

****This is a Region 5 Targeted Brownfields Assessment Funded Project****

**FINAL BUILDING MATERIALS ASSESSMENT
Tecumseh Products/Heus Manufacturing
1604 Michigan Avenue
City of New Holstein, Calumet County, Wisconsin**

Prepared for

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 5
25089 Center Ridge Road
Westlake, Ohio 44145

and

CITY OF NEW HOLSTEIN

2110 Washington Street
New Holstein, Wisconsin 53061

Prepared by



Tetra Tech, Inc.

Region 5 Superfund Technical Assessment and Response Team
1 South Wacker Drive, 37th Floor
Chicago, Illinois 60606

Approved by: _____ Date: _____

U.S. EPA Region 5 Project Manager

Contractor Organization:	Tetra Tech, Inc.
Contract Name:	START IV-TBA Program
Contract No.:	EP-S5-13-01
Technical Direction Document No.:	S05-0003-1804-202
Document Control No.:	2502
ACRES ID No.:	128501

****This is a Region 5 Targeted Brownfields Assessment Funded Project****

CONTENTS

Section	Page
1.0 INTRODUCTION	1
1.1 SITE BACKGROUND	2
1.2 OBJECTIVES OF BUILDING MATERIALS ASSMENT	4
2.0 INVESTIGATIVE METHODOLOGY	5
2.1 WIPE AND BULK CONCRETE SAMPLING	5
2.2 MOLD SAMPLING	5
2.3 LBP SCREENING	5
2.4 ACM SAMPLING	6
2.5 RESTRICTED BUILDING MATERIALS	6
2.6 SAMPLE HANDLING, TRACKING, AND CUSTODY PROCEDURES	6
2.6.1 Sample Labeling	6
2.6.2 Sample Packaging and Shipping Procedures	7
2.6.3 Quality Assurance and Quality Control Procedures	7
2.7 FIELD MEASUREMENTS AND RECORDKEEPING	7
2.8 DECONTAMINATION PROCEDURES	7
2.9 WASTE CHARACTERIZATION AND MANAGEMENT	7
2.10 ANALYTICAL METHODOLOGY	8
3.0 BUILDING MATERIALS ASSESSMENT RESULTS	9
3.1 WIPE AND BULK CONCRETE SAMPLES	9
3.2 MOLD	9
3.3 LBP SCREENING	9
3.4 ACM INSPECTION	10
3.5 RESTRICTED MATERIALS INSPECTION	10
3.6 ABATEMENT COST ESTIMATE	10
4.0 SUMMARY AND RECOMMENDATIONS	12
4.1 WIPE AND BULK CONCRETE	12
4.2 MOLD	12
4.3 BUILDING MATERIALS	12
REFERENCES	16

APPENDICES

- A FIGURES
- B TABLES
- C DATA VALIDATION REPORT

ATTACHMENTS

- 1 LABORATORY ANALYTICAL REPORTS
- 2 NORTHSTAR ENVIRONMENTAL TESTING, LLC MICROBIAL INSPECTION REPORT
- 3 NORTHSTAR ENVIRONMENTAL TESTING, LLC PRE-DEMOLITION INSPECTION:
ASBESTOS, LEAD-BASED PAINT AND RESTRICTED WASTE REPORT
- 4 NORTHSTAR ENVIRONMENTAL TESTING, LLC ABATEMENT COST ESTIMATES



1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA) tasked Tetra Tech, Inc. (Tetra Tech) to conduct a building materials assessment at the Tecumseh Products/Heus Manufacturing site, located in New Holstein, Calumet County, Wisconsin, under the Targeted Brownfields Assessment (TBA) program. The building materials assessment was conducted at the request of the City of New Holstein to document the presence or absence of asbestos-containing building materials (ACM), lead-based paint (LBP), polychlorinated biphenyls (PCB), universal wastes, and mold. This work was assigned under Superfund Technical Assessment and Response Team (START) Contract No. EP-S5-13-01, Technical Direction Document (TDD) No. S05-0003-1804-202.

The scope of work for the building materials assessment was developed based on a preliminary building inspection conducted by Tetra Tech on May 31, 2018.

The building materials assessment was conducted in accordance with the following:

- Sampling and Analysis Plan (SAP) for the Tecumseh Products/Heus Manufacturing site (Tetra Tech 2018a)
- Quality Assurance Project Plan (QAPP) for Region 5 Targeted Brownfields Assessment Projects in Indiana, Illinois, Michigan, Minnesota, Ohio, and Wisconsin (for Hazardous Substances and/or Petroleum), Revision 1 (Generic QAPP) (Tetra Tech 2014)
- QAPP Addendum for the Region 5 Targeted Brownfields Assessment Property, Tecumseh Products/Heus Manufacturing site (Tetra Tech 2018b)

The building materials assessment was completed by the following personnel:

- Carol Nissen, Tetra Tech, TBA Project Manager
- Marsha Meurette, Tetra Tech, Industrial Hygiene Technician
- Justin Button-Hutchens, Tetra Tech, Environmental Engineer
- Aaron Stroud, Northstar Environmental Testing (Northstar), Project Manager
- Jason Motkowski, Northstar, Inspector
- Ethan Turriff, Northstar, Inspector
- Joseph Gawarzewski, Tetra Tech, Quality Assurance (QA) Reviewer
- Gary Swanson, Eurofins CEI, Inc., Laboratory QA Manager
- Marti Bowers, Eurofins CEI, Inc., Laboratory QA Manager
- Sean Hayes, STAT Laboratory QA Manager.

Northstar Environmental Testing, LLC of Appleton, Wisconsin conducted the ACM, LBP, and restricted waste inspection, as well as the mold sampling. Analytical services for ACM and mold were provided by

Eurofins CEI, Inc. of Cary, North Carolina. Tetra Tech performed the sampling for PCBs. Analytical services for PCBs were provided by STAT Analysis Corporation, a minority-owned business enterprise of Chicago, Illinois.

This building materials assessment report provides an introduction to the project in Section 1.0; discusses the sampling methodology in Section 2.0; summarizes the results in Section 3.0; and presents conclusions in Section 4.0. All references cited in this report are listed following Section 4.0. Figures are presented in **Appendix A**. **Appendix B** contains the analytical summary tables for PCBs. The data validation report is provided in **Appendix C**. Laboratory analytical reports are provided in **Attachment 1**. Northstar's Microbial Inspection report is in **Attachment 2**; Pre-Demolition Inspection: Asbestos, Lead-Based Paint and Restricted Waste report is provided in **Attachment 3**; and an Abatement Cost Estimate is provided in **Attachment 4**.

The remainder of Section 1.0 provides site background information and presents the objectives of this building materials assessment.

1.1 SITE BACKGROUND

The site is located at 1604 Michigan Avenue and consists of an approximately 38.7-acre property improved with an unoccupied 435,000-square foot building constructed of a concrete slab foundation, metal/brick/concrete block framing and multiple roofing materials. The property was historically used for a machine/repair shop and manufacture of tractors, gasoline-powered engines, air-cooled engines, and outboard engines. The manufacturing/operational areas are mostly one-story with high ceilings that are approximately 15- to 20-feet high. There are also several two- and three-story finished office areas and several small test rooms for product testing. Three smaller outbuildings, two metal-clad coal sheds and one trailer used as office space, are also present on site. **Figure A-1 in Appendix A** shows the site location. **Figure A-2 in Appendix A** is a site layout map.

The site is bordered by a railroad line to the west, residential properties to the north and east, and other industrial properties to the south.

According to the review of available records, the site has been developed since 1884 for use as a machine/repair shop. Past industrial operations at the property included machining, iron foundry, painting, plastic extrusion, and chrome electroplating. The building interior currently includes a wastewater treatment plant, transformers, and a parts washer. There are large open pits in the floor, which are currently filled with water.

The building is slab-on-grade construction, with mostly flat roof areas and significant rooftop infrastructure. The building has been expanded numerous times since originally constructed; various architectural exteriors exist, including brick, metal, and wood. The southern end of the main building consists of an office area. There are loading docks at the northern end of the main building and at several locations along the western side of the buildings. A covered scrap recycling dock is also located along the western side of the main building.

In 2010, EPA conducted a site assessment to quantify and characterize the abandoned waste. Approximately 25 totes, 65 drums, 10 pits/vats/tanks, and numerous smaller containers of liquid and solid waste were at the facility. Most of the material was waste oil, some containing PCBs. Limited quantities of corrosive materials were also identified. In 2011, a chromium pit was emptied and cleaned. The wastewater tanks were steam cleaned.

Extensive soil and groundwater sampling have been performed at the site. Soil at the site contains volatile organic compounds (VOC), PCBs, polycyclic aromatic hydrocarbons (PAH), and Resource Conservation and Recovery Act (RCRA) metals at concentrations exceeding the Wisconsin Department of Natural Resources generic residual contaminant levels. Groundwater samples collected from monitoring wells at the site identified VOCs, chromium, and arsenic at concentrations exceeding Wisconsin Administrative Code NR 140 Enforcement Standards.

The interior of the building is in disrepair and vandalism has been observed. The manufacturing equipment and salvageable metal components have been removed from the building. Water leaks were noted throughout the building. The roof in the northwestern corner of the building has collapsed.

Based on the age of the building and a preliminary visual inspection performed on May 31, 2018, there is potential ACM and LBP, as well as mold, restricted wastes, and other regulated materials. Several suspect ACM and potential LBP were observed in the subject building during the site reconnaissance. Suspect ACM include: piping insulation, caulk, floor tiles, ceiling tiles, fire doors, and mastic. In addition, painted surfaces were noted during the site reconnaissance and based on the age of the building, LBP is suspected.

Several hazardous and universal waste materials were observed as well, including light bulbs and ballasts, switches, and panels.

Three transformers containing PCBs as pyranol were used at the site from 1971 through 1993, thus, PCB contamination may be present. Also, based on the building's current condition, mold is suspected to be present.

According to the City of New Holstein, portions of the building may be renovated and portions of the building may be demolished based on the end use of the site. A comprehensive asbestos inspection by a State of Wisconsin-certified asbestos inspector is required prior to any building renovation or razing of the structure(s).

Based on the results of the site reconnaissance, an ACM, LBP, restricted waste, PCB, and mold survey was recommended to identify materials that may require special handling or disposal prior to renovation or demolition activities. START and its subcontractors performed the pre-renovation/pre-demolition surveys at the site.

1.2 OBJECTIVES OF BUILDING MATERIALS ASSESSMENT

Objectives of the building materials assessment included the following:

- Document the presence or absence of PCB contamination associated with the former pyranol-containing transformers at the site
- Document the potential presence or absence of mold in the interior air.
- Inspect the site for the presence of potential ACM and collect samples, if warranted, for analysis of ACM.
- Inspect and measure building materials for the presence of LBP.
- Inspect the site for miscellaneous restricted materials.

2.0 INVESTIGATIVE METHODOLOGY

The building materials assessment included sampling various materials for PCBs and ACM, screening for LBP, and air sampling for mold. Sampling was conducted in August and September 2018. The building materials assessment methodology is described in the following sections.

2.1 WIPE AND BULK CONCRETE SAMPLING

Three transformers formerly used at the site contained pyranol, a PCB-containing fluid. The three transformers were numbered on historical documents as TR-3, TR-5, and TR-6, and were taken out of service in April 1993. Their locations are not illustrated on the historical documents. However, three new transformers (TR-18, TR-19 and TR-20) were installed in 1993. Due to the significant amount of wiring connections needed for the power systems at the site, it is likely that the new transformers were installed in the same locations as the former pyranol-containing transformers. Thus, based on the removal dates of the three former pyranol-containing transformers, and the dates of installation of replacement transformers, the locations of the former pyranol-containing transformers were assessed to coincide with new transformer locations (TR-18, TR-19 and TR-20).

To assess whether the former pyranol-containing transformers impacted the concrete and non-porous surfaces in their vicinity, Tetra Tech collected wipe and bulk samples for laboratory analysis of PCBs. The wipe samples were collected from steel posts at locations WP-01(TR-20), WP-02(TR-19), and WP-03(TR-18). Bulk concrete samples were collected from the concrete below the transformers at locations CC-01 (TR-20), CC-02 (TR-19), and CC-03 (TR-18). The samples were collected in accordance with the SAP and the QAPP Addendum and submitted to STAT Analysis Corporation for laboratory analysis of PCBs. **Figure A-2 in Appendix A** shows the locations of the bulk concrete and wipe samples.

All samples were uniquely identified, labeled, and stored on ice pending submittal to the laboratory.

2.2 MOLD SAMPLING

Northstar identified the presence of suspect visible microbial activity and potential conditions contributing to growth and collected three indoor air samples using a Spore Trap filter. The filter samples were submitted to Eurofins CEI, Inc. for laboratory analysis of mold.

2.3 LBP SCREENING

Northstar also performed a LBP inspection of the on-site building. A licensed LBP inspector trained in accordance with EPA and Wisconsin requirements used an x-ray fluorescence (XRF) spectrometer to conduct the inspection.

The LBP survey was conducted in accordance with U.S. Department of Housing and Urban Development (HUD) guidelines. The survey included a visual inspection to identify suspected material, XRF analysis of suspected material, and data recording. The objective of the testing was to identify painted surfaces with a concentration of lead above 1.0 milligrams per square centimeter (mg/cm²) by XRF analysis, the criterion established by the EPA and HUD for classification of LBP. The visual survey of interior painted surfaces was conducted to assess whether the paint was intact or damaged.

Damaged paint appears as cracked, chipped, or peeling away from the substrate as a result of moisture, wear, heat, or age. Material that did not exhibit this condition was recorded as intact. A total of 503 XRF readings were taken of painted surfaces at the site.

2.4 ACM SAMPLING

Tetra Tech’s selected subcontractor, Northstar, assessed and inspected the on-site building, sampling suspected homogenous ACM in accordance with the National Emission Standards for Hazardous Air Pollutants and Wisconsin regulations and guidelines. The building was inspected for the presence and condition of ACM by a Wisconsin-licensed asbestos inspector. Bulk building material samples were collected as necessary for confirmation analysis for suspected friable and non-friable ACM. A total of 487 building materials samples were collected and submitted to the Eurofins CEI Lab, Inc. for asbestos analysis by polarized light microscopy (PLM). Four of the samples that were analyzed by PLM had inconclusive results; therefore, they were subsequently analyzed by point count methods. Because of the dilapidated condition of the building, access to the roof was limited, thus no roof material samples were collected, but the roof is assumed to contain ACM.

2.5 RESTRICTED BUILDING MATERIALS

Northstar also visually inspected the building for restricted wastes, including universal wastes (fluorescent light bulbs and mercury switches), regulated wastes, and hazardous materials. An effort was made to categorize potential PCB-containing equipment per 40 Code of Federal Regulations (CFR) 761.2. In addition, an effort was made to quantify potentially hazardous or regulated materials during the inspection.

2.6 SAMPLE HANDLING, TRACKING, AND CUSTODY PROCEDURES

This section describes sample labeling, sample packaging, and shipping procedures, and QA/QC procedures.

2.6.1 Sample Labeling

All samples collected for laboratory analysis, including QC samples, were assigned a unique sample number per the following format in accordance with the approved SAP (Tetra Tech 2015b):

TH-matrix-XX-(Y-Z)-mmddyy

where:

- TH designates the sample is from the Tecumseh Products/Heus Manufacturing site.
- “Matrix” indicates the sample matrix: “CC” for concrete, “WP” for wipe sample
- “XX” is the location number
- “Y-Z” is the sample depth interval
- “mmddyy” indicates the month, day, and year the sample was collected.
- Field duplicate samples were designated with a field duplicate “(D)” suffix.

2.6.2 Sample Packaging and Shipping Procedures

All samples were identified, handled, tracked, and maintained under chain-of-custody procedures in accordance with the QAPP (Tetra Tech 2014). Samples were collected in laboratory-supplied sample containers and pre-preserved by the laboratory, as applicable. Baggies were used for ACM sample collection. Sample containers were tightly sealed and immediately packed on ice in coolers in an upright position. After each sample had been collected, the laboratory chain-of-custody form was completed. Sample coolers were securely taped for delivery to prevent any tampering or loss of samples and were transported directly to the laboratory with relinquish and acceptance dates and times recorded on the chain-of-custody forms.

2.6.3 Quality Assurance and Quality Control Procedures

Field QA/QC samples were obtained and submitted for analysis for the PCB sampling performed during the building assessment for use in assessing the quality of the data that resulted from the field sampling program. Field QA/QC samples included the following:

- **Duplicates:** Duplicate samples were collected in the field and submitted to the laboratory. These samples were collected at a rate of 1 per every 10 samples to measure laboratory precision and matrix variability.
- **Matrix Spike Samples:** Additional aliquots of investigative samples were provided to the laboratory at a rate of 1 per every 20 samples for matrix spike/matrix spike duplicate analysis. Analyses were performed to evaluate potential matrix interference with the analytical results.

2.7 FIELD MEASUREMENTS AND RECORDKEEPING

The field team and project manager monitored adherence to the SAP, QAPP, and QAPP Addendum (Tetra Tech 2018a; 2014; and 2018b). A field logbook and task-specific forms were maintained to document the sampling.

The date and start time were recorded at the beginning of each logbook entry. Measurements made and samples collected were recorded in the field logbook or on field forms.

2.8 DECONTAMINATION PROCEDURES

The drill bit used to collect concrete samples was decontaminated before each use, between each sampling location, and at the end of sampling activities. Decontamination methods for sampling equipment consisted of an Alconox detergent wash followed by potable water rinse.

2.9 WASTE CHARACTERIZATION AND MANAGEMENT

Disposable sampling equipment and personal protective equipment (such as gloves) were double bagged and disposed of as solid waste.

2.10 ANALYTICAL METHODOLOGY

STAT Analysis Corporation, a National Environmental Laboratory Accreditation Program (NELAP)-certified laboratory, performed the wipe and bulk concrete sample analyses for PCBs using SW-846 Method 8082. Laboratory analytical results for the bulk and wipe samples are provided as **Attachment 1**. As required in the QAPP, Tetra Tech has conducted data validation on the PCB analyses; and all data were deemed useable for the purposes of the project, with qualifications as appropriate. The laboratory data validation report is provided in **Appendix C**.

Eurofins CEI, Inc. performed the bulk asbestos analyses (polarized light microscopy with dispersion staining techniques per EPA Method 600/R-93/116 and the 400-point count technique on a representative percentage of asbestos, where applicable, by microscopic visual estimation). Eurofins CEI, Inc. also performed analysis of the Spore Trap filters for mold. Laboratory analytical results for mold and building material bulk samples are provided in the Microbial Inspection report and the Pre-Demolition Inspection: Asbestos, Lead-Based Paint and Restricted Waste and Hazardous Material Building Survey Report prepared by Northstar and provided as **Attachments 2 and 3**.

3.0 BUILDING MATERIALS ASSESSMENT RESULTS

The results of the building materials assessment are described in this section. The laboratory data packages are provided in the attachments. The laboratory data validation report is attached as **Appendix C**.

3.1 WIPE AND BULK CONCRETE SAMPLES

The wipe and bulk concrete samples collected from former transformer locations were laboratory analyzed for PCBs. The sample results were compared with Toxic Substances Control Act (TSCA) regulations. The three bulk concrete samples and the duplicate sample contained PCBs at concentrations above analytical detection limit. The three wipe samples contained PCBs at concentrations above analytical detection limit, as well. One bulk concrete sample (CC-02/TR-19) contained PCBs at a concentration exceeding the criteria for unrestricted use of 10 milligrams per kilogram (mg/kg). Two wipe samples (WP-02/TR-19 and WP-03/TR-18) contained concentrations of PCBs exceeding the criteria for unrestricted use of 10 micrograms per 100 centimeters squared ($\mu\text{g}/100\text{ cm}^2$). These concentrations do not exceed TSCA criteria.

The analytical results for bulk concrete and wipe samples are summarized in **Tables B-1 and B-2 in Appendix B**. The data were qualified based on the validation, and all data are deemed useable (see **Appendix C**). A copy of the laboratory analytical report is provided in **Attachment 1**.

3.2 MOLD

Air filter samples were collected from three separate locations at the site using Spore Trap sample collection filters. The filters were submitted for laboratory analysis of mold. The results indicate that mold spores are present in the air at elevated levels at the site. The types of mold identified include predominantly outdoor, indoor/outdoor, and water indicator. Spores identified at the site have allergenic and mycotoxin potential. There are no specific criteria for mold. Sample locations, analytical results, and details on the spore species are summarized in the Northstar Microbial Inspection report provided in **Attachment 2**.

3.3 LBP SCREENING

The XRF testing indicated the presence of LBP on each floor. The components of the building exterior, main floor, second floor, and stairways contained concentrations of lead exceeding $1\text{ mg}/\text{cm}^2$, indicating that they contain lead above regulated levels. The concrete, concrete block, or brick materials identified at the site as containing LBP at the facility include: exterior concrete foundation, exterior posts, exterior ground and wall stripes, curbs, columns, stair stringers, walls, railing and floor stripes. The metal and wood materials identified at the site as containing LBP at the facility include: posts, valves, pipes, columns, sliding doors, electrical panels, transformers, horizontal beams, ceilings, railing, door components, ladder, overhead door casing, toe kick, roof trusses, restroom stall, window components, and vault door. Sample locations, condition of paint and XRF results are summarized in the Northstar report provided in **Attachment 3**.

3.4 ACM INSPECTION

The inspection and laboratory analytical results identified 19 ACMs; plus roofing materials, electrical panels, and fire doors are presumed to be ACMs. Laboratory analytical results indicate that the following materials contain asbestos: white window glazing, black floor tile adhesive, gray door caulk, 9-inch green streak floor tile, white pipe wrap, transite siding, gray window glazing, white pipe fitting insulation, transite wall paneling, black tar (on foundation), 9-inch tan floor tile, silver air handler door gasket, brown tile adhesive (wall, ceiling), 12-inch tan streak floor tile, tan ceramic baseboard adhesive, brown vent caulk, black window tar (skylight), brown roof paper, and pipe insulation. One small testing room (Building #12 material testing office) was inaccessible at the time of the inspection. The inspection included only materials that were visible at the time of the inspection.

The remaining sampled materials were negative. Sample materials, building location, approximate quantity and the type of ACM are summarized in the Northstar report provided in **Attachment 3**. In addition, the Northstar report in **Attachment 3** summarizes materials that were identified as not containing asbestos (less than 1 percent by PLM analysis).

3.5 RESTRICTED MATERIALS INSPECTION

The restricted materials inspection revealed the presence of numerous restricted materials throughout the building, including fluorescent light bulbs, ballasts, electrical panels, transformers, mercury thermometers and thermostats, hydraulic tanks, computer monitors, heating units, chillers, gauges, tanks, generators, compressed gas, air conditioning (A/C) units, and fuel pumps.

A listing of the restricted wastes, quantities, and locations are summarized in the Northstar report provided in **Attachment 3**.

3.6 ABATEMENT COST ESTIMATE

Based on the findings of the ACM and LBP inspections performed in August and September of 2018, Northstar prepared a rough cost estimate for abatement of the ACM and LBP building materials at the site.

Asbestos Materials: An approximate budget for asbestos removal is \$100,000. The work would include the ACM identified during the inspection, but excludes assumed items such as fire doors, electrical panels, and roofing materials and other non-friable materials that may either require additional testing or may remain in place during demolition.

LBP Materials: An approximate budget for LBP abatement would be \$600,000. The work would include removing LBP from all currently confirmed LBP areas on concrete/concrete block substrates, but excludes striping on concrete floors that could not be quantified. If demolition is the selected plan for the site, the LBP does not require removal prior to disposal of the building materials.

Restricted Wastes: An approximate budget for restricted waste removal and disposal is \$150,000. The work would include removal, packaging, and disposal and/or recycling of the restricted waste items identified during the inspection. This estimate does not include any items inaccessible or hidden from view. No material testing was performed, thus assumptions were made in all cases.

Thus, the total cost to abate ACM and LBP, and remove and dispose of restricted wastes is \$850,000. A copy of Northstar's abatement cost estimate is provided as **Attachment 4**.

4.0 SUMMARY AND RECOMMENDATIONS

In August and September 2018, Tetra Tech conducted a building materials assessment for the Tecumseh Products/Heus Manufacturing site, located at 1604 Michigan Avenue, New Holstein, Calumet County, Wisconsin. This work was conducted at the request and authorization of EPA in response to a request from the City of New Holstein to perform a building materials assessment to evaluate the building for hazardous materials. The building materials assessment was completed through the TBA program and included collection of wipe, bulk concrete, air filter, and potential ACM samples from the site. In addition, the building materials assessment included screening for LBP and inspection for restricted wastes.

4.1 WIPE AND BULK CONCRETE

The building materials assessment included collection of bulk concrete and wipe samples for laboratory analysis for PCBs. Laboratory analytical results indicated that PCBs were present in all of the samples at concentrations above analytical detection limits. One bulk concrete sample (CC-02/TR-19) contained PCBs at a concentration exceeding the criteria for unrestricted use of 10 milligrams per kilogram (mg/kg). Two wipe samples (WP-02/TR-19 and WP-03/TR-18) contained concentrations of PCBs exceeding the criteria for unrestricted use of 10 micrograms per 100 square centimeters ($\mu\text{g}/100\text{ cm}^2$). These concentrations do not exceed TSCA criteria. Further testing is necessary to delineate the extent of the PCB contamination in the vicinity of the transformers and throughout the facility, depending on the end use of the site.

If the transformer areas are to be designated as high-occupancy areas, the nonporous surfaces in the vicinity of the transformers TR-18 and TR-19 should be decontaminated to address the PCBs detected on these surfaces. In addition, the concrete in vicinity of TR-19 should be decontaminated or coated with approved materials to address the PCBs detected in the concrete. If demolition of these items is performed, the materials can be disposed of in an approved municipal, non-hazardous or hazardous waste landfill.

4.2 MOLD

Air filter samples were collected from three separate locations at the site using Spore Trap sample collection filters. The laboratory analytical results indicate that mold spores are present in the air at elevated levels and have allergenic and mycotoxin potential. Based on the laboratory analytical results, respiratory protection and Tyvek suits are recommended while working inside the building. Mold-damaged building materials must be either removed or thoroughly cleaned. The remediation work must be performed in accordance the project specifications, and applicable federal, state, and local regulations.

4.3 BUILDING MATERIALS

The following sections summarize the findings of the building materials assessment and provides recommendations.

4.3.1 LBP

The building materials were screened for the presence of LBP using an XRF. The XRF testing indicated the presence of LBP on each floor. The components of the building exterior, main floor, second floor, and stairways contained concentrations of lead exceeding 1 mg/cm², indicating that they contain lead above regulated levels and is determined to be LBP. The concrete, concrete block or brick materials identified at the site as containing LBP at the facility include: exterior concrete foundation, exterior posts, exterior ground and wall stripes, curbs, columns, stair stringers, walls, and railing and floor stripes. The metal and wood materials identified at the site as containing LBP at the facility include: posts, valves, pipes, columns, sliding doors, electrical panels, transformers, horizontal beams, ceilings, railing, door components, ladder, overhead door casing, toe kick, roof trusses, restroom stall, window components, and vault door.

Because of the presence of LBP in some of the building components tested during this survey, a lead mitigation/abatement project design and work plan should be prepared prior to any demolition/renovation that may affect or disturb LBP surfaces and components. The design/work plan should include information regarding LBP locations and exposure assessment, as well as LBP waste handling, removal, and disposal. In addition, all LBP mitigation/abatement work should be performed and supervised by properly trained workers and supervisors, along with using industry-accredited contractors specializing in this type of LBP abatement under the monitoring of an environmental consultant. The mitigation and abatement work should be performed in accordance with applicable local, state, and federal regulations.

The Occupational Safety and Health Administration (OSHA) lead in construction standard states that “negative” readings do not relieve contractors from performing exposure assessments (personal air monitoring) on their employees per the OSHA lead standard, and should not be interpreted as lead is not present. This standard applies for the surfaces/components that tested negative during the LBP survey. Although a reading may indicate “negative,” airborne lead concentrations still may exceed the OSHA action level or the OSHA permissible exposure limit, depending on the work activity. Engineering control measures should be implemented in the renovation area to minimize the generation of dust and site worker and occupant exposures to lead.

If waste materials containing LBP are generated, they may be regulated as hazardous waste. LBP waste from demolition activities, such as debris, paint chips, dust, and sludges that exhibit the toxicity characteristic, must be managed and disposed of as a hazardous waste under the RCRA, except whole-building demolition debris.

Surfaces/components that were not specifically tested for LBP during this survey should be assumed and treated as LBP until tested and proven otherwise.

4.3.2 ACM

The inspection and laboratory analytical results identified 19 ACMs; plus roofing materials, electrical panels and fire doors are presumed to be ACMs. Laboratory analytical results indicate that the following materials contain asbestos: white window glazing, black floor tile adhesive, gray door caulk, 9-inch green streak floor tile, white pipe wrap, transite siding, gray window glazing, white pipe fitting insulation, transite wall paneling, black tar (on

foundation), 9-inch tan floor tile, silver air handler door gasket, brown tile adhesive (wall, ceiling), 12-inch tan streak floor tile, tan ceramic baseboard adhesive, brown vent caulk, black window tar (skylight), brown roof paper, and pipe insulation. One small testing room (Building #12 material testing office) was inaccessible at the time of the inspection. The inspection included only materials that were visible at the time of the inspection. The remaining sampled materials were negative.

Based on the presence of ACM identified during the building survey, it is recommended that an asbestos abatement design plan be prepared prior to any renovation/demolition that may disturb ACM. The asbestos abatement design plan and specifications should include information regarding the location of containments and barriers, type of sealant, and air sampling requirements and clearance during the asbestos abatement activities. The asbestos abatement design plan and specifications will be prepared and signed by a Wisconsin-licensed asbestos project designer in accordance with Wisconsin regulations. Asbestos abatement work must be conducted by a licensed abatement contractor under the supervision of a licensed asbestos project manager in accordance with all applicable federal, state, and local regulations.

Any suspect material that is discovered during renovation or demolition and was not specifically sampled during this building materials survey must be assumed and treated as ACM until tested and proven otherwise. For any ACM that will remain in the building, it is recommended that the material be properly managed to prevent any potential fiber releases in accordance with an Operations and Maintenance Plan.

4.3.3 Restricted Wastes

The restricted materials inspection of the building revealed the presence of numerous restricted materials throughout the building. These restricted materials include: fluorescent light bulbs, ballasts, electrical panels, transformers, mercury thermometers and thermostats, hydraulic tanks, computer monitors, heating units, chillers, gauges, tanks, generators, compressed gas, A/C units, and fuel pumps.

Potential PCB-containing equipment based on manufacturing date and mercury-containing universal wastes may be present in the building. Containers of varying sizes and various amounts of chemicals were identified.

All potential PCB-containing equipment (mechanical and electrical equipment manufactured prior to 1979 and light ballasts without a “NO PCBs” label) scheduled for removal must be disposed of in accordance with all federal, state, and local laws and regulations.

Universal waste, such as fluorescent light tubes, mercury-containing switches, circuit breakers, fire alarms, and thermostats, must be reclaimed and recycled in accordance with all applicable federal, state, and local laws and regulations prior to any building renovation or demolition if scheduled for removal. These materials must be properly managed as Universal Waste. Disposal of mercury-containing fluorescent light tubes as universal waste is regulated under 40 CFR 273. Disposal of mercury from other sources is regulated under 40 CFR 260-262.

A qualified contractor should be retained to remove and dispose of the hazardous chemicals in accordance with local, state, and federal regulations. Written evidence should be provided by the disposal company certifying that the hazardous waste treatment, storage, or disposal facility is approved for disposal by the EPA and state or local regulatory agencies. Any unwanted equipment or products should be disposed or

recycled according to applicable federal, state, and local regulations prior to building renovation, if required.

4.3.4 Abatement Cost Estimate

The total estimated cost to abate ACM and LBP, and remove and dispose of restricted wastes is \$850,000.

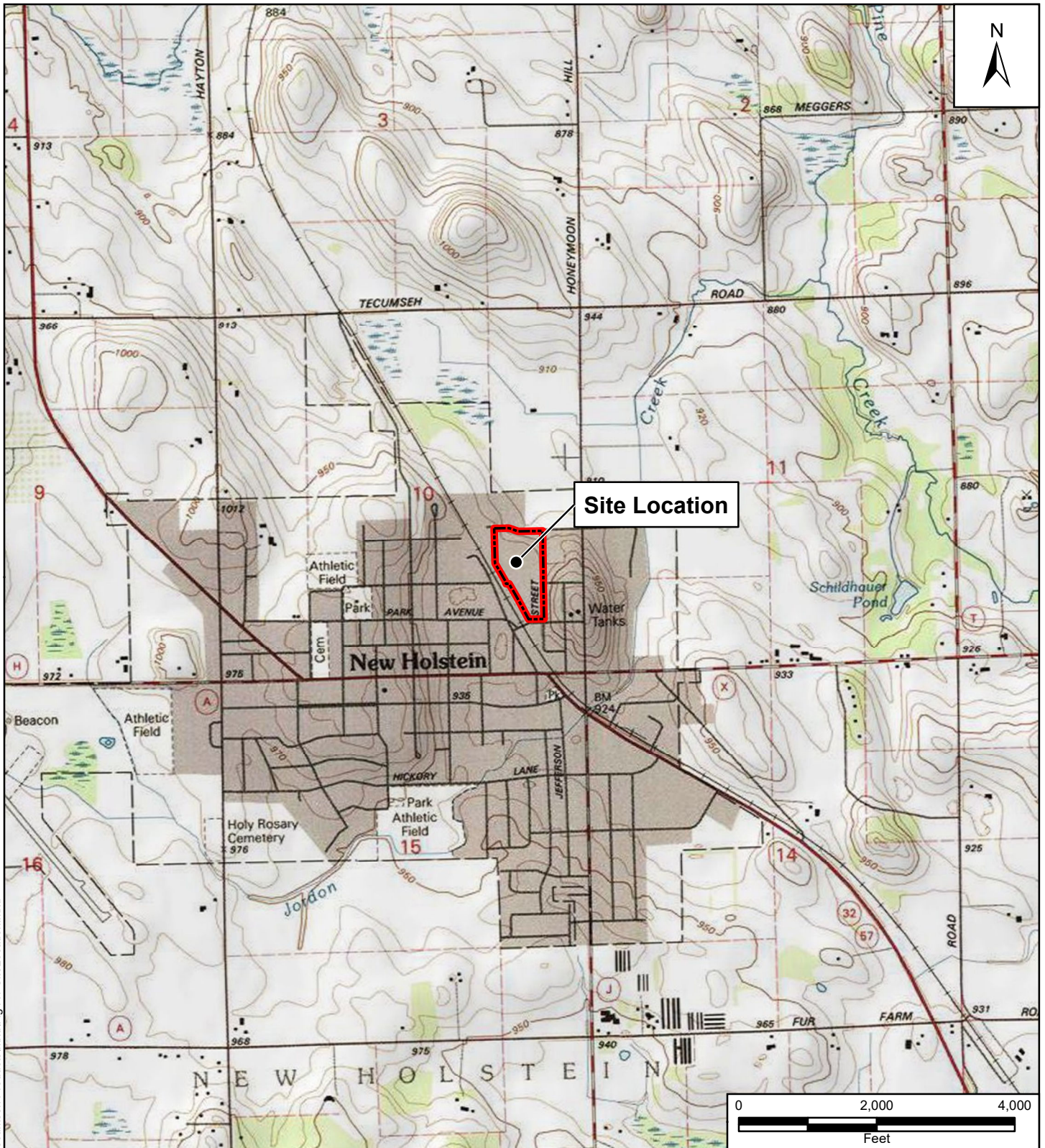
REFERENCES

- Tetra Tech, Inc. (Tetra Tech). 2014. Targeted Brownfields Assessment Grant Program Quality Assurance Project Plan (Generic QAPP) for Region 5 Targeted Brownfields Assessment Projects in Indiana, Illinois, Michigan, Minnesota, Ohio, and Wisconsin. June 30.
- Tetra Tech. 2018a. Sampling and Analysis Plan. Tecumseh Products/Heus Manufacturing Site. August.
- Tetra Tech. 2018b. Quality Assurance Project Plan Addendum, Tecumseh Products/Heus Manufacturing Site. August.
- U.S. Geological Survey (USGS). 2013. 7.5-Minute Series Topographic Map of New Holstein, Wisconsin, Quadrangle.

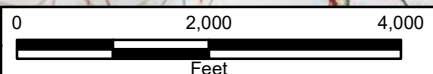
APPENDIX A
FIGURES

FIGURE A-1 SITE LOCATION MAP

FIGURE A-2 SITE MAP SHOWING CONCRETE AND WIPE SAMPLING LOCATIONS



Site Location



File Path: G:\GIG9026-START\IV\Wisconsin\Tecumseh Products\mxd\Fig-A-1-SiteLocation.mxd

Reference Map



Legend

Approximate Site Boundary

Tecumseh Products/Heus Manufacturing
 1604 Michigan Avenue
 New Holstein, Calumet County, Wisconsin

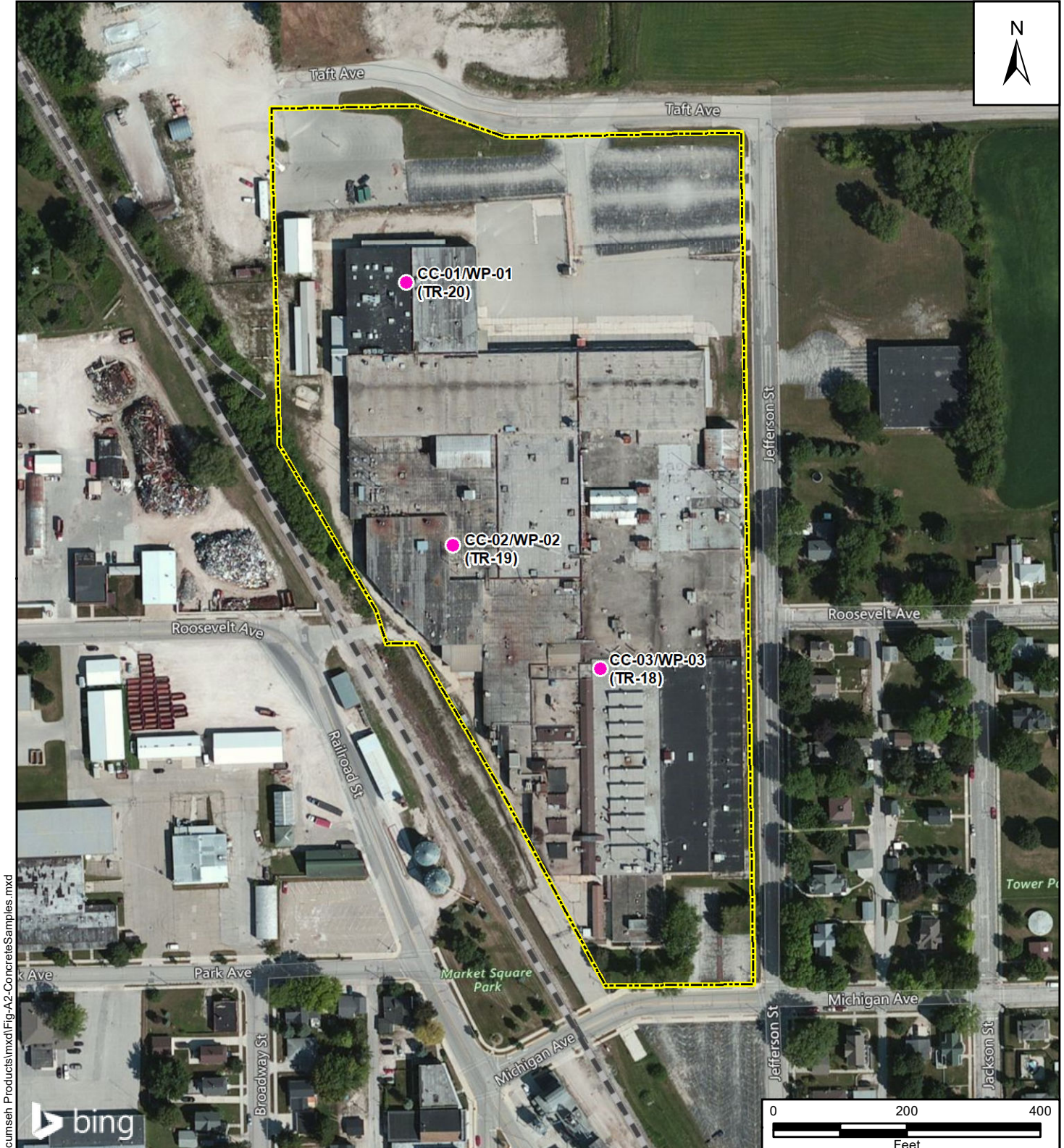
**Figure A-1
 Site Location Map**



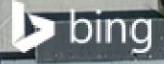
Prepared For: US EPA

Prepared By: Tetra Tech, Inc.

Source: USGS 7.5-Minute Topographic Quadrangle Map:
 New Holstein, WI 1992



File Path: G:\GIG9028-START\W\Wisconsin\Tecumseh Products\mxd\Fig-A2-ConcreteSamples.mxd



Reference Map

Legend

- Concrete and Wipe Sample Location
- Approximate Site Boundary
- CC= Concrete Sample
- TR = Transformer
- WP = Wipe Sample

Tecumseh Products/Heus Manufacturing
 1604 Michigan Avenue
 New Holstein, Calumet County, Wisconsin

Figure A-2
Site Map Showing Concrete and Wipe Sample Locations



Source: Bing Maps Hybrid, 2013

Prepared For: US EPA

Prepared By: Tetra Tech, Inc.

APPENDIX B
TABLES

TABLE B-1 SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR CONCRETE
 SAMPLES

TABLE B-2 SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR WIPE SAMPLES

TABLE B-1
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR
CONCRETE SAMPLES
TECUMSEH PRODUCTS/HEUS MANUFACTURING
NEW HOLSTEIN, WISCONSIN

Laboratory ID :		18081156-004	18081156-005	18081156-006	18081156-007
Client Sample ID :		TH-CC01-082918	TH-CC02-082918	TH-CC02-082918-D	TH-CC03-082918
Date Collected :		08/29/2018 11:30	08/29/2018 12:25	08/29/2018 12:45	08/29/2018 13:20
Analyte	Units	TR-20	TR-19	TR-19	TR-18
Aroclor 1016	mg/Kg	< 0.75	< 0.96	< 0.83	< 0.84
Aroclor 1221	mg/Kg	< 0.75	< 0.96	< 0.83	< 0.84
Aroclor 1232	mg/Kg	< 0.75	< 0.96	< 0.83	< 0.84
Aroclor 1242	mg/Kg	< 0.75	7.7 J	2.4 J	< 0.84
Aroclor 1248	mg/Kg	< 0.75	< 0.96	< 0.83	< 0.84
Aroclor 1254	mg/Kg	0.78 J+	13 J	4.3 J	8.1
Aroclor 1260	mg/Kg	< 0.75	< 0.96	< 0.83	< 0.84
TOTAL PCBs	mg/Kg	0.78 J+	20.7 J	6.7 J	8.1

Notes:

- < - less than
- CC - Concrete Sample
- J - Concentration is estimated
- J+ - Concentration is estimated and biased high
- mg/kg - Milligrams per kilogram
- PCB - Polychlorinated biphenyls
- TH - Tecumseh Products/Heus Manufacturing site
- TR - Transformer
- Concentration exceeds criteria for unrestricted use of 1 mg/kg

TABLE B-2
SUMMARY OF LABORATORY ANALYTICAL RESULTS FOR
WIPE SAMPLES
TECUMSEH PRODUCTS/HEUS MANUFACTURING
NEW HOLSTEIN, WISCONSIN

Laboratory ID :		18081156-001	18081156-002	18081156-003
Client Sample ID :		TH-WP01-082918	TH-WP02-082918	TH-WP03-082918
Date Collected :		08/29/2018 11:15	08/29/2018 12:15	08/29/2018 12:55
Analyte	Units	TR-20	TR-19	TR-18
Aroclor 1016	µg/100 cm ²	< 1.0	< 1.0	< 1.0
Aroclor 1221	µg/100 cm ²	< 1.0	< 1.0	< 1.0
Aroclor 1232	µg/100 cm ²	< 1.0	< 1.0	< 1.0
Aroclor 1242	µg/100 cm ²	< 1.0	3.6	< 1.0
Aroclor 1248	µg/100 cm ²	< 1.0	< 1.0	< 1.0
Aroclor 1254	µg/100 cm ²	1.8	36	15
Aroclor 1260	µg/100 cm ²	< 1.0	< 1.0	< 1.0
TOTAL PCBs	µg/100 cm ²	1.8	39.6	15

Notes:

- < - less than
- PCB - Polychlorinated biphenyls
- TH - Tecumseh Products/Heus Manufacturing site
- TR - Transformer
- WP - Wipe sample
- µg/100 cm² - Micrograms per 100 square centimeters
- Concentration exceeds criteria for unrestricted use of 10 µg/100 cm²

APPENDIX C
DATA VALIDATION REPORT

**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Site Name	Tecumseh Products Heus Manufacturing	TDD No.	S05-0003-1804-202
Document Tracking No.	2589	Technical Reviewer (signature and date)	<i>Jessica A. Vickers</i> September 17, 2018
Data Reviewer (signature and date)	<i>Harry N. Ellis III</i> 17 Sept 2018	Laboratory	STAT Analysis Corp./Chicago, Illinois
Laboratory Report No.	18081156	Analyses	Polychlorinated biphenyl compounds (PCB) by SW-846 Method 8082A
Samples and Matrix	Three wipe samples and four solid samples, including one field duplicate solid sample		
Field Duplicate Pairs	TH-CC02-082918/TH-CC02-082918-D		
Field Blanks	None		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with the EPA *National Functional Guidelines (NFG) for Organic Superfund Methods Data Review* (January 2017).

OVERALL EVALUATION

No results were rejected, but some results were qualified as detailed below. All results may be used as qualified based on the findings of this data validation effort.

Data completeness:

Within Criteria	Exceedance/Notes
Y	The chain of custody form requested that the solid samples be prepared by SW-846 Method 3550B; the laboratory report indicates that the solid samples were prepared using SW-846 Method 3580A. No qualifiers were applied because of this discrepancy.



**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	The laboratory report indicated “No” to the sample receipt checklist question, “Custody seals intact on sample bottles?” No further explanation was provided; no qualifications were applied to the sample results.

Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
NA	

System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
N	Recoveries of both surrogates for sample TH-CC01-082918 exceeded the laboratory’s control limits of 30 to 150 percent. Therefore, the positive Aroclor 1254 result in sample TH-CC01-082918 was qualified as estimated, possibly biased high (flagged “J+”).

MS/MSD:

Within Criteria	Exceedance/Notes
NA	MS/MSD analyses performed on non-project samples were not evaluated as part of this data validation.



**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
N	TH-CC02-082918/TH-CC02-082918-D: The relative percent difference values for Aroclor 1242 and Aroclor 1254 exceeded the acceptance limit; these results for both samples were qualified as estimated (flagged "J").

LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	No solids content results were reported for the solid samples; solid sample results appear to have been reported in wet weight. Detected results below sample reporting limits, if they occurred, were not reported.



**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 5 START CONTRACT**

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.



ATTACHMENT 1

LABORATORY ANALYTICAL REPORTS

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

September 10, 2018

Tetra Tech EM Inc.
1 South Wacker Drive
Chicago, IL 60606

Telephone: (312) 201-7700

Fax: (312) 938-0118

Analytical Report for STAT Work Order: 18081156 Revision 0

RE: 103X90260003S051804202, Tecumseh Products/Heus Manufacturing, New Holst

Dear Carol Nissen:


STAT Analysis received 7 samples for the referenced project on 8/31/2018 8:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Tetra Tech EM Inc.
Project: 103X90260003051804202, Tecumseh Products/Heus
Work Order: 18081156 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
18081156-001A	TH-WP01-082918		8/29/2018 11:15:00 AM	8/31/2018
18081156-002A	TH-WP02-082918		8/29/2018 12:15:00 PM	8/31/2018
18081156-003A	TH-WP03-082918		8/29/2018 12:55:00 PM	8/31/2018
18081156-004A	TH-CC01-082918		8/29/2018 11:30:00 AM	8/31/2018
18081156-005A	TH-CC02-082918		8/29/2018 12:25:00 PM	8/31/2018
18081156-006A	TH-CC02-082918-D		8/29/2018 12:45:00 PM	8/31/2018
18081156-007A	TH-CC03-082918		8/29/2018 1:20:00 PM	8/31/2018

CLIENT: Tetra Tech EM Inc.

Project: 103X90260003S051804202, Tecumseh Products/Heus Manuf

Work Order: 18081156 Revision 0

CASE NARRATIVE

Please refer to Analytical QC Summary Report for QC outliers.

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 10, 2018

ANALYTICAL RESULTS

Date Printed: September 10, 2018

Client: Tetra Tech EM Inc.

Project: 103X90260003S051804202, Tecumseh Products/Heus M Work Order: 18081156 Revision 0

Lab ID: 18081156-001

Collection Date: 8/29/2018 11:15:00 AM

Client Sample ID TH-WP01-082918

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs (Wipe)	SW8082A				Prep Date: 9/4/2018	Analyst: GVC
Aroclor 1016	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1221	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1232	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1242	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1248	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1254	1.8	1.0		µg/wipe	1	9/5/2018
Aroclor 1260	ND	1.0		µg/wipe	1	9/5/2018

Lab ID: 18081156-002

Collection Date: 8/29/2018 12:15:00 PM

Client Sample ID TH-WP02-082918

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs (Wipe)	SW8082A				Prep Date: 9/4/2018	Analyst: GVC
Aroclor 1016	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1221	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1232	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1242	3.6	1.0		µg/wipe	1	9/5/2018
Aroclor 1248	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1254	36	1.0		µg/wipe	1	9/5/2018
Aroclor 1260	ND	1.0		µg/wipe	1	9/5/2018

Lab ID: 18081156-003

Collection Date: 8/29/2018 12:55:00 PM

Client Sample ID TH-WP03-082918

Matrix: Wipe

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs (Wipe)	SW8082A				Prep Date: 9/4/2018	Analyst: GVC
Aroclor 1016	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1221	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1232	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1242	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1248	ND	1.0		µg/wipe	1	9/5/2018
Aroclor 1254	15	1.0		µg/wipe	1	9/5/2018
Aroclor 1260	ND	1.0		µg/wipe	1	9/5/2018

Qualifiers: ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits
 HT - Sample received past holding time E - Value above quantitation range
 * - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 10, 2018

ANALYTICAL RESULTS

Date Printed: September 10, 2018

Client: Tetra Tech EM Inc.

Project: 103X90260003S051804202, Tecumseh Products/Heus M Work Order: 18081156 Revision 0

Lab ID: 18081156-004 Collection Date: 8/29/2018 11:30:00 AM

Client Sample ID TH-CC01-082918 Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

PCBs in Solid	SW8082A (SW3580A)		Prep Date: 9/4/2018		Analyst: GVC	
Aroclor 1016	ND	0.75		mg/Kg	1	9/5/2018
Aroclor 1221	ND	0.75		mg/Kg	1	9/5/2018
Aroclor 1232	ND	0.75		mg/Kg	1	9/5/2018
Aroclor 1242	ND	0.75		mg/Kg	1	9/5/2018
Aroclor 1248	ND	0.75		mg/Kg	1	9/5/2018
Aroclor 1254	0.78	0.75		mg/Kg	1	9/5/2018
Aroclor 1260	ND	0.75		mg/Kg	1	9/5/2018

Lab ID: 18081156-005 Collection Date: 8/29/2018 12:25:00 PM

Client Sample ID TH-CC02-082918 Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

PCBs in Solid	SW8082A (SW3580A)		Prep Date: 9/4/2018		Analyst: GVC	
Aroclor 1016	ND	0.96		mg/Kg	1	9/5/2018
Aroclor 1221	ND	0.96		mg/Kg	1	9/5/2018
Aroclor 1232	ND	0.96		mg/Kg	1	9/5/2018
Aroclor 1242	7.7	0.96		mg/Kg	1	9/5/2018
Aroclor 1248	ND	0.96		mg/Kg	1	9/5/2018
Aroclor 1254	13	0.96		mg/Kg	1	9/5/2018
Aroclor 1260	ND	0.96		mg/Kg	1	9/5/2018

Lab ID: 18081156-006 Collection Date: 8/29/2018 12:45:00 PM

Client Sample ID TH-CC02-082918-D Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

PCBs in Solid	SW8082A (SW3580A)		Prep Date: 9/4/2018		Analyst: GVC	
Aroclor 1016	ND	0.83		mg/Kg	1	9/5/2018
Aroclor 1221	ND	0.83		mg/Kg	1	9/5/2018
Aroclor 1232	ND	0.83		mg/Kg	1	9/5/2018
Aroclor 1242	2.4	0.83		mg/Kg	1	9/5/2018
Aroclor 1248	ND	0.83		mg/Kg	1	9/5/2018
Aroclor 1254	4.3	0.83		mg/Kg	1	9/5/2018
Aroclor 1260	ND	0.83		mg/Kg	1	9/5/2018

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: September 10, 2018

ANALYTICAL RESULTS

Date Printed: September 10, 2018

Client: Tetra Tech EM Inc.

Project: 103X90260003S051804202, Tecumseh Products/Heus M Work Order: 18081156 Revision 0

Lab ID: 18081156-007

Collection Date: 8/29/2018 1:20:00 PM

Client Sample ID TH-CC03-082918

Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

PCBs in Solid		SW8082A (SW3580A)			Prep Date: 9/4/2018	Analyst: GVC
Aroclor 1016	ND	0.84		mg/Kg	1	9/5/2018
Aroclor 1221	ND	0.84		mg/Kg	1	9/5/2018
Aroclor 1232	ND	0.84		mg/Kg	1	9/5/2018
Aroclor 1242	ND	0.84		mg/Kg	1	9/5/2018
Aroclor 1248	ND	0.84		mg/Kg	1	9/5/2018
Aroclor 1254	8.1	0.84		mg/Kg	1	9/5/2018
Aroclor 1260	ND	0.84		mg/Kg	1	9/5/2018

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

Company: <u>Tetra Tech</u>		Project Number: <u>103 x 90260033051804202</u> Client Tracking No.:					
Project Name: <u>Tecumseh Products / Heus Manufacturing</u>		Project Location: <u>New Holstein WI</u>					
Sampler(s): <u>Justin Butten-Hutchens (JBH)</u>		Report To: <u>Carol Nissen</u>					
QC Level: 1 2 3 4 <u>X</u>		e-mail: <u>Carol.Nissen@tetratech.com</u>					
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers
TH-WF01-082918	8/29/18	1115	Wipe	X	X		1
TH-WF02-082918		1215	Wipe	X	X		1
TH-WF03-082918		1255	Wipe	X	X		1
TH-CC01-082918		1130	Solid	X	X		1
TH-CC02-082918		1225	Solid	X	X		1
TH-CC02-082918-D		1245	Solid	X	X		1
TH-CC03-082918		1320	Solid	X	X		2
Comments: PCBs (8082) PCBs (95508/80829)							
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>8/31/18 0830</u>		Laboratory Work Order No.: <u>18081156</u>			
Received by: (Signature)		Date/Time: <u>8/31/18 830</u>		Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Relinquished by: (Signature)		Date/Time:		Temperature: <u>3.4</u> °C			
Received by: (Signature)		Date/Time:		Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other			
Relinquished by: (Signature)		Date/Time:					
Received by: (Signature)		Date/Time:					

Sample Receipt Checklist

Client Name **TETRA CHICAGO**

Date and Time Received: **8/31/2018 8:30:00 AM**

Work Order Number **18081156**

Received by: **EAA**

Checklist completed by: *A. [Signature]* 8/31/18
Signature Date

Reviewed by: *Joe* 9/4/18
Initials Date

Matrix: Carrier name Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **3.4 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response: _____

CLIENT: Tetra Tech EM Inc.
Work Order: 18081156
Project: 103X90260003S051804202, Tecumseh Products/Heu
Test No: SW8082A **Matrix:** S

**QC SUMMARY REPORT
 SURROGATE RECOVERIES**

Sample ID	CL10BZ2	XYL2456CLM						
18081156-001A	91.0	90.0						
18081156-002A	69.0	69.0						
18081156-003A	78.0	86.0						
MB-111675-WIPE	111	114						
LCS-111675-WIPE	123	98.0						
LCSD-111675-WIPE	123	100						
18081156-005A	120	149						
18081156-006A	123	141						
18081156-007A	106	124						
18081156-004A	155 *	152 *						
18081183-005AMS	176 *	160 *						
18081183-005AMSD	170 *	160 *						
MB-111687-PCB	116	116						
LCS-111687-PCB	134	114						

Acronym	Surrogate	QC Limits
CL10BZ2	= Decachlorobiphenyl	30-150
XYL2456CLM	= Tetrachloro-m-xylene	30-150

* Surrogate recovery outside acceptance limits

CLIENT: Tetra Tech EM Inc.
Work Order: 18081156
Project: 103X90260003S051804202, Tecumseh Products/Heus Manufa

ANALYTICAL QC SUMMARY REPORT
GC Semivolatiles
BatchID: 111675

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAm	Sol Adde	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-111675-WIPE			1	0	0	10	10.000	9/4/2018	9/4/2018
LCS-111675-WIPE			1	0	0	10	10.000	9/4/2018	9/4/2018
LCSD-111675-WIPE			1	0	0	10	10.000	9/4/2018	9/4/2018
18081164-003A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081172-001A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081172-002A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081172-003A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081172-004A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081172-005A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081172-009A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081156-001A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081156-002A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081156-003A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081176-001A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081176-002A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-005A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-006A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-007A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-008A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-009A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-010A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18081181-011A	Wipe		1	0	0	10	10.000	9/4/2018	9/4/2018
18090052-002A	Wipe		1	0	0	10	10.000	9/5/2018	9/5/2018

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
MB-111675-WIPE	ZZZZZ	MBLK	µg/wipe	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4111969			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	ND	1.0									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	1.0									
Aroclor 1242	ND	1.0									
Aroclor 1248	ND	1.0									
Aroclor 1254	ND	1.0									
Aroclor 1260	ND	1.0									

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCS-111675-WIPE	ZZZZZ	LCS	µg/wipe	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4111974			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	10.46	1.0	10	0	105	30	150	0	0		
Aroclor 1260	9.314	1.0	10	0	93.1	30	150	0	0		

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
LCSD-111675-WIPE	ZZZZZ	LCSD	µg/wipe	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4111971			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	10.3	1.0	10	0	103	30	150	0	0	25	
Aroclor 1260	9.29	1.0	10	0	92.9	30	150	0	0	25	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Tetra Tech EM Inc.
Work Order: 18081156
Project: 103X90260003S051804202, Tecumseh Products/Heus Manufa

ANALYTICAL QC SUMMARY REPORT
GC Semivolatiles
BatchID: 111687

PREP BATCH SUMMARY

Sample ID	Matrix	pH	SampAm	Sol Adde	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-111687-PCB			0.001	0	0	10	10000.000	9/4/2018	9/4/2018
LCS-111687-PCB			0.001	0	0	10	10000.000	9/4/2018	9/4/2018
18081156-004A	Solid		0.00134	0	0	10	7462.687	9/4/2018	9/4/2018
18081156-005A	Solid		0.00104	0	0	10	9615.385	9/4/2018	9/4/2018
18081156-006A	Solid		0.0012	0	0	10	8333.333	9/4/2018	9/4/2018
18081156-007A	Solid		0.00119	0	0	10	8403.361	9/4/2018	9/4/2018
18081181-001A	Solid		0.00169	0	0	10	5917.160	9/4/2018	9/4/2018
18081181-002A	Solid		0.00166	0	0	10	6024.096	9/4/2018	9/4/2018
18081181-003A	Solid		0.00161	0	0	10	6211.180	9/4/2018	9/4/2018
18081181-004A	Solid		0.00158	0	0	10	6329.114	9/4/2018	9/4/2018
18081183-001A	Solid		0.00165	0	0	10	6060.606	9/4/2018	9/4/2018
18081183-002A	Solid		0.00173	0	0	10	5780.347	9/4/2018	9/4/2018
18081183-003A	Solid		0.0018	0	0	10	5555.556	9/4/2018	9/4/2018
18081183-004A	Solid		0.00169	0	0	10	5917.160	9/4/2018	9/4/2018
18081183-005A	Solid		0.00178	0	0	10	5617.978	9/4/2018	9/4/2018
18081185-001A	Solid		0.00193	0	0	10	5181.347	9/4/2018	9/4/2018
18081185-002A	Solid		0.00175	0	0	10	5714.286	9/4/2018	9/4/2018
18081183-005AMS	Solid		0.00179	0	0	10	5586.592	9/4/2018	9/4/2018
18081183-005AMSD	Solid		0.0018	0	0	10	5555.556	9/4/2018	9/4/2018
18090016-003A	Solid		0.0013	0	0	10	7692.308	9/4/2018	9/4/2018
18090049-001A	Oil		0.00138	0	0	10	7246.377	9/4/2018	9/4/2018
18090052-001A	Oil		0.00114	0	0	10	8771.930	9/5/2018	9/5/2018

QC SUMMARY

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
MB-111687-PCB	ZZZZZ	MBLK	mg/Kg	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4112824				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	ND	1.0										
Aroclor 1221	ND	1.0										
Aroclor 1232	ND	1.0										
Aroclor 1242	ND	1.0										
Aroclor 1248	ND	1.0										
Aroclor 1254	ND	1.0										
Aroclor 1260	ND	1.0										

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
LCS-111687-PCB	ZZZZZ	LCS	mg/Kg	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4112825				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	12.91	1.0	10	0	129	30	150	0	0			
Aroclor 1260	9.586	1.0	10	0	95.9	30	150	0	0			

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:				
18081183-005AMS	ZZZZZ	MS	mg/Kg	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4112815				
Analyte		Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	15.04	0.56	5.587	0	269	30	150	0	0			S
Aroclor 1260	7.779	0.56	5.587	0	139	30	150	0	0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Tetra Tech EM Inc.
Work Order: 18081156
Project: 103X90260003S051804202, Tecumseh Products/Heus Manufa

ANALYTICAL QC SUMMARY REPORT

GC Semivolatiles
BatchID: 111687

Sample ID:	Customer ID:	SampType:	Units:	TestNo:	Prep Date:	Analysis Date:	Run ID:	SeqNo:			
18081183-005AMSD	ZZZZZ	MSD	mg/Kg	SW8082A	9/4/2018	9/5/2018	GC-ECD3_180904A	4112821			
Analyte	Result	PQL	SPK value	SPK Ref Val	% REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	19.38	0.56	5.556	0	349	30	150	15.04	25.2	25	SR
Aroclor 1260	10.78	0.56	5.556	0	194	30	150	7.779	32.4	25	SR

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
 * - Non Accredited Parameter H/HT - Holding Time Exceeded

ATTACHMENT 2

**NORTHSTAR ENVIRONMENTAL TESTING, LLC
MICROBIAL INSPECTION REPORT**



Central Wisconsin Office:

1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:

1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:

1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

MICROBIAL INSPECTION

Tetra Tech

Site:

Tecumseh (former)
1604 Michigan Avenue
New Holstein, WI 53061

Work Area:

Representative Sampling

Inspection Date: September 7, 2018

Report Date: October 3, 2018

NorthStar No. 180-755

Submitted By:
NorthStar Environmental Testing, LLC.



Central Wisconsin Office:
 1006 Western Avenue
 Mosinee, WI 54455
 Tel: 715.693.6112
 Fax: 715.693.1225

Fox Cities Office:
 1835 E. Edgewood Drive
 Suite 10542
 Appleton, WI 54913
 Tel: 920.422.4888

Madison Office:
 1310 Mendota Street
 Suite 121
 Madison, WI 53714
 Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 3, 2018

Tetra Tech
 c/o Carol Nissen
 1 S. Wacker Drive
 Suite 3700
 Chicago, IL 60606

Project:	Microbial Inspection
Site Info:	Tecumseh (former) 1604 Michigan Avenue New Holstein, WI
Work Area:	Representative Sampling
NorthStar No:	180-755

NorthStar Environmental Testing, LLC (NorthStar) was authorized by Tetra Tech to perform a limited indoor air quality assessment and sampling within representative areas of the former Tecumseh facility in New Holstein, Wisconsin.

Our scope of services included:

- General visual assessment for the presence and extent of any microbial activity within the affected areas of the building as directed by the client.
- Collection & analysis of applicable microbial samples.
- Preparation of a summary report.

PROJECT DISCUSSION:

Testing Date:	September 7, 2018
Building/Site:	1604 Michigan Avenue New Holstein, WI
Area Info:	Representative Sampling

Aaron Stroud of NorthStar completed a site assessment on September 7, 2018. Background information for the property was provided by Carol Nissen of Tetra Tech, and access to the property was gained via lockbox. Sampling was requested due visible suspect mold growth and water infiltration due to multiple roof leaks.

The structure is a single-story industrial facility with concrete slab foundation. Primary building components in the area include steel framing and built-up roofing materials. Office areas contain vinyl floor tile, drywall walls and suspended ceiling tiles.

At the time of inspection, visible water damage & standing water were noted within the immediate area. A strong musty odor was also noted.

The results of the air sampling revealed **elevated levels of airborne microbial activity** within the building when compared to general industry standards.

SAMPLING SUMMARY:

Samples Collected:	3 spore-trap air samples
Results:	- elevated airborne spore levels
Sampling Tech:	Aaron Stroud
Analysis Date:	September 17, 2018
Laboratory Info:	Eurofins CEI, Inc. AIHA#103025

AIR SAMPLE RESULTS:

Sample ID	Location	Result (total sp/m ³)	Comment
755-1	Building #1 - Offices	29,000	elevated spore levels <i>Stachybotrys</i> present
755-2	Building #3C - Office	26,000	elevated spore levels
755-3	Building #10 - Center	16,000	elevated spore levels

result in spore per cubic meter

See the attached sampling report for complete sample & analysis data.

Sample results indicate **elevated spore levels** within the building when compared to general industry standards. Typically, the threshold level for appropriate indoor air quality is between 1,000 and 1,500 sp/m³. Microbial species detected included a variety of spore types, as is common for this geographic region and season. ***Stachybotrys*** type spores, typically associated with water damage, were also identified.

SUMMARY OF SITE OBSERVATIONS:

Building Area:	Description of Visible or Discovered Microbial Activity:	
Building #1 – Offices (sample 755-1) (photo 1)	- Visible standing water or water staining - Musty odor detected - Elevated surface moisture identified - Visible microbial growth identified - High humidity levels identified	
Building #3C – Office (sample 755-2) (photo 2)	- Visible standing water or water staining - Musty odor detected - Elevated surface moisture identified - Visible microbial growth identified - High humidity levels identified	
Building #10 – Center (sample 755-3) (photo 3)	- Visible standing water or water staining - Musty odor detected - Elevated surface moisture identified - Visible microbial growth identified - High humidity levels identified	
Exterior	- Multiple roof leaks.	
	Temperature: 65.1° F	Humidity: 50.8%

RECOMMENDATIONS:

Specific Recommendation:

Currently, there are elevated levels of airborne microbial spores within the building. Respiratory protection and Tyvek suits are recommended while working inside the building.

General Recommendation:

- In general, when remediation or cleaning procedures are necessary they should: be conducted by a professional contractor utilizing EPA approved and industry standard techniques; and be performed by trained individuals using personal protective equipment including protective clothing and respiratory protection.
- HEPA filtration must be utilized on applicable vacuum units or negative pressure enclosure systems.
- At the completion of any remediation activity, it is advisable to conduct visual inspection and air or surface sampling to confirm the effectiveness of the cleaning/remediation.

SAMPLING PROTOCOL:

Sampling for airborne microbial activity was performed with a spore-trap type cassette utilizing a calibrated air sample pump. Total sampling time is 5 to 10 minutes depending on existing perceived conditions for a total air sample volume of 100 to 200 liters of air. Samples are sealed for shipment to the laboratory.

When necessary, additional surface sampling may be performed using a prepared culture swab or tape sampling method. The swab or tape is applied over the affected area, returned to its container and sealed for shipment to the laboratory. Analysis is performed following culturing of the swab sample or direct microscopic analysis of the tape sample.

REMARKS:

The investigation was limited to spaces made accessible to us by the client. As microbial levels and growth patterns are subject to continual change, the testing and conclusions made are valid only for the actual time of our site visit. The building owner should be aware that variability of microbial levels is common over time and at various locations.

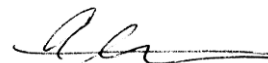
The testing performed and subsequent report has been performed according to applicable generally accepted industry standards and practices in this locality under similar conditions. Information provided to us by building owner/occupant, client or other interested party that may have been utilized in the performance and reporting of the testing was accepted in good faith and can only be assumed to be accurate. The findings and recommendations made are representative of our professional opinion based on currently available information; no other warranty is implied or intended.

Please contact us if you have any questions regarding the presented information or the project in general.

Sincerely,
NorthStar Environmental Testing, LLC.



David Barrett
Senior Project Manager



Aaron Stroud
Operations Manager

attach: laboratory analysis
photo log
glossary of microbial spores

AIR SAMPLE RESULTS



MOLD SPORE TRAP REPORT: NONVIABLE DIRECT MICROSCOPY

CLIENT NorthStar Environmental Testing, LLC. Lab Code: 1182240
 1006 Western Ave Date Received: 09-11-18
 Mosinee, WI 54455 Date Analyzed: 09-13-18
 Date Reported: 09-17-18

PROJECT: Tetra Tech; 180-755

Client ID	755-M1				755-M2				755-M3			
	Lab ID	M87071			M87072			M87073				
Location	Building #1 - Offices				Building #3C - Office				Building #10 - Center			
Volume (L)	150				150				150			
IDENTIFICATION	Raw Counts	% Analyzed	Spores per m ³	% of Total	Raw Counts	% Analyzed	Spores per m ³	% of Total	Raw Counts	% Analyzed	Spores per m ³	% of Total
<i>Alternaria</i>					3	100	20	<1				
<i>Arthrinium</i>	1	100	7	<1								
Ascospores	11	100	73	<1	118	4	19667	76	43	100	287	2
Basidiospores	103	21	3270	11	120	25	3200	12	134	11	8121	50
<i>Bipolaris/Drechslera</i>												
<i>Cercospora</i>												
<i>Curvularia</i>												
<i>Epicoccum</i>												
<i>Helicomyces*</i>												
<i>Nigrospora</i>									1	100	7	<1
<i>Oidium/Peronospora</i>	1	100	7	<1								
<i>Periconia/Smuts**</i>	1	100	7	<1								
<i>Pithomyces</i>	1	100	7	<1	1	100	7	<1				
Rusts												
<i>Spegazzinia</i>												
<i>Stemphylium</i>												
<i>Tetraploa</i>												
<i>Torula</i>					4	100	27	<1	2	100	13	<1
Unspecified spores	10	100	67	<1					19	100	127	1
Indoor / Outdoor												
<i>Aspergillus/Penicillium</i>	138	4	23000	79	374	100	2493	10	256	25	6827	42
<i>Cladosporium</i>	109	29	2506	9	51	100	340	1	118	100	787	5
<i>Fusarium</i>												
Water Indicator												
<i>Chaetomium</i>												
<i>Stachybotrys</i>	18	100	120	<1								
<i>Trichoderma</i>												
<i>Ulocladium</i>												
Total	390		29000	100%	670		26000	100%	570		16000	100%
Background Debris	2				2				2			
Pollen Count	5				7				1			
Mycelial Fragments	43				2				4			
Analytical Sensitivity (Spores/m ³)	7				7				7			

* *Helicomyces* includes *Helicosporium*; ** *Periconia/Smuts* includes *Myxomycetes*
 Spores per m³ (final counts) reported to 2 significant figures
 Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.
 If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

ANALYST: Lauren Campbell
 Lauren Campbell

REVIEWED BY: Tianbao Bai
 Tianbao Bai, Ph.D., Laboratory Director

SPORE CLASSIFICATION:

For purposes of this report, identified mold spores are classified into three general categories depending on environmental conditions the spore is most commonly associated with:

- 1) **PREDOMINANTLY OUTDOOR:** Most commonly found growing outdoors and are not usually associated with indoor mold sources.
- 2) **INDOOR / OUTDOOR:** Commonly grow in both indoor and outdoor environments.
- 3) **WATER INDICATOR:** Most commonly associated with indoor mold growth in buildings with long-term water intrusion issues.

**PREDOMINANTLY
OUTDOOR**

INDOOR / OUTDOOR

**WATER
INDICATOR**

BACKGROUND DEBRIS:

Background debris is the amount of non-biological particulates present in the trace including dust, fibers, skin scales, dust mites, and insect parts. A debris rating is assigned each trace from 0 (lowest) to 5 (highest). A higher debris rating means samples are more difficult to analyze, and spores, especially smaller spores like *Aspergillus* / *Penicillium*, may be obscured. Counts with debris ratings of 4 or 5 should be regarded as minimal counts with actual counts assumed to be significantly higher. A further explanation of the debris rating is listed below:

- 0 - None Detected.** No debris observed.
- 1 - Trace.** Field of view obscured < 5%. Counts unaffected.
- 2 - Light.** Field of view obscured 5% to 25%. Counts slightly affected.
- 3 - Moderate.** Field of view obscured 25% to 75% . Actual counts may be higher than reported counts.
- 4 - Heavy.** Field of view obscured 75% to 90% . Actual counts may be significantly higher than reported counts.
- 5 - Very Heavy.** Field of view obscured > 90% . Actual counts may be significantly higher than reported counts. Resampling may be necessary.

DEFINITION OF TERMS:

Analytical Sensitivity: Spore per cubic meter (concentration) divided by raw count.

Limit of Detection: One Spore

Mycelial Fragments: Mycelial fragments are broken pieces of fungal hyphae and constitute the vegetative structure of the fungus.

Pollen Count: Pollen grains (Pollen) are the male reproductive structures of Angiosperm plants. These are counted only as pollen and not classified to Genus level.

Raw Counts: The number of spores counted by the analyst.

% Analyzed: The amount of the trace that was analyzed for each individual spore type. If large amounts of any spore type(s) exist, counts may be extrapolated.

% of Total: Percentage of the sample that is made up of each spore type.

INDOOR AND OUTDOOR COMPARISONS:

There are no current Federal standards regarding permissible levels of airborne fungi that may be present in buildings. Mold spores are ubiquitous to our planet and it is expected that some spores will be present in normal indoor environments. A general guideline that is widely accepted in the industrial hygiene industry is that the types and numbers of mold spores present in the indoor environment should be similar to those present in the outdoor environment. If inside spore counts are significantly higher than outside counts this may indicate a potential mold problem. The comparison of outdoor and indoor spore types and concentrations is a useful tool in assessing abnormal mold contamination; however, it should not be the sole determining factor in evaluating health risks and remediation strategies.

	SPORE NAME	COMMON HABITAT	ALLERGENIC POTENTIAL	MYCOTOXIN POTENTIAL
Predominantly Outdoor	<i>Alternaria</i>	Soil, seeds, plants, carpet, textiles