paraffinic, Oxirane, 2-Methyl-, Polymer with Oxirane, Monobutyl Ether, Carbamic Acid, 1H-Benzimidazol-2-yl-, Methyl Ester
Fast Plug Hydraulic cement	DRY LOK	4	unknown	plastic tubs	Quartz (SiO2), Lumnite SG Cement, Titanium dioxide, Calcium dihydroxide, Cristobalite
Butyl Architectural Glazing Tape	CR Laurence Co (CRL)	20+	1/8" x 1/2"	cardboard box	"CRL Tape VOC values fall below the applicable VOC limit listed within this credit. This limit is 250 g/L (grams/liter) and is set by the South Coast Air Quality Management District (SCAQMD) Rule #1168 requirements and the Bay Area Air Quality" Management District Regulation 9 (BAAQMD) Rule 51 requirements." - Per SDS.

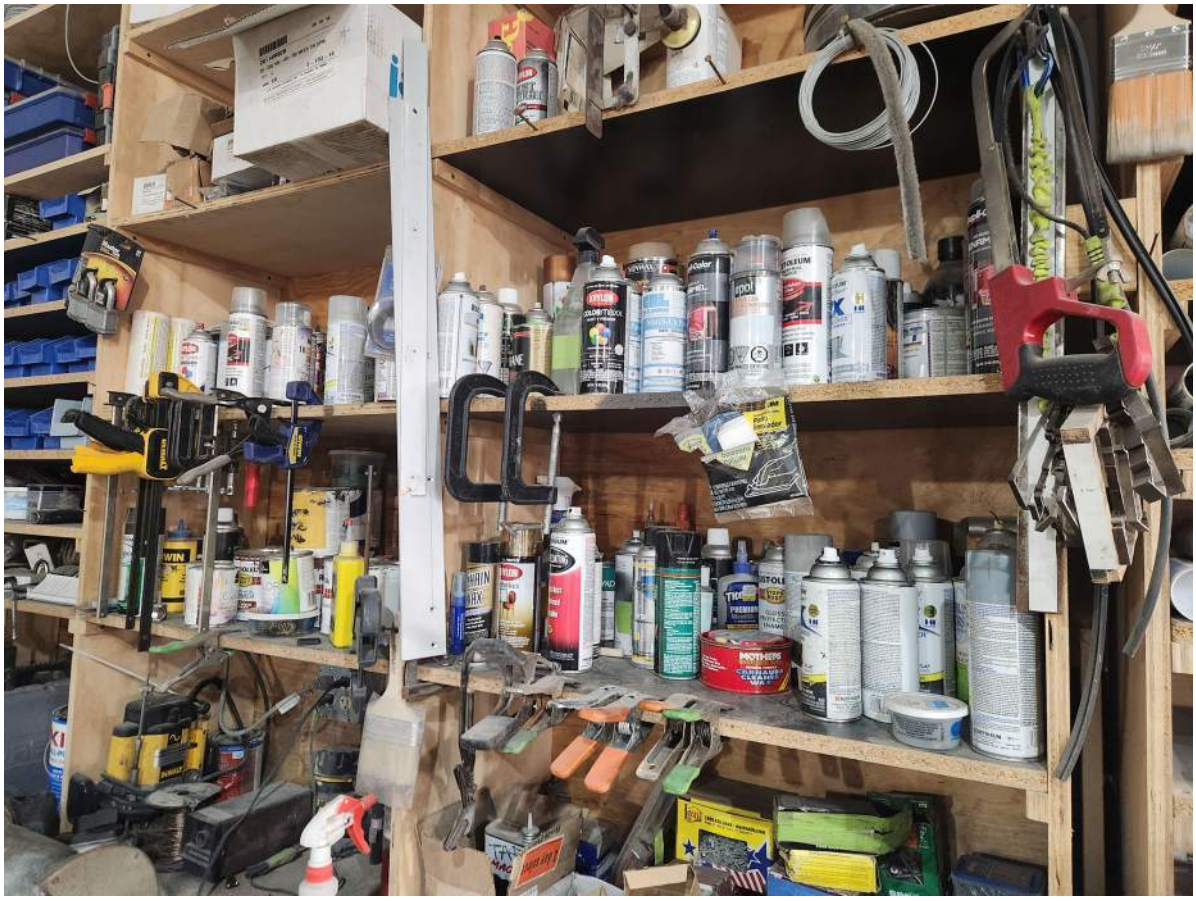
Key

