



January 4, 2021

Daniel R. Lanners, PE  
Project Manager  
Remedial Bureau C, Section D  
Division of Environmental Remediation  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 1223-7014

Re: Avery Dennison – Orangeburg Site (344072): SSDS Confirmation Sampling Summary

Dan:

On behalf of Avery Dennison Corporation (ADC), VHB conducted the confirmation sampling of the sub-slab depressurization system (SSDS) at the former Avery Dennison facility at 524 Route 303 in Orangeburg, New York (the Site; see **Figure 1**). The following information is provided for New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) review, per your December 4, 2020 email request.

Consistent with prior sample results, carbon tetrachloride was the only detected compound that is found on the NYSDOH Decision Matrices. Carbon tetrachloride has historically been detected in outdoor air samples in Orangeburg; the concentration in the outdoor air sample (OA-01) is consistent with detections in the indoor air samples.

The attached NYSDOH Indoor Air Quality Questionnaire and Building Inventory was completed to the extent possible. The interior floor plan has changed - see **Figure 2** showing the current building layout and active HVAC equipment. Based on the Site inspection and the SSDS vacuum measurements (see below), the HVAC system operation are not affecting the SSDS operation. **Figure 3** shows the current building use.

A complete product inventory was completed. The current tenants use the manufacturing area for screen printing and screen printing ink manufacturing. As such, approximately 200 different chemicals have been identified. VHB is still in the process of compiling the list of those chemical products, their quantities, and their chemical ingredients. Several hand sanitizing stations were noted; they were in-place during the previous 2016 and 2018 indoor air and sub-slab sample events.

On Tuesday, December 8, 2020, an annual inspection of the sub-slab depressurization system (SSDS) was conducted by the SSDS installer, OBAR Systems, Inc. During the inspection, one vacuum test port (TP-6) was observed to have been damaged during building renovations. That test port was replaced by installing a new test port at a similar distance to the nearest suction point and in a location that will not be disruptive

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to the current tenant – see **Figure 4** for former and current test port location. The attached SSDS inspection forms show the vacuum measurements collected on April 2, 2019, December 16, 2019, and December 9, 2020.

The confirmation soil gas sampling was completed on Wednesday, December 9, 2020 – a preliminary, unvalidated laboratory report is attached for NYSDEC/NYSDOH review<sup>1</sup>. The following compounds were detected in indoor air: carbon tetrachloride, trans-1,2-dichloroethene (trans-1,2-DCE), and 1,2-dichloroethane (1,2-DCA). Of the three compounds, only carbon tetrachloride is found on the NYSDOH Decision Matrices; carbon tetrachloride has historically been detected in outdoor air samples in Orangeburg; the concentration in the outdoor air sample (OA-01) is consistent with detections in the indoor air samples, indicating that the source of carbon tetrachloride is from ambient air surrounding the facility. Trans-1,2-DCE and 1,2-DCA are not found on the NYSDOH Decision Matrices, and the detections of trans-1,2-DCE and 1,2-DCA are attributed to the current site use and not sub-slab soil gas<sup>2</sup>.

Please don't hesitate to contact Paul Gallagher or me with any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "George Lester", with a stylized flourish at the end.

George Lester, PE  
Senior Project Engineer – Site Investigation & Remediation

**Enclosures:**

NYSDOH Indoor Air Quality Questionnaire and Building Inventory  
SSDS Inspection Forms  
Preliminary, Unvalidated Laboratory Report  
Figure 1 – Site Location  
Figure 2 – Current Building Layout & Ventilation  
Figure 3 – Current Building Use  
Figure 4 – SSDS Layout and Sample Locations

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<sup>1</sup> The parent of the side-by-side field duplicate sample is IA-01.

<sup>2</sup> Trans-1,2-DCE was detected in one sub-slab sampled collected January 31, 2018 and never detected in indoor air, previously; 1,2-DCA has not been detected in sub-slab or indoor air samples at the facility, previous.

**NEW YORK STATE DEPARTMENT OF HEALTH  
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY  
CENTER FOR ENVIRONMENTAL HEALTH**

This form must be completed for each residence involved in indoor air testing.

Preparer's Name George Lester Date/Time Prepared 12/8/20

Preparer's Affiliation VHB Phone No. (802) 778-1271

Purpose of Investigation SSDS Confirmation Sampling Event

**1. OCCUPANT:**

Interviewed: ☒ Y ☐ N

Last Name: unknown First Name: Bob/Hick (sp?)

Address: 524 Route 303; Orangeburg, NY 10962

County: Rockland

Home Phone: \_\_\_\_\_ Office Phone: (845) 358-6196

Number of Occupants/persons at this location ~40 Age of Occupants \_\_\_\_\_

**2. OWNER OR LANDLORD:** (Check if same as occupant ☐ )

Interviewed: ☒ Y ☐ N

Last Name: Tambor First Name: Itzy

Address: 527 Route 303, Orangeburg, NY 10962

County: Rockland

Home Phone: \_\_\_\_\_ Office Phone: (212) 742-6684 ext. 207

**3. BUILDING CHARACTERISTICS**

**Type of Building:** (Circle appropriate response)

Residential  
☒ Industrial

School  
Church

Commercial/Multi-use  
Other: \_\_\_\_\_

**If the property is residential, type?** (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: _____

**If multiple units, how many?** \_\_\_\_\_

**If the property is commercial, type?**

Business Type(s) Screen Printing, Ink Manufacture, Embroidery, Warehouse for Elevator Parts

Does it include residences (i.e., multi-use)? Y ☒ N ☐ If yes, how many? \_\_\_\_\_

**Other characteristics:**

Number of floors 1

Building age Unknown

Is the building insulated? ☒ Y ☐ N

How air tight? Tight / Average ☒ Not Tight

Minimal, in roof

#### 4. AIRFLOW

**Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:**

Airflow between floors

Not applicable.

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Airflow near source

Potential air outputs from the manufacturing area include: 1) roof mounted fans above the screen printing area; 2) two roof mounted louver vents (one ~2' diameter, one ~4' diameter); 3) an exhaust from the screen printing dryer (~2000 CFM); and, 4) leaking doors and windows around manufacturing area. The screen printing dryer exhaust and roof mounted fans were operating at the time of air sampling on December 9, 2020. See attached Figure.

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Outdoor air infiltration

Potential air inputs into the Facility include the roof vents (generally in the manufacturing areas) and exterior windows and doors. VHB observed air flow in and out while operating exterior doors. The pressure differential was not measurable with a barometer at the time of VHB's visit.

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Infiltration into air ducts

Unknown. Neither the building owner of the building tenant could describe the operation of the building HVAC system.

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**5. BASEMENT AND CONSTRUCTION CHARACTERISTICS** (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full Block crawlspace slab other Not applicable
- c. Basement floor: concrete dirt stone other Not applicable
- d. Basement floor: uncovered covered covered with Not applicable
- e. Concrete floor: unsealed sealed sealed with \_\_\_\_\_
- f. Foundation walls: poured block stone other \_\_\_\_\_
- g. Foundation walls: unsealed sealed sealed with Paint
- h. The basement is: wet damp dry moldy Not applicable
- i. The basement is: finished unfinished partially finished Not applicable`
- j. Sump present? Y (N)
- k. Water in sump? Y / N (not applicable)

 Basement/Lowest level depth below grade: N/A (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

A few cracks were observed in the floor of the manufacturing area, including some expansion joints. A few floor drains were also observed (in bathroom and manufacturing area).

**6. HEATING, VENTING and AIR CONDITIONING** (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation Office Heat pump Hot water baseboard Office (baseboard),  
 Space Heaters Steam radiation Radiant floor plus Plant (overhead).  
 Electric baseboard Wood stove Outdoor wood boiler Other \_\_\_\_\_

The primary type of fuel used is:

Natural Gas Fuel Oil Kerosene  
 Electric Propane Solar  
 Wood Coal

 Domestic hot water tank fueled by: Natural Gas

 Boiler/furnace located in: Basement Outdoors Main Floor Other \_\_\_\_\_

 Air conditioning: Central Air Window units Open Windows None

2x in Office

Are there air distribution ducts present? ☒ Y ☐ N

**Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.**

This information is from the 2018 building questionnaire and inventory:

"Make up" air unit located in in the loading dock area (southwest corner of manufacturing area), mounted on the ceiling; this unit was operating at the time of air sample collection on 12/9/20. Duct work appears to be in good shape. Air circulating units are located in the office portion of the building with fan units mounted on the roof and duct work mounted above the ceiling tiles. The duct work mounted above the ceiling tiles was not inspected during site visit.

## 7. OCCUPANCY

Is basement/lowest level occupied? ☒ Full-time ☐ Occasionally ☐ Seldom ☐ Almost Never

**Level** **General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**

Basement	Not applicable
1 <sup>st</sup> Floor	Office (7am to 6pm); Manufacturing Area (8am to 4pm)
2 <sup>nd</sup> Floor	Not applicable
3 <sup>rd</sup> Floor	Not applicable
4 <sup>th</sup> Floor	Not applicable

## 8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- Is there an attached garage? Y ☒ N ☐
- Does the garage have a separate heating unit? Y / N ☒ NA ☐
- Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N ☒ NA ☐  
Please specify \_\_\_\_\_
- Has the building ever had a fire? ☒ Y ☐ N When? Minor, >12 years ago
- Is a kerosene or unvented gas space heater present? Y ☒ N ☐ Where? \_\_\_\_\_
- Is there a workshop or hobby/craft area? Y ☒ N ☐ Where & Type? \_\_\_\_\_
- Is there smoking in the building? Y ☒ N ☐ How frequently? \_\_\_\_\_
- Have cleaning products been used recently? ☒ Y ☐ N When & Type? Weekly, Office Cleaning
- Have cosmetic products been used recently? Y ☒ N ☐ When & Type? \_\_\_\_\_

- j. Has painting/staining been done in the last 6 months? Y ☒ N Where & When? \_\_\_\_\_  
New Carpet,
- k. Is there new carpet, drapes or other textiles? ☒ Y / N Where & When? ~1 year ago
- l. Have air fresheners been used recently? ☒ Y / N When & Type? Bathrooms
- m. Is there a kitchen exhaust fan? Y ☒ N If yes, where vented? \_\_\_\_\_
- n. Is there a bathroom exhaust fan? ☒ Y / N If yes, where vented? Automatic, roof-  
vented
- o. Is there a clothes dryer? Y ☒ N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y ☒ N When & Type? \_\_\_\_\_

**Are there odors in the building?**

☒ Y / N

If yes, please describe: Odors associated with ink manufacturing and screen printing;  
none observed in office area.

**Do any of the building occupants use solvents at work?**

☒ Y / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist) General cleaning, cleaning screen printing equipment

If yes, what types of solvents are used? Acetone, mineral spirits, (see chemical inventory)

If yes, are their clothes washed at work?

Y ☒ N

**Do any of the building occupants regularly use or work at a dry-cleaning service?** (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

No

☒ Unknown

**Is there a radon mitigation system for the building/structure?** ☒ Y / N Date of Installation: March 2019

**Is the system active or passive?** ☒ Active / ☐ Passive N/A Sub-slab depressurization system

**9. WATER AND SEWAGE**

**Water Supply:** ☒ Public Water ☐ Drilled Well ☐ Driven Well ☐ Dug Well ☐ Other: \_\_\_\_\_

**Sewage Disposal:** ☒ Public Sewer ☐ Septic Tank ☐ Leach Field ☐ Dry Well ☐ Other: \_\_\_\_\_

**10. RELOCATION INFORMATION (for oil spill residential emergency) Not applicable**

a. Provide reasons why relocation is recommended: \_\_\_\_\_

b. Residents choose to: remain in home ☐ relocate to friends/family ☐ relocate to hotel/motel ☐

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

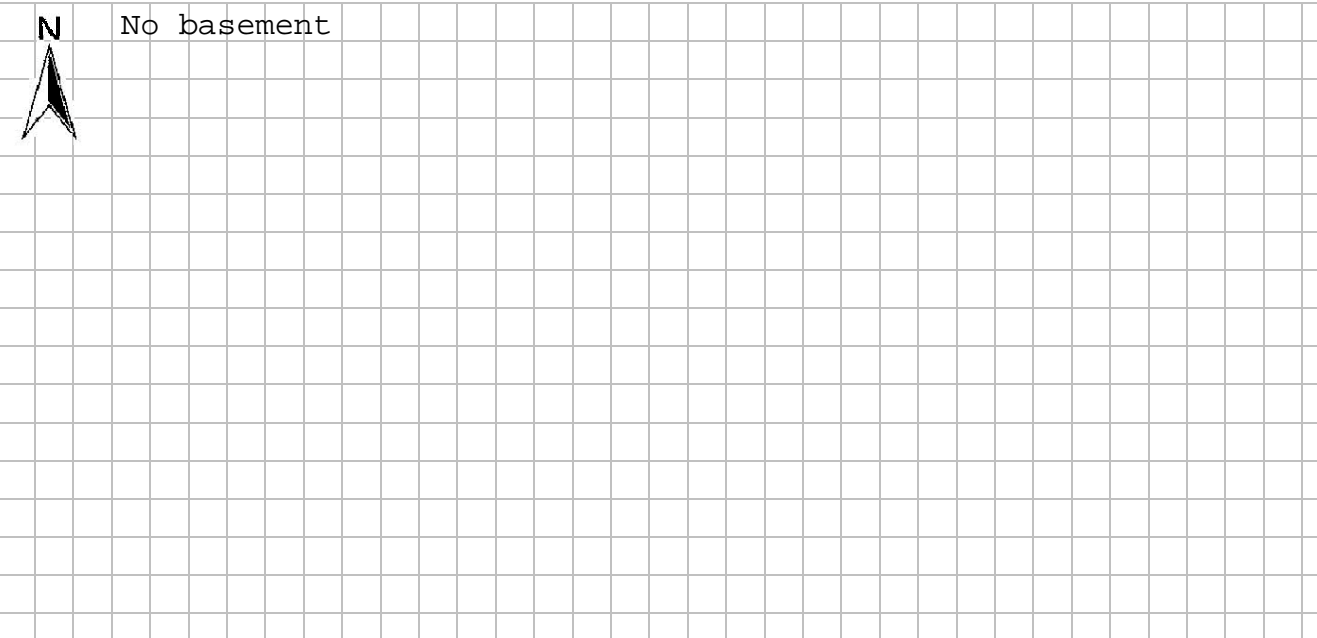
## 11. FLOOR PLANS

**Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.**

**Basement:**

N

No basement

A large grid of graph paper, consisting of 20 columns and 20 rows of squares, intended for drawing a map.

### First Floor:

N

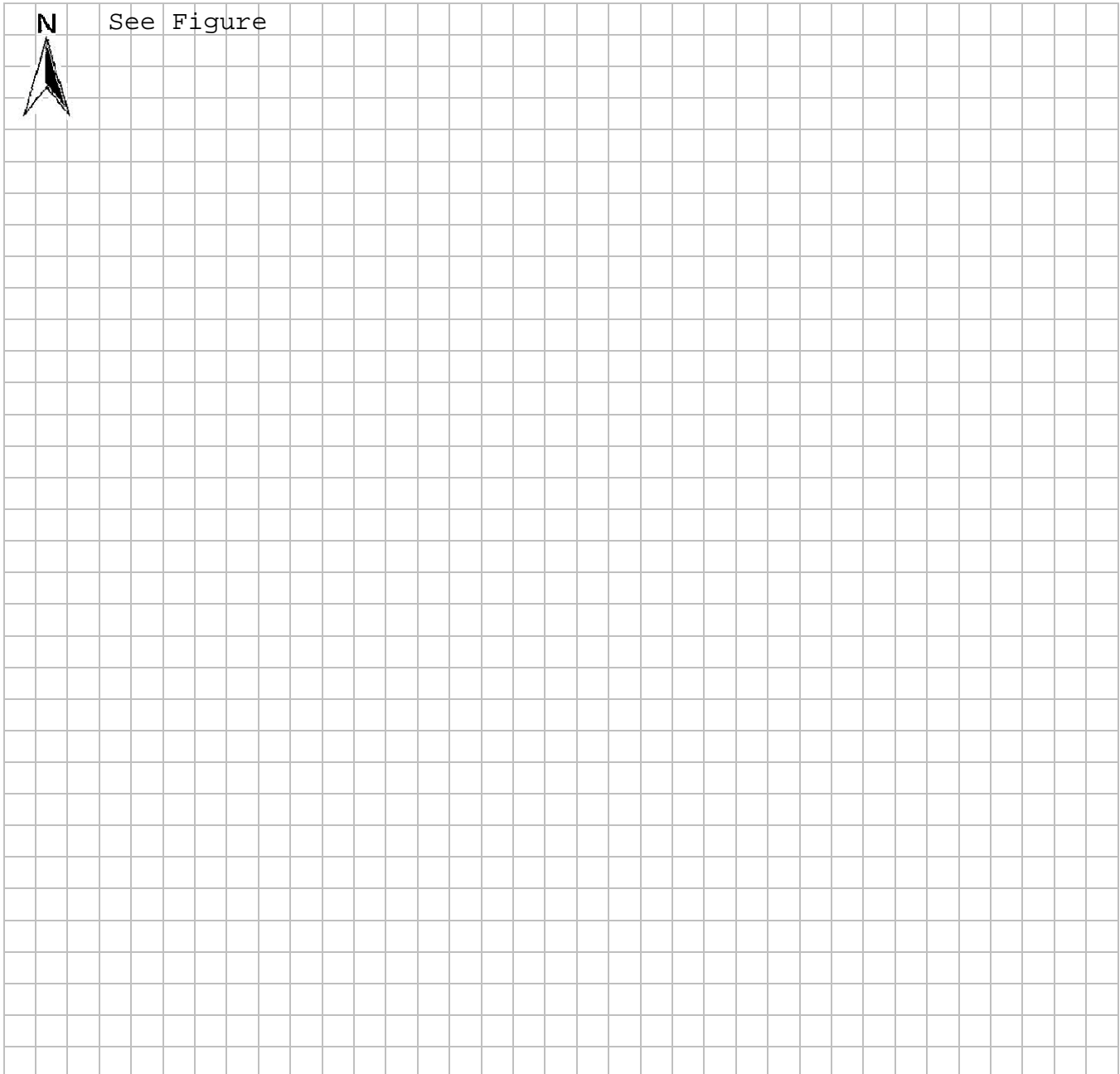
See Figure



## 12. OUTDOOR PLOT

**Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.**

**Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.**



**13. PRODUCT INVENTORY FORM** See Attached Chemical Inventory

**Make & Model of field instrument used:** \_\_\_\_\_

**List specific products found in the residence that have the potential to affect indoor air quality.**

[illegible]

\* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

**\*\* Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.**

**SSD System Inspection Form**  
**System Startup and Confirmation Testing**  
**524 Route 303, Orangeburg, New York**

Inspector: George Lester

Date: 4/2/2019

Title: Project Engineer

Arrival Time: 8:30

Company: VHB

Departure Time: 8:45

**Verification of Remedial System Monitoring**

<b>SSD Blower 1</b>	Blower Vacuum:	-19	Additional Comments:
<b>SSD Blower 2</b>	Blower Vacuum:	-18	Additional Comments:
<b>SSD Test Port 1</b>	Pressure Differential:	-0.098	Additional Comments:
<b>SSD Test Port 2</b>	Pressure Differential:	-0.074	Additional Comments:
<b>SSD Test Port 3</b>	Pressure Differential:	-0.049	Additional Comments:
<b>SSD Test Port 4</b>	Pressure Differential:	-0.004	Additional Comments:
<b>SSD Test Port 5</b>	Pressure Differential:	-0.012	Additional Comments:
<b>SSD Test Port 6</b>	Pressure Differential:	-0.004	Additional Comments:
<b>SSD Test Port 7</b>	Pressure Differential:	-0.026	Additional Comments:
<b>SSD Test Port 8</b>	Pressure Differential:	-0.013	Additional Comments:
<b>General SSD System Piping</b>	Visual Inspection:	OK	Additional Comments:

Comments: All measurements in inches of water column

Notes taken on iPad

**SSD System Inspection Form**  
**System Startup and Confirmation Testing**  
**524 Route 303, Orangeburg, New York**

Inspector: George Lester

Date: 12/16/2019

Title: Project Engineer

Arrival Time: 17:00

Company: VHB

Departure Time: 17:30

**Verification of Remedial System Monitoring**

<b>SSD Blower 1</b>	Blower Vacuum:	-18	Additional Comments:
<b>SSD Blower 2</b>	Blower Vacuum:	-18	Additional Comments:
<b>SSD Test Port 1</b>	Pressure Differential:	-1.22	Additional Comments:
<b>SSD Test Port 2</b>	Pressure Differential:	-0.73	Additional Comments:
<b>SSD Test Port 3</b>	Pressure Differential:	-0.206	Additional Comments:
<b>SSD Test Port 4</b>	Pressure Differential:	-0.006	Additional Comments:
<b>SSD Test Port 5</b>	Pressure Differential:	-0.018	Additional Comments:
<b>SSD Test Port 6</b>	Pressure Differential:	-0.004	Additional Comments:
<b>SSD Test Port 7</b>	Pressure Differential:	-0.03	Additional Comments:
<b>SSD Test Port 8</b>	Pressure Differential:	-0.008	Additional Comments:
<b>General SSD System Piping</b>	Visual Inspection:	OK	Additional Comments:

Comments: All measurements in inches of water column

Notes taken on iPad

**SSD System Inspection Form**  
**System Startup and Confirmation Testing**  
**524 Route 303, Orangeburg, New York**

Inspector: George Lester

Date: 12/9/2020

Title: Sr. Project Engineer

Arrival Time: 7:15

Company: VHB

Departure Time: 7:45

**Verification of Remedial System Monitoring**

<b>SSD Blower 1</b>	Blower Vacuum:	-18	Additional Comments:
<b>SSD Blower 2</b>	Blower Vacuum:	-21	Additional Comments:
<b>SSD Test Port 1</b>	Pressure Differential:	-0.064	Additional Comments:
<b>SSD Test Port 2</b>	Pressure Differential:	-0.148	Additional Comments:
<b>SSD Test Port 3</b>	Pressure Differential:	-0.103	Additional Comments:
<b>SSD Test Port 4</b>	Pressure Differential:	-0.004	Additional Comments:
<b>SSD Test Port 5</b>	Pressure Differential:	-0.013	Additional Comments:
<b>SSD Test Port 6</b>	Pressure Differential:	-0.006	Additional Comments: <b>New point, see below</b>
<b>SSD Test Port 7</b>	Pressure Differential:	-0.027	Additional Comments:
<b>SSD Test Port 8</b>	Pressure Differential:	-0.0006	Additional Comments:
<b>General SSD System Piping</b>	Visual Inspection:	OK	Additional Comments:

Comments: All measurements in inches of water column. OBAR Systems (the SSDS installer) was on-site 12/8/20 for an annual inspection and installed new Test Port 6. Old Test Port 6 was damaged during renovation (carpet was installed over it and a file cabinet was placed on top of it). Replaced Test Port 6 was damaged during renovation (carpet was installed over it and a file cabinet was placed on top of it). Replaced Test Port 6 with a new test port in a less obstructive location on adjacent wall. Same, or greater radial distance from nearest suction point SP2-8.

12/19/2020

Mr. George Lester

VHB formerly The Johnson Company

100 State Street

Suite 600

Montpelier VT 05602

Project Name: AD-ORANGEBURG

Project #: 58303.00

Workorder #: 2012328

Dear Mr. George Lester

The following report includes the data for the above referenced project for sample(s) received on 12/11/2020 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Alexandra Winslow at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Alexandra Winslow

Project Manager

**WORK ORDER #: 2012328**

Work Order Summary

<b>CLIENT:</b>	Mr. George Lester VHB formerly The Johnson Company 100 State Street Suite 600 Montpelier, VT 05602	<b>BILL TO:</b>	Accounts Payable VHB formerly The Johnson Company 100 State Street Suite 600 Montpelier, VT 05602
<b>PHONE:</b>	802-778-1271	<b>P.O. #</b>	
<b>FAX:</b>		<b>PROJECT #</b>	58303.00 AD-ORANGEBURG
<b>DATE RECEIVED:</b>	12/11/2020	<b>CONTACT:</b>	Alexandra Winslow
<b>DATE COMPLETED:</b>	12/19/2020		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IA-NW	Modified TO-15 SIM	5.0 "Hg	5 psi
02A	IA-SW	Modified TO-15 SIM	5.5 "Hg	5 psi
03A	IA-SE	Modified TO-15 SIM	5.5 "Hg	5 psi
04A	IA-NE	Modified TO-15 SIM	5.5 "Hg	5 psi
05A	IA-DUP	Modified TO-15 SIM	5.0 "Hg	5 psi
06A	OA-01	Modified TO-15 SIM	5.0 "Hg	5 psi
07A	IA-01	Modified TO-15 SIM	6.0 "Hg	5 psi
08A	Lab Blank	Modified TO-15 SIM	NA	NA
09A	CCV	Modified TO-15 SIM	NA	NA
10A	LCS	Modified TO-15 SIM	NA	NA
10AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 12/19/20

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209220, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-20-16, UT NELAP – CA009332020-12, VA NELAP - 10615, WA NELAP - C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005-014, Effective date: 10/18/2020, Expiration date: 10/17/2021.

Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 . (800) 985-5955 . FAX (916) 351-8279

**LABORATORY NARRATIVE**  
**Modified TO-15 SIM**  
**VHB formerly The Johnson Company**  
**Workorder# 2012328**

Seven 6 Liter Summa Canister (100% SIM Ambient) samples were received on December 11, 2020. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the EATL modifications.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$ .; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

### **Receiving Notes**

The Chain of Custody (COC) was not relinquished properly. A time was not provided by the field sampler.

### **Analytical Notes**

There were no analytical discrepancies.

### **Definition of Data Qualifying Flags**

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified



b-File was quantified by a second column and detector  
r1-File was requantified for the purpose of reissue

## Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: IA-NW**

**Lab ID#: 2012328-01A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.16	2.3	0.64	9.0
Carbon Tetrachloride	0.032	0.057	0.20	0.36

**Client Sample ID: IA-SW**

**Lab ID#: 2012328-02A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.16	0.44	0.65	1.7
Carbon Tetrachloride	0.033	0.062	0.21	0.39
1,2-Dichloroethane	0.033	0.035	0.13	0.14

**Client Sample ID: IA-SE**

**Lab ID#: 2012328-03A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.16	0.23	0.65	0.92
Carbon Tetrachloride	0.033	0.062	0.21	0.39

**Client Sample ID: IA-NE**

**Lab ID#: 2012328-04A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.16	0.20	0.65	0.78
Carbon Tetrachloride	0.033	0.063	0.21	0.40

**Client Sample ID: IA-DUP**

**Lab ID#: 2012328-05A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.16	0.34	0.64	1.4
Carbon Tetrachloride	0.032	0.061	0.20	0.39

## Summary of Detected Compounds

### MODIFIED EPA METHOD TO-15 GC/MS SIM

**Client Sample ID: OA-01**

**Lab ID#: 2012328-06A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Carbon Tetrachloride	0.032	0.061	0.20	0.38

**Client Sample ID: IA-01**

**Lab ID#: 2012328-07A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	0.17	0.25	0.67	1.0
Carbon Tetrachloride	0.034	0.060	0.21	0.38

Client Sample ID: IA-NW

Lab ID#: 2012328-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121415sim	Date of Collection: 12/9/20 4:29:00 PM
Dil. Factor:	1.61	Date of Analysis: 12/14/20 06:30 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
trans-1,2-Dichloroethene	0.16	2.3	0.64	9.0
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.057	0.20	0.36
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	96	70-130

Client Sample ID: IA-SW

Lab ID#: 2012328-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121416sim	Date of Collection: 12/9/20 4:05:00 PM
Dil. Factor:	1.64	Date of Analysis: 12/14/20 07:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
trans-1,2-Dichloroethene	0.16	0.44	0.65	1.7
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.062	0.21	0.39
1,2-Dichloroethane	0.033	0.035	0.13	0.14
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	92	70-130

Client Sample ID: IA-SE

Lab ID#: 2012328-03A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>v121417sim</b>	<b>Date of Collection:</b> 12/9/20 3:58:00 PM
<b>Dil. Factor:</b>	<b>1.64</b>	<b>Date of Analysis:</b> 12/14/20 07:51 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
trans-1,2-Dichloroethene	0.16	0.23	0.65	0.92
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.062	0.21	0.39
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected

**Container Type: 6 Liter Summa Canister (100% SIM Ambient)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	89	70-130

Client Sample ID: IA-NE

Lab ID#: 2012328-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121418sim	Date of Collection: 12/9/20 4:01:00 PM
Dil. Factor:	1.64	Date of Analysis: 12/14/20 08:32 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
trans-1,2-Dichloroethene	0.16	0.20	0.65	0.78
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.033	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.033	0.063	0.21	0.40
1,2-Dichloroethane	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	88	70-130

Client Sample ID: IA-DUP

Lab ID#: 2012328-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121419sim	Date of Collection: 12/9/20 4:42:00 PM
Dil. Factor:	1.61	Date of Analysis: 12/14/20 09:12 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
trans-1,2-Dichloroethene	0.16	0.34	0.64	1.4
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.061	0.20	0.39
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	89	70-130



Client Sample ID: OA-01

Lab ID#: 2012328-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121420sim	Date of Collection: 12/9/20 4:56:00 PM
Dil. Factor:	1.61	Date of Analysis: 12/14/20 09:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.032	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.032	0.061	0.20	0.38
1,2-Dichloroethane	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected

Container Type: 6 Liter Summa Canister (100% SIM Ambient)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	86	70-130

Client Sample ID: IA-01

Lab ID#: 2012328-07A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>v121421sim</b>	<b>Date of Collection:</b> 12/9/20 4:44:00 PM
<b>Dil. Factor:</b>	<b>1.68</b>	<b>Date of Analysis:</b> 12/14/20 10:33 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
trans-1,2-Dichloroethene	0.17	0.25	0.67	1.0
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
1,1,1-Trichloroethane	0.034	Not Detected	0.18	Not Detected
Carbon Tetrachloride	0.034	0.060	0.21	0.38
1,2-Dichloroethane	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected

**Container Type: 6 Liter Summa Canister (100% SIM Ambient)**

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	89	70-130

Client Sample ID: Lab Blank

Lab ID#: 2012328-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121406sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/14/20 09:56 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
1,1,1-Trichloroethane	0.020	Not Detected	0.11	Not Detected
Carbon Tetrachloride	0.020	Not Detected	0.12	Not Detected
1,2-Dichloroethane	0.020	Not Detected	0.081	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	88	70-130



## Air Toxics

Client Sample ID: CCV

Lab ID#: 2012328-09A

### MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	v121402sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/14/20 06:38 AM

Compound	%Recovery
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Vinyl Chloride	80
1,1-Dichloroethene	77
trans-1,2-Dichloroethene	83
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	80
1,1,1-Trichloroethane	84
Carbon Tetrachloride	71
1,2-Dichloroethane	92
Trichloroethene	87
Tetrachloroethene	84

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	91	70-130

Client Sample ID: LCS

Lab ID#: 2012328-10A

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

<b>File Name:</b>	<b>v121403sim</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 12/14/20 07:31 AM</b>

Compound	%Recovery	Method Limits
Vinyl Chloride	82	70-130
1,1-Dichloroethene	78	70-130
trans-1,2-Dichloroethene	83	70-130
1,1-Dichloroethane	89	70-130
cis-1,2-Dichloroethene	80	70-130
1,1,1-Trichloroethane	84	70-130
Carbon Tetrachloride	86	60-140
1,2-Dichloroethane	90	70-130
Trichloroethene	87	70-130
Tetrachloroethene	83	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	89	70-130

Client Sample ID: LCSD

Lab ID#: 2012328-10AA

**MODIFIED EPA METHOD TO-15 GC/MS SIM**

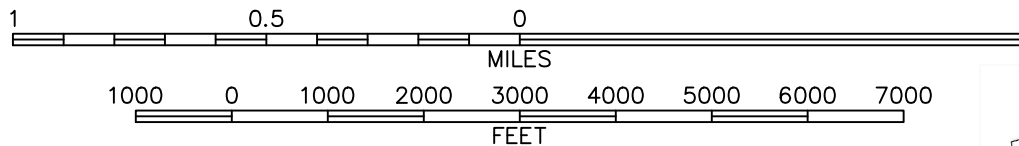
<b>File Name:</b>	<b>v121404sim</b>	<b>Date of Collection:</b> NA
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis:</b> 12/14/20 08:11 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	82	70-130
1,1-Dichloroethene	78	70-130
trans-1,2-Dichloroethene	83	70-130
1,1-Dichloroethane	88	70-130
cis-1,2-Dichloroethene	80	70-130
1,1,1-Trichloroethane	83	70-130
Carbon Tetrachloride	86	60-140
1,2-Dichloroethane	89	70-130
Trichloroethene	87	70-130
Tetrachloroethene	84	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	89	70-130





CONTOUR INTERVAL 10 FEET

BASE MAP: USGS 7.5 Minute Topographic Quadrangle NYACK, NY-NJ



QUADRANGLE LOCATION

**Figure 1**  
**Site Location**  
**524 Route 303, Orangeburg, New York**



100 State Street, Suite 600  
Montpelier, VT 05602

Drawn by: TJK	Date: 09/11/18
Reviewed by: CMT	Date: 09/11/18
Scale: As Shown	Project: 1-0145-15



LEGEND

- TARGET SOIL VAPOR INTRUSION (SVI) MITIGATION AREA
- HEATING SYSTEM
- ⊗ VENTILATION FAN

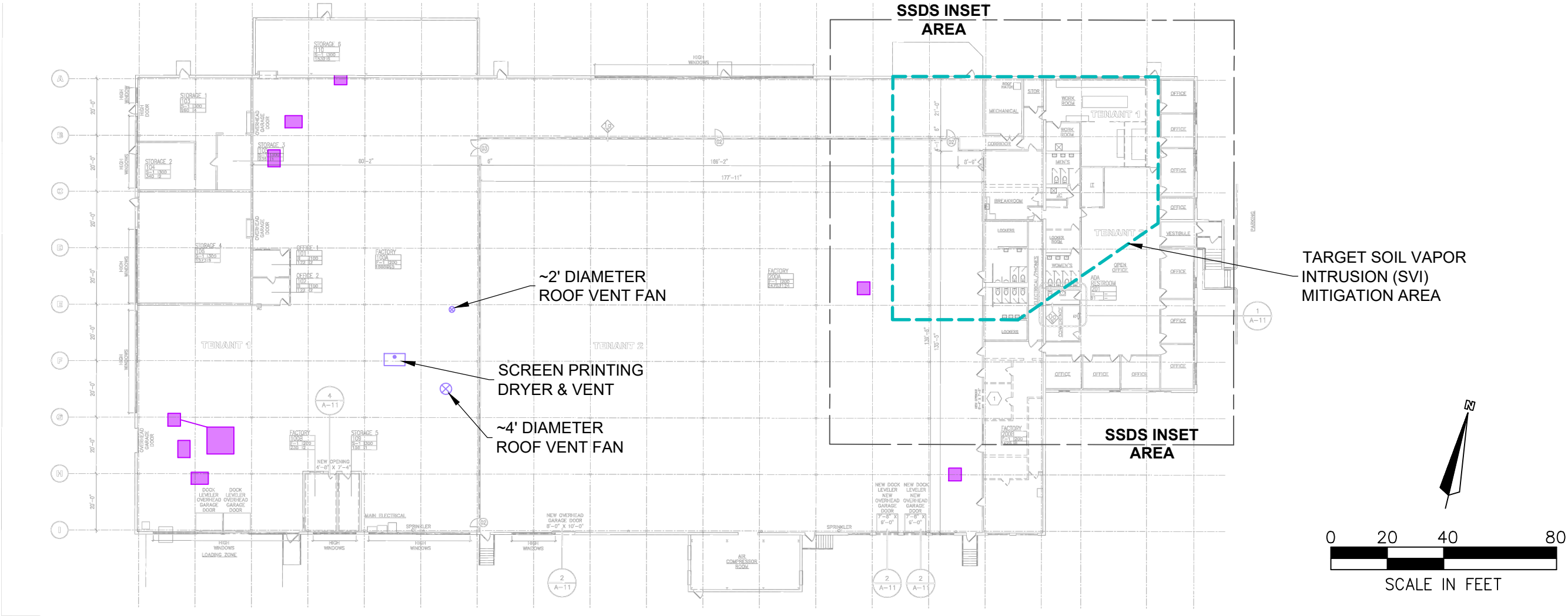


FIGURE 2  
CURRENT BUILDING LAYOUT & VENTILATION  
524 ROUTE 303  
ORANGEBURG, NEW YORK



One Penn Plaza, Suite 715  
New York, New York 10119

Drawn by: GWL Date: 12/22/20  
Reviewed by: GWL Date: 12/22/20  
Scale: 1" = 40' Project: 58303.00

CURRENT BUILDING LAYOUT SOURCE: MICHAEL SHILALE ARCHITECTS L.L.P.,  
ALTERATION AT 524 ROUTE 303, DATED 8/24/20; DRAWING PROVIDED BY  
BUILDING OWNER

\\vhb\gbl\proj\Montpelier\58303.00 ADC Orangeburg NY\JC0data\CAD\58303.00-SSD\_Design-2020-12-21.dwg



LEGEND

- BUILDING FOOTPRINT
- TARGET SOIL VAPOR INTRUSION (SVI) MITIGATION AREA
- BUILDING USE AREA; AS NOTED

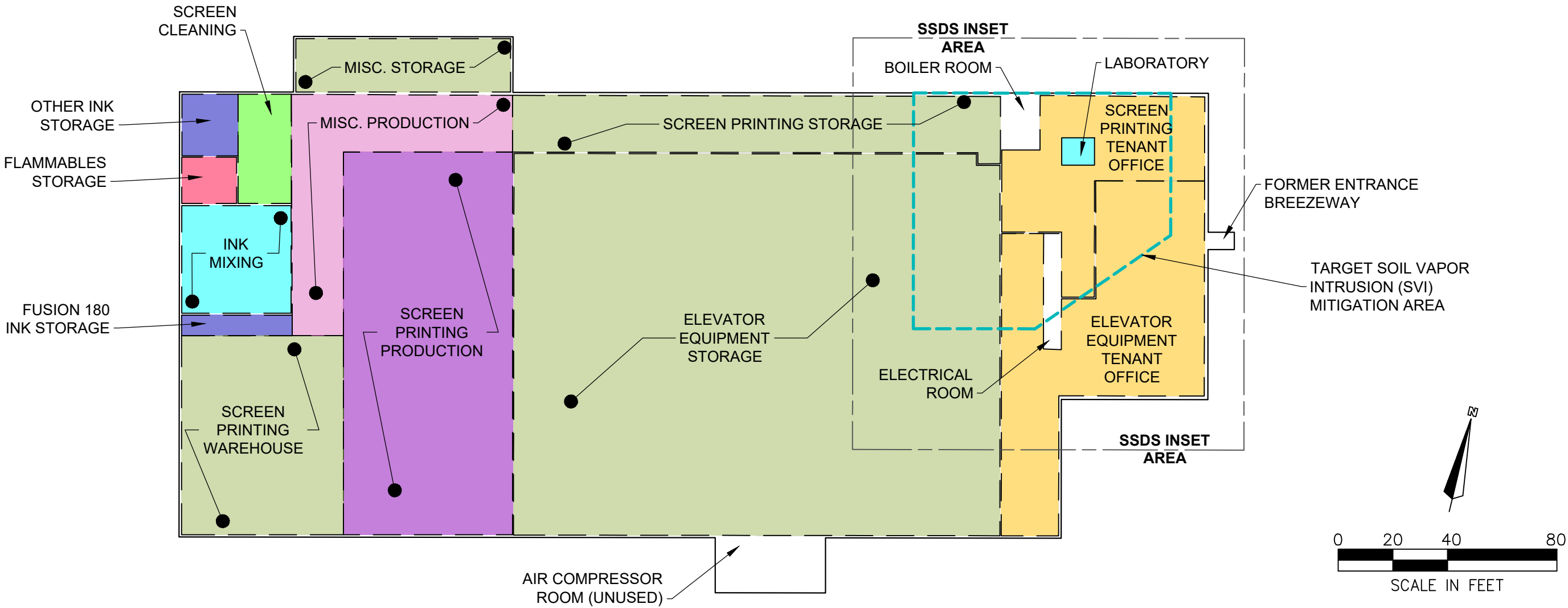


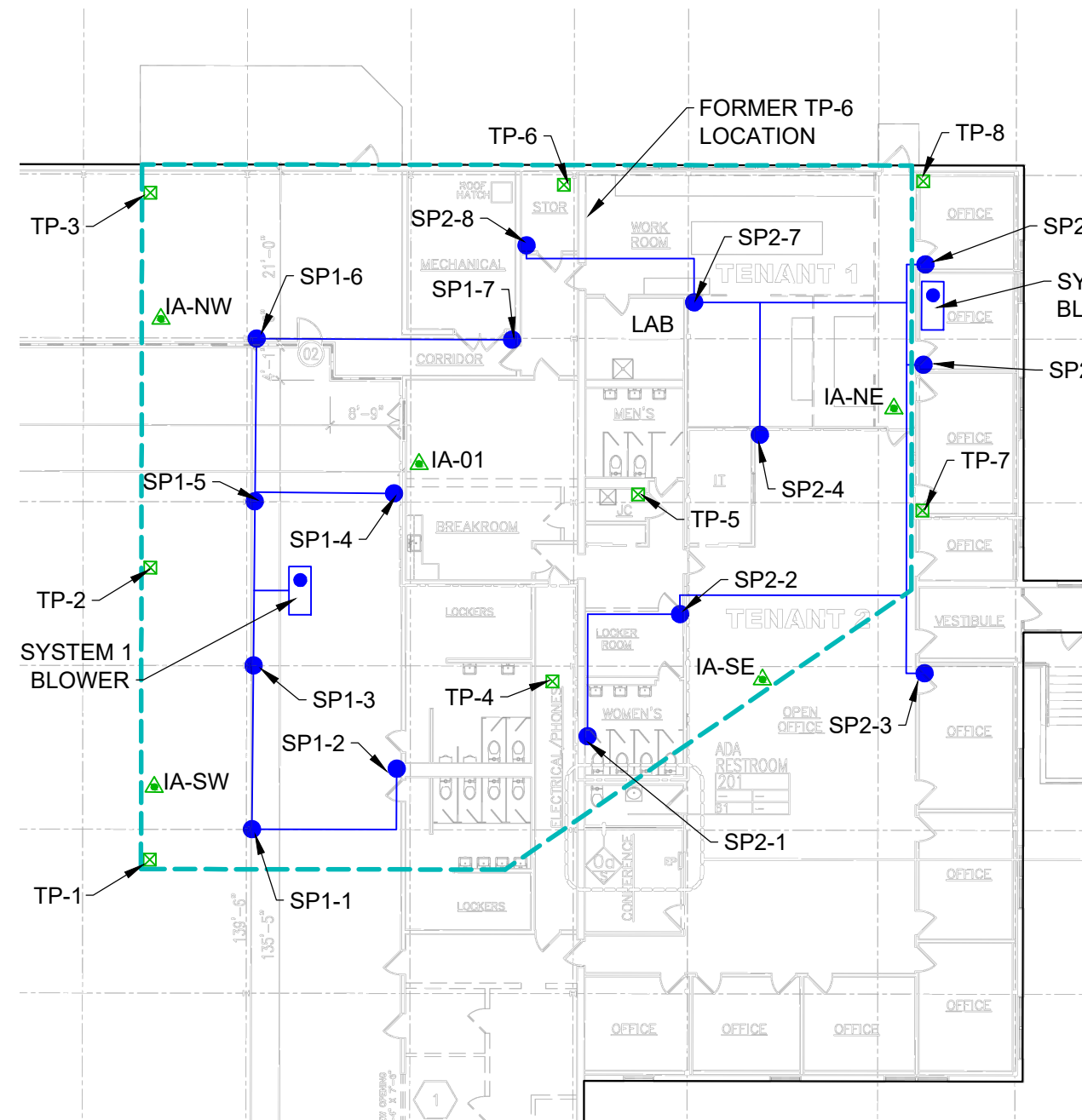
FIGURE 3  
CURRENT BUILDING USE  
524 ROUTE 303  
ORANGEBURG, NEW YORK

CURRENT BUILDING LAYOUT SOURCE: MICHAEL SHILALE ARCHITECTS L.L.P.,  
ALTERATION AT 524 ROUTE 303, DATED 8/24/20; DRAWING PROVIDED BY  
BUILDING OWNER

\\vnb\gbl\proj\Montpelier\58303.00 ADC Orangeburg NY\JC0data\CAD\58303.00-SSD\_Design-2020-12-21.dwg



One Penn Plaza, Suite 715 New York, New York 10119	
Drawn by: GWL	Date: 12/22/20
Reviewed by: GWL	Date: 12/22/20
Scale: 1" = 40'	Project: 58303.00



- LEGEND**
- BUILDING FOOTPRINT
  - - - TARGET SOIL VAPOR INTRUSION (SVI) MITIGATION AREA
  - SSDS CONVEYANCE PIPING
  - SP1-1 ● SSDS SUCTION POINT
  - SSDS ROOF-MOUNTED BLOWER
  - TP-1 ⊠ SSDS VACUUM MONITORING POINT
  - IA-SW ▲ INDOOR AIR SAMPLE LOCATION



**FIGURE 4**  
**SSDS LAYOUT & SAMPLE LOCATIONS**  
**524 ROUTE 303**  
**ORANGEBURG, NEW YORK**



One Penn Plaza, Suite 715  
 New York, New York 10119

Drawn by: GWL Date: 12/22/20

Reviewed by: GWL Date: 12/22/20

Scale: 1" = 20' Project: 58303.00

CURRENT BUILDING LAYOUT SOURCE: MICHAEL SHILALE ARCHITECTS L.L.P.,  
 ALTERATION AT 524 ROUTE 303, DATED 8/24/20; DRAWING PROVIDED BY  
 BUILDING OWNER

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Storage Location	Product Name	Product Use	Size of Container	Number of Containers	Condition	Main Chemical Ingredients
Mixing Area	Activated Carbon	Screen printing	1 lb	1	Used	Activated Carbon
Office Laboratory	AFCONA 3700	Paint Additive	8 fl oz	1	Used	polymer with no hazardous ingredients
Mixing Area	AFCONA 4203	dispersing agent	1 Liter	1	Used	
Mixing Area	AFONCA 5285	wetting & dispersing agent	12 fl oz	1	Used	none
Mixing Area	AFONCA 7466	anti-settling agent	8 fl oz	1	Used	
Mixing Area	AFONCA 7476	dispersing agent	58 gallons	1	Used	
Mixing Area	AFONCA 8530	dispersing agent	55 lbs	1	Used	
Office Laboratory	AFCONA 4010	Paint Additive	8 fl oz	1	Used	n-butyl acetate, xylene, 2-methoxy-1-methylethyl acetate, butanol
Office Laboratory	AFCONA 4720	weight dispersent	16 fl oz	1	Used	fluorocarbon modified polyacrylic
Office Laboratory	AFCONA 6228	Paint additive	8 fl oz	1	Used	Mixture of nonhazardous ingredients
Outdoors	AFONCA 8530	dispersing agent	10 gallons	1	Used	
Mixing Area	AFONCA unknown		6 fl oz	1	Used	
Tenant 1 Office	Alba-5 Lubricant	lubricant for machines	6.84 oz	1	Used	Petroleum gases, liquefied, sweetened, MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED 14% - 23% (MILD) LIGHT PARAFFINIC, PENTANE , ISOPENTANE, CYCLOPENTANE
Mixing Area	Aluminiumpaste DINP-970	non-contact printing techniques	250 g	1	Used	
Office Laboratory	AMFINE Chemical Corp AC-818	unknown	16 fl oz	1	Used	unknown
Office Laboratory	AMFINE Chemical Corp- unidentifiable		32 fl oz	1	Used	
Office Laboratory	Ashland Easy-wet 20	Surfactant	16 fl oz	1	Used	undecyl alcohol + 5 EO polyethoxylate, 1-octyl-2-pyrrolidone, 1-undecanol, sodium lauryl sulfate
Office Laboratory	Ashland Sorez HS 205	home care	8 fl oz	1	Used	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone
Office Laboratory	Ashland Surfadone LP-100	Surfactant	32 fl oz	1	Used	1-octyl-2-pyrrolidone
Office Laboratory	BASF Dispex AA 4144	dispersing agent	16 fl oz	1	Used	none
Mixing Area	BASF Efka FA 4620	dispersing agent	20 Kg	1	Used	Poly(oxy-1,2-ethanediyl), .alpha.-phosphono-.omega.-methoxy-
Office Laboratory	BASF Empol 1016 Dimer Acid	oleic acid for adhesive	0.8 Kg/ 1.8 lbs	1	Used	dibasic acid, polybasic acid, monobasic acid
Office Laboratory	BASF Joncryl 2646	acrylic emulsion	1 Kg/ 2.2 lbs	1	Used	ammonia solution 30 wt% in water, 5-chloro-2-methyl-2H-isothiazol-3-one, 2-Methyl-4-Isothiazolin-3-one, water, Ammonium salt of modified acrylic copolymers
Office Laboratory	BASF Joncryl Wax 28	wax emulsion	1 Kg/ 2.2 lbs	1	Used	4-ethylmorpholine, morpholine, Alcohols, C11-15-secondary, ethoxylated
Storage Closet	BEHR Paint and Primer	paint	4.69 gallons	1	Used	Titanium dioxide, Nepheline Syenite
Office Laboratory	BLUESIL PA CURE RATE RTRD	additive silicone	32 oz	1	Used	Mixture of Polyorganosiloxanes.
Office Laboratory	Bluesil TCS 7600 CATA	catalyst for bluesil tcs 7612 base and tcs 7663 base	4 fl oz	1	Used	Mixture of Polyorganosiloxanes, fillers, additives.
Office Laboratory	Bluesil TCS 7612 Base Silicone Polyaddition for Technical Textiles	Textile coating/ protection	16 fl oz	1	Used	Mixture of Polyorganosiloxanes.
Office Laboratory	Bluesil TCS 7663 Base Silicone Polyaddition for Technical Textiles	Textile coating	16 fl oz	1	Used	Mixture of Polyorganosiloxanes, fillers
Office Laboratory	BYK -411	improves anti-sagging and anti-settling	32 fl oz	1	Used	1-Methyl-2-pyrrolidone, Lithium chloride [LiCl]
Office Laboratory	BYK products - Silicone containing surface additive	Surface/Leveling Additives	8 oz	22	Used	
Office Laboratory	BYK RHEOBYK -410	Rheology Additive	32 fl oz	1	Used	1-Methyl-2-pyrrolidone, Lithium chloride [LiCl]
Office Laboratory	BYK Synergist 2100	pigment synergist	8 oz	1	Used	Copper Complex
Mixing Area	BYK-1160	wetting additive	1 Liter	1	Used	Polyglycol, Alcohols, C12-14, ethoxylated
Mixing Area	BYK-1162	dispersing medium	1 Liter	1	Used	CAS- 398475-96-2 , 108-31-6 , 203-571-6
Mixing Area	BYK-3550	Levelling additive	1 Liter	1	Used	1-Methoxy-2-propanol acetate, 2-Methoxy-1-propanol acetate (impurity)
Office Laboratory	BYK-P4100	Processing Additive	32 fl oz	2	Used	No hazardous ingredients
Mixing Area	Cabot Cab-o-sil Untreated Fumed Silica	Ink manufacturing	4.54 Kg	2	Unopened	Synthetic Amorphous, Pyrogenic Silica
Mixing Area	Cabot Carbon Black	Pigment	~100 lbs	4	Unopened	carbon black

Storage Location	Product Name	Product Use	Size of Container	Number of Containers	Condition	Main Chemical Ingredients
Office Laboratory	Callahan Chemcials N-Methyl 2-Pyrrolidone	thinner/stripper	32 fl oz	1	Used	N-Methyl 2-Pyrrolidone
Flammable Storage Area	Callahan Chemical Company Acetone	cleaner	10 gallons	1	Used	Acetone
Office Laboratory	Celanese PLX	Plasticizer	16 fl oz	1	Used	2,2''-Ethylenedioxydiethyl bis(2-ethylhexanoate)
Office Laboratory	Champflex special Chrystalline	PVC	8 oz	1	Used	
Office Laboratory	CITROFOL AHII TRIS	plasticiser	16 fl oz	1	Used	Tris (2-ethylhexyl) O-acetylcitrate
Office Laboratory	CITROFOL B11 Tributyl O-acetylcitrate	Plasticizer	16 fl oz	1	Used	Tributyl O-acetylcitrate
Office Laboratory	CITROFOL C80 Tributyl O-acetylcitrate	plasticizer	16 fl oz	1	Used	Tributyl O-acetylcitrate
Office Laboratory	CITROFOL D80 VERSUCHSPRODUKT - Trial Product	plasticizer system	16 fl oz	1	Used	Tris(2-ethylhexyl)2-(acetyoloxy)propane-1,2,3-tricaboxylate, Tributyl O-acetylcitrate
Office Laboratory	CITROFOL D90 Platiciser System	plasticizer system	16 fl oz	1	Used	
Mixing Area	Cliqperse HA	dispersing agent	8 fl oz	1	Used	phosphate ester copolymer
Mixing Area	Cliqperse HA-50	dispersing agent	8 fl oz	1	Used	phosphate ester copolymer
Mixing Area	Cliqperse HK	dispersing & wetting agent	4 oz	1	Used	phosphate ester copolymer
Office Laboratory	COATEX Arkema COADIS 144A	pigment dispersant	8 fl oz	1	Used	polycarboxylate
Office Laboratory	CONVESTRO DESMODUR BL 1100/1	Coatings, adhesives, sealants, or elastomers	16 fl oz	1	Used	blocked polyisocyanate
Office Laboratory	CPS US Haze Remover HV	haze remover	5 Kg	1	Used	Sodium Hypochlorite
Mixing Area	Crucible Chemical Foamkill 8D	anti-foam	12 fl oz	1	Used	
Office Laboratory	CTI Photochromic Textile ink	Textile Ink	.5 lbs	2	Used	
Office Laboratory	CYCAT 4040 Catalyst	catalyst for bluesil tcs 7612 base and tcs 7663 base	1 Liter	1	Used	Isopropanol, Toluenesulfonic acid, p-
Office Laboratory	CYMEL 303 LF Resin	Melamine Resin for surface coatings	1 Liter	1	Used	Formaldehyde
Office Laboratory	DESMODUR N 75A BA (85841638)	Hardener for coating materials or adhesives for industrial and trade applications	16 fl oz	1	Unopened	n-Butyl acetate,
Office Laboratory	DIAZO -2	Diazo Emulsion for screen printing	4 fl oz	1	Used	
Office Laboratory	DISEPRBYK products	Wetting & Dispersing Additive	8 oz	3	Used	Xylene, 1-Methoxy-2-propanol acetate,n-Butyl Acetate, Ethyl benzene
Office Laboratory	DKSH North America Inc. - Adipic Acid Dihydrazide (ADH)	Crosslinking / Coupling / Curing Agent	8 oz	1	Used	Adipic Acid Dihydrazide (ADH)
Tenant 1 Office	Dux Industrial Solvent Epoxy Thinner		1 gallon	1	Unopened	
Office Laboratory	DUX Paint Epoxy Industrial Maintanence Enamel	epoxy	1 gallon	2	Used	xylol
Outdoors	Eastman Effusion Plasticizer	Plasticizer	58 gallons	1	Used	terephthalic acid, dibutyl ester
Mixing Area	Eastman Glacial Acetic Acid	Solvent	16 fl oz	1	Used	acetic acid
Mixing Area	EnSolv Next - Performance High-Trans Fluorinated Cleaning Solvent	Cleaning solvent	5 gallons	1	Used	1,2 trans-dichloroethylene, 1,1,1,3,3-pentafluorobutane
Tenant 1 Office	Envirotech Hand Sanitizer	ethanol	12 fl oz	1	Unopened	
Office Laboratory	ETHOX E-SPERSE 100	dispersion and emulsification	32 oz	1	Used	12.73% VOCs by wt
Office Laboratory	Ethyl 3-ethoxypropionate	retardant solvent for air-dried coatings	1 Liter	1	Used	Esters (Ethyl 3-ethoxypropionate)
Office Laboratory	EVONIK industries TEGOMER DA 626	dispersing agent	16 fl oz	1	Used	
Office Laboratory	EVONIK industries TEGOMER DA 646	dispersing agent	16 fl oz	1	Used	Modified polyether (83653-00-3), Polymer of phenyl- und oxiran, alkylmodified
Office Laboratory	EVONIK Nourybond 289 Adhesive Promoter	adhesion promoter	1 quart	1	Used	
Office Laboratory	EVONIK NOURYBOND 312 MODIFIER	adhesion promoter	16 fl oz	1	Used	polyamide resin - amines, polyethylenepoly-
Office Laboratory	EVONIK NOURYBOND 316	adhesion promoter	16 fl oz	1	Used	istillates (petroleum), hydrotreated light - 2-(2-Butoxyethoxy)ethanol - Amines, polyethylenepoly- - Fatty acids, C18-unsatd., dimers, polymers with tall-oil fatty acids and triethylenetramine
Office Laboratory	Expert All Purpose Adhesive Spray	Adhesive	10 oz	1	Used	Acetone, Naptha, Butane, Propane, n-Heptane, Methylcyclohexane
Mixing Area	Ferro Santicizer 148	flame retardant plasticizer	1 Liter	1	Used	
Mixing Area	Ferro Santicizer 154	flame retardant plasticizer	1 Liter	1	Used	
Office Laboratory	Fusion 180 Ink Optima -HC 900	Waterless hand cleaner	1 quart	1	Used	Manufactured in House
Office Laboratory	Fusion 180 Ink Optima -IC 510	Instant biodegradable Ink	2 quarts	1	Used	Manufactured in House

Storage Location	Product Name	Product Use	Size of Container	Number of Containers	Condition	Main Chemical Ingredients
Tenant 1 Office	Fusion 180 Web Adhesive Spray		12 oz	1	Unopened	
Storage Closet	GOJO Klean Skin Cleanser	skin cleanser	16 fl oz	1	Used	Sodium Laureth Sulfate
Storage Closet	GOJO Natural Orange Pumice Hand Cleaner	Hand cleanser	16 fl oz	1	Used	Limonene, Petroleum Distillates
Office Laboratory	GOOP Plumber's Contact Adhesive & Sealant	adhesive and sealant	3.7 fl oz	1	Used	toluene, styrene, solvent naphtha
Cleaning/UV Area	ImageStar IMS 905 Purecoat HV SBQ Emulsion	emulsion	1 gallon	4	Unopened	Dipropylene glycol dibenzoate
Flammable Storage Area	ImageStar IMS 905 Purecoat HV SBQ Emulsion	emulsion	1 gallon	1	Unopened	Dipropylene glycol dibenzoate
Mixing Area	Kenrich Petrochemicals - Unknown		12 fl oz	1	Used	
Office Laboratory	Kenrich Petrochemicals KEN-REACT Capow L38/H	coupling agent	16 oz	3	Used	bis 2-propenolatomethyl)butanolato, tris(dioctyl)pyrophosphato-O
Office Laboratory	Kenrich Petrochemicals KEN-STAT KSMZ100	antistatic agent	16 fl oz	1	Used	Active Liquid Trineoalkoxy Zirconate
Mixing Area	Klean Strip MEK Substitute	thinner	1 quart	1	Used	Acetic acid, ethyl ester {Ethyl acetate}
Mixing Area	Klean Strip Xylol Xylene	solvent	1 quart	1	Used	Xylene (mixed isomers) {Benzene, dimethyl-}, Ethylbenzene {Ethylbenzol; Phenylethane}, Cumene {Benzene, 1-Methylethyl-; Isopropylbenzene}
Storage Closet	Lemon-E Detergent/Disinfectant	detergent/disinfectant	1 gallon	1	Used	No hazardous ingredients
Mixing Area	Lomon Billions BLR-698	titanium dioxide pigment	16 oz	1	Used	Titanium Dioxide
Mixing Area	Lomon Billions BLR-886	titanium dioxide pigment	16 oz	1	Used	Titanium Dioxide
Office Laboratory	Lomon Billions TR52	pigment	8 oz	1	Used	Titanium Dioxide
Office Laboratory	Lonza Lonzacure DETDA 80	Polyurethane extender & Epoxy curing agent	32 fl oz	1	Used	Diethylmethylbenzenediamine
Office Laboratory	Lonzacure M-DEA kr	PU Extender and curing Agent	24 oz	1	Used	4,4'-Methylenebis[2,6-diethylaniline]
Storage Closet	Lysol, Spray Nine	Cleaning supplies	~32 fl oz	1 each	Used	
Office Laboratory	Misty Multipurpose Mist Spray Adhesive	Adhesive	12 oz	6	Used	butane ,cyclohexane, acetone, propane
Mixing Area	Momentive Coatosil 1211 C	enhanced uniformity, enables wetting	18 Kg	1	Used	Siloxane Polyalkyleneoxide Copolymer, Octamethylcyclotetrasiloxane
Mixing Area	Nan Ya Plasticizer	plasticizer	950 Kg	1	Used	bis(2-ethylhexyl) terephthalate (DOTP)
Cleaning/UV Area	Nazdar Screen Ink Thinner - RE180	thinner	1 quart	1	Used	2-Butoxyethanol
Storage Closet	Nisus DSV	disinfectant/ sanitizer/ virucide	1 gallon	1	Used	Alkyl (C12-C16) dimethyl benzyl ammonium chloride,Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Diecyl dimethyl ammonium chloride, Ehtanol
Mixing Area	Nouryon Trigonox 122-C80	initiator	7 lb	1	Unopened	Nouryon Trigonox 122-C80, Nouryon Trigonox 122-C80
Office Laboratory	NYCHEM 1552	Nitrile Emulsion for coatings	4.1 Kg	1	Used	Potassium resinate
Office Laboratory	NYCHEM 552	Vinyl Emulsion for coatings	4.5 Kg	1	Used	No hazardous ingredients
Mixing Area	OCI Konasil Fiumed Silica	coating, adhesive or reinforcing agent of sealan and rubber products	3 gallons	1	Used	Silane, dichlorodimethyl-,Silicon dioxide, Dichloro(dimethyl)silane
Mixing Area	Omya Calcium Carbonate	Filler and pigment	~100 lbs	5		Limestone (calcium carbonate), Silica, quartz (naturally-occurring component of limestone)
Office Laboratory	Optima -HC 900 hand cleaner	waterless hand cleaner	1 quart	1	Used	Manufactured in House
Office Laboratory	P&D Color Company - Color Concentrate Spe-		8 oz	1	Deteriorated	
Office Laboratory	Patcham PATADD DA 202	Dispersing Agent	8 fl oz	1	Used	Polymeric Surfactant
Office Laboratory	Patcham PATADD DA 3225	wetting and dispersing agent	4 fl oz	1	Used	
Mixing Area	Patcham PAT-ADD DA 7006N	viscosity depressant	4 oz	1	Used	
Mixing Area	Patcham PAT-ADD DA 948	dispersing agent	25 Kg	1	Used	Polymeric polyurethane with cationic pigment affinic groups
Mixing Area	Patcham PAT-ADD VR7005		16 fl oz	1	Used	
Office Laboratory	PCC CHEMAX DOSS/70PG	wetting agent	1 quart	1	Used	Sodium Dioctyl Sulfosuccinate Mixture
Mixing Area	PL714 - unknown		58 gallons	1	Unopened	
Office Laboratory	Platinum Screen Print Web 125	Adhesives Spray	12 oz	1	Used	



Storage Location	Product Name	Product Use	Size of Container	Number of Containers	Condition	Main Chemical Ingredients
Office Laboratory	Platinum Web Spray 100 Spray Adhesive	screen printing adhesive	20 oz	3	Used	Acetone, propane, n-Hexane, 2-methylpentane, dimethyl ether, 3-methylpentane
Office Laboratory	Poly one 11770PFW EPIC Amazing Bright White LB	ink	8 oz	1	Used	
Office Laboratory	PRIDE Isopropyl Acetate	Printing Ink component	16 fl oz	1	Used	Isopropyl Acetate
Office Laboratory	PRIDE Monoethanolamine	Textile Finishing	16 fl oz	1	Used	Monoethanolamine
Office Laboratory	Priplast 1900-LQ-(GD) (adhesive)	Adhesives & Sealants / industrial Coatings	4 oz	1	Used	No hazardous ingredients
Storage Closet	Pure Bright Germicidal Ultra Bleach	Cleaning supplies	~32 fl oz	6	Unopened	Sodium Hypochlorite
Office Laboratory	RAVAGO CLIQSPERSE HA	dispersing agent	4 fl oz	1	Unopened	phosphate ester copolymer
Office Laboratory	RAVAGO CLIQSPERSE HA-50	dispersing agent	8 fl oz	1	Used	phosphate ester copolymer
Office Laboratory	RAVAGO CLISPERSE PH-2	dispersing agent	8 fl oz	1	Used	alkylammonium salt polymer
Office Laboratory	REICHHOLD Amberlac 13-802	Paintings and Coatings	34 fl oz	1	Used	Xylene, Ethylbenzene, Toluene, Styrene
Office Laboratory	REICHHOLD Aroplaz 6126-Z-65	Paints & coatings	32 oz	2	Used	Solvent naphtha, petroleum, heavy arom., Naphthalene, Xylene, Ethylbenzene
Office Laboratory	REICHHOLD Urotuf L63 W 38	Polyurethane Resin Coating	1 gallon	1	Used	1-Methyl-2-Pyrrolidinone, Triethylamine
Mixing Area	Reolosil QS-102	Ink manufacturing	~100 lbs	7	Unopened	silicon dioxide
Office Laboratory	ROWAK AG ROWALIT -400-SIT-18 (Polyester powder)	hotmelt adhesive	.5 Kg	1	Used	
Office Laboratory	Rust-oleum Paint and Primer	spary paint	12 oz	1	Unopened	
Office Laboratory	Rutland Plastic Technologies EKO Magenta NM	textile ink	1 quart	1	Used	calcium carbonate
Mixing Area	Rutland Technologies Ink	Plastisol for screen printing	1 quart	1	Used	
Ink Storage Area	Saatichem Finish S1	filler/blockout	1 gallon	1	Unopened	none
Flammable Storage Area	Saatichem Remove ER2	screen cleaner	1 quart	1	Used	Periodic Acid, disodium dodecyl(sulphonatophenoxy)benzenesulphonate, disodium 2,2'(or 3,3')-oxybis[5(or 2)-dodecylbenzenesulphonate]
Cleaning/UV Area	Saatichem Remove HR6	stain remover and degreaser	1 gallon	1	Used	2-(2-butoxyethoxy) ethanol, Aliphatic Dibasic Ester, Alcohol Ethoxylate
Outdoors	Saatichem Remove IR10	ink remover	58 gallons	1	Used	Dipropylene glycol methyl ether acetate, Terpene hydrocarbons, Dipropylene glycol methyl ether, 2-(2-butoxyethoxy) ethanol, Aliphatic hydrocarbons
Mixing Area	Valtris Santicizer Platinum P-1400	plasticizer	447 lbs	1	Used	benzyl butyl cis-cyclohexane dicarboxylate
Storage Closet	SC Johnson Fantastik Multi-surface Disinfectant Degreaser	Multi-surface Disinfectant Degreaser	32 fl oz	8	Unopened	Diisopropanolamine, Isotridecyl Alcohol 3EO, Lauramine Oxide, Benzalkonium Chloride, Tetrasodium Iminodisuccinate, 2,6-Dimethyl-7-Octen-2-OL, Dipropylene Glycol, Hydroxycitronellal, Linalool, Alpha-isomethyl ionone,Butylphenyl methylpropional, Limonene,Hexyl cinnamal
Office Laboratory	SHAMROCK S-379 H Synthetic wax powder	synthetic wax	4 oz	1	Used	hydrocarbon wax
Mixing Area	Shamrock SST-4D	Ink Coating	286 lbs	1	Used	Polytetrafluoroethylene
Mixing Area	Solvay Socal Coated Calcium Carbonate	Ink manufacturing	~100 lbs	±20	Unopened	
Storage Closet	Spartan NABC	non-acid disinfectant	32 fl oz	1	Used	C9-11 Pareth-6, Isopropyl Alcohol, Dicapryl/Dicaprylyl Dimonium Chloride, Alkyl C12-16 Dimethylbenzyl Ammonium Chloride, 4-Tert-Butylcyclohexyl Acetate, 7-Octen-2-ol, 2-Methyl-6-Methylene-, Dihydro Deriv., OTHERS LISTED IN SDS
Office Laboratory	Stepan Steposol MET 10U	Surfactant	32 fl oz	2	Used	N,N-dimethyl 9-decenamide
Mixing Area	Texanol Isobutyrate		58 gallons	1	Unopened	
Mixing Area	Tomadol 91-6	detergent	16 fl oz	1	Used	Alcohols, C9-11, ethoxylated
Office Laboratory	Ulano QXO	Stencil production for screen and textile printing.	32 oz	1	Used	,oxydipropyl dibenzoate, 5-chloro-2-methyl-4-isothiazolin-3-one, 2-methyl-2H -isothiazol-3-one
Office Laboratory	Unidentifiable		8 oz	1	Deteriorated	
Mixing Area	Univar D-Limone Tech LIQ	Citrus Stripper Oil	1 gallon	1	Used	Citrus Terpenes
Mixing Area	Univar Ethyl Acetate 99%	Solvent	1 gallon	1	Used	Ethyl acetate
Mixing Area	Univar Glycol Ether DPM Tech LIQ		1 gallon	1	Used	
Mixing Area	Univar Glycol Ether EB Tech LIQ	solvent in surface coatings in paints	1 gallon	1	Used	Ethylene glycol monobutyl ether

Storage Location	Product Name	Product Use	Size of Container	Number of Containers	Condition	Main Chemical Ingredients
Mixing Area	Univar Hi-Sol 10 Solventtech LIQ	Solvent	1 gallon	1	Used	Solvent naphtha (petroleum), light arom, Benzene, trimethyl-,1,2,4-trimethylbenzene, Benzene, 1,3,5-trimethyl-,Benzene, 1,2,3-trimethyl-,Cumene, Mixed Xylenes
Mixing Area	Univar Mineral Spirits 66 1% Arom Tech Liq		1 gallon	1	Used	
Flammable Storage Area	Unknown bucket in flammable storage		5 gallons	2	Used	
Outdoors	Unknown drum		58 gallons	1	Used	benzyl butyl 1,2-cyclohexyldicarboxylate
Mixing Area	Unknown pigment		12 oz	1	Used	
Mixing Area	Unlabeled gallon conatiner		1 gallon	1	Deteriorated	
Office Laboratory	Valtris Santicizer P-1700	plasticizer	1 quart	1	Used	
Mixing Area	Valtris Santicizer P-1700	fast-fusing plasticizer	1 Liter	1	Used	
Mixing Area	Valtris Santicizer Platinum G-2000	bio-based primary plasticizer	5 gallons	1	Used	
Office Laboratory	Vertellus Citroflex 4	plasticizer	1 Kg	1	Used	Tri-n-butyl citrate
Office Laboratory	Vertellus Citroflex A-4	plasticiizer	1 Kg	1	Used	Acetyl Tributyl Citrate
Office Laboratory	VISCOBYK -5125	viscosity depressant	32 fl oz	1	Used	Petroleum distillates
Office Laboratory	Westdry Industries Inc WD-Anti-Skin #2	anti-skinning agent	16 oz	1	Used	methyl ethyl ketoxime
Office Laboratory	Westdry Industries Inc. WD Cobalt 12%	drier product	16 oz	1	Used	Cobalt octoate, mineral sprirts, 2-ethylhexanoic acid
Storage Closet	Windex and AJAX and mouse trap	Cleaning supplies	~26 fl oz	1 each	Used	
Flammable Storage Area	Xenon XER 205	screen cleaner	58 gallons	1	Used	