	Ingredients listed on can. No PCE/TCE listed.
	Ingredients listed on Safety Data Sheet. No PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
	Ingredients listed on can. PCE/TCE listed.
	Ingredients listed on Safety Data Sheet. PCE/TCE listed. Safety Data Sheet obtained from readily available online sources.
	Information Unavailable.

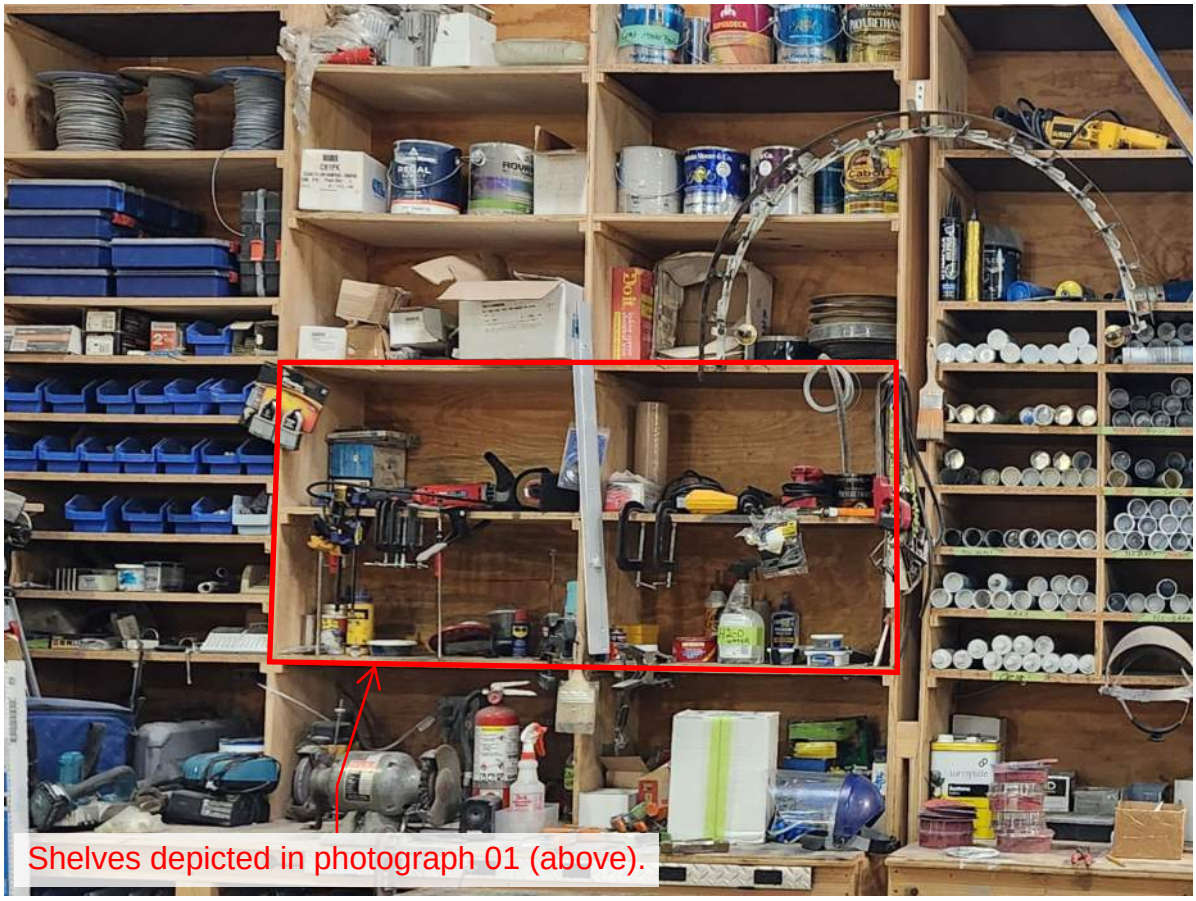
*C.T. Male Associates relied on information derived from secondary sources including safety data sheets and manufacturer provided information. C.T. Male Associates has made no independent investigation as to the accuracy and completeness of the information derived from secondary sources and has assumed that such information is accurate and complete.

ATTACHMENT F

PHOTOGRAPHS



01. Northeastern Shelving Area - Site Observation date 02.29.2024



02. Northeastern Shelving Area - Site Observation date 05.16.2024

ATTACHMENT G

ENGINEERING CONTROL INSPECTION FORM – BLANK

ENGINEERED CONTROL INSPECTION FORM
Former Hudson Wire Mill

Inspector:_____ Inspection Date:_____

ENGINEERED CONTROL OBSERVATIONS

1) Sub-slab pressure differential measured at sample tap located in:
   - Zone A _____ inches of water column
   - Zone B _____ inches of water column
   - Zone C _____ inches of water column
   - Zone D _____ inches of water column
   - Zone E _____ inches of water column

2) Are cracks or other damage to the Concrete Floor Slab present in:
   - Zone A _____Yes ____ No
   - Zone B _____Yes ____ No
   - Zone C _____Yes ____ No
   - Zone D _____Yes ____ No
   - Zone E _____Yes ____ No
   - 61 Water Street _____Yes ____ No

If yes, describe (Attach photos and/or site sketch if appropriate): _____

3) Damage to the Aboveground SSDS Piping in:
   - Zone A _____Yes ____ No
   - Zone B _____Yes ____ No
   - Zone C _____Yes ____ No
   - Zone D _____Yes ____ No
   - Zone E _____Yes ____ No
   - 61 Water Street _____Yes ____ No

If yes, describe (Attach photos and/or site sketch if appropriate): _____

4) Damage to the SSDS Vent Stack in:

Zone A _____Yes ____ No
Zone B _____Yes ____ No
Zone C _____Yes ____ No
Zone D _____Yes ____ No
Zone E _____Yes ____ No
61 Water Street _____Yes ____ No

If yes, describe (Attach photos and/or sketch if appropriate): _____

5) Damage to the SSDS Fan in:

Zone A _____Yes ____ No
Zone B _____Yes ____ No
Zone C _____Yes ____ No
Zone D _____Yes ____ No
Zone E _____Yes ____ No
61 Water Street _____Yes ____ No

If yes, describe (Attach photos and/or sketch if appropriate): _____

INSPECTION LIMITATIONS

Describe any conditions that limited the completeness of the inspection (e.g., part of the slab in Bldg. 11 was covered by tenant's stored materials): _____

ATTACHMENT H

PRODUCT INFORMATION AND SOP - FLX-VPTM VAPOR PIN®

Standard Operating Procedure

Installation and Extraction of the
FLX-VP™ Vapor Pin® Sampling Device

Scope & Purpose

Scope

This standard operating procedure describes the installation, use, and extraction of the FLX-VP™ Vapor Pin® Sampling Device for sub-slab soil-gas sampling.

Purpose

The purpose of this procedure is to assure good quality control in field operations and uniformity between field personnel in the use of the FLX-VP™ for the collection of sub-slab soil-gas samples or pressure readings.

Equipment Needed

- Assembled FLX-VP™ (FIGURE 1)
  - FLX-VP™ barb fitting with O-ring
  - FLX-VP™ base
  - Silicon Sleeve
- Vapor Pin® Cap
- Installation/Extraction Tool
- Rotary Hammer Drill
  - ⅝-Inch (16mm) diameter hammer bit
  - 1½-Inch (38mm) diameter hammer bit for flush mount applications
- ¾-Inch (19mm) diameter bottle brush
- Wet/Dry Vacuum with HEPA filter (optional)
- Dead Blow Hammer
- VOC-free hole patching material (hydraulic cement) and a putty knife or trowel
  - This is for repairing the hole following the extraction of the FLX-VP™

Figure 1. Assembled FLX-VP™

Installation Procedure

1. Check for buried obstacles (pipes, electrical lines, etc.) prior to proceeding.
2. Set up wet/dry vacuum to collect drill cuttings.
3. Drill a ⅝-inch (16mm) diameter hole through the slab and approximately 1-inch (25mm) into the underlying soil to form a void. The hole must be ⅝-inch (16mm) in diameter to ensure a seal.
   - If a flush mount installation is required, drill a 1½-inch (38mm) diameter hole at least 1¾-inches (45mm) into the slab. It is recommended that you use the drill guide.
4. Remove the drill bit, brush the hole with the bottle brush and remove the loose cuttings with the vacuum.
5. Assemble your FLX-VP™Vapor Pin® Sampling Device and Vapor Pin® Sleeve (Figure 1).
6. Place the lower end of the FLX-VP™ assembly into the drilled hole. Place the small hole located in the handle of the Installation/Extraction Tool, over the FLX-VP to protect the barb fitting and tap the FLX-VP™ into place using a dead blow hammer (Figure 2). Make sure the Installation/Extraction Tool is aligned parallel to the FLX-VP™ to avoid damaging the barb.
   - During installation, the Vapor Pin® Sleeve will form a slight bulge between the slab and the FLX-VP™ shoulder. If the silicone sleeve slides excessively upward, creating a large bulge at the top of the FLX-VP™ Sampling Device, reinstall the FLX-VP™ Vapor Pin® Sampling Device using a new silicone sleeve. The top of the silicone sleeve should only cover the lower one or two barbs of the FLX-VP™ Vapor Pin® Sampling Device.

7. Place the protective cap on the FLX-VP™ to prevent vapor loss prior to sampling (Figure 3).
8. For flush mount installations, cover the FLX-VP™ with a flush mount cover, using either the plastic cover or the optional Stainless Steel Secure Cover (Figure 4).
9. Allow 20 minutes or more (consult applicable guidance for your situation) for the sub-slab soil-gas conditions to re-equilibrate prior to sampling.

Sampling

1. Remove the Vapor Pin® Cap and connect your sample tubing to the barb fitting of the Vapor Pin® Sampling Device.
2. Create a connection by using a short piece of Tygon™ tubing to join the FLX-VP™ Vapor Pin® Sampling Device with the Nylaflow tubing (Figure 5). Put the Nylaflow tubing as close to the FLX-VP™ Vapor Pin® Sampling Device as possible to minimize contact between soil gas and Tygon™ tubing. You do not **have** to use Nyflaflow tubing, any stiff tubing will suffice.
   - If you wish to directly connect to FLX-VP™ Vapor Pin® Sampling Device accessory (e.g. Swagelok fitting, T0-17 tube, or quick connect) unscrew the barb fitting and replace with accessory (Figures 6 and 7)
3. Prior to sampling, conduct a leak test in accordance with applicable guidance. If a leak test is not specified, refer to the SOP Leak Testing the Vapor Pin® Sampling Device, via Mechanical Means (Figure 8). For flush-mount installations, distilled water can be poured directly into the 1½ inch (38mm) hole.

Figure 5.

Figure 6.

Figure 7.

Figure 8.

Figure 9.

Extraction Procedure & Reuse Notes

1. Remove the protective cap, and thread the Installation/Extraction Tool onto the FLX-VP™ Vapor Pin® Sampling Device (Figure 9). Turn the tool clockwise continuously, don't stop turning, the FLX-VP™ Vapor Pin® Sampling Device will feed into the bottom of the Installation/Extraction Tool and will extract from the hole like a wine cork, **DO NOT PULL!**
2. Fill the void with hydraulic cement and smooth with a trowel or putty knife.
3. Prior to reuse, remove the silicon Vapor Pin® Sleeve and Vapor Pin® Cap and discard. Decontaminate the Vapor Pin® Sampling Device in a Alconox® solution, then heat in an oven to a temperature of 265° F (130° C). For Stainless – ½ hour, Brass 8 minutes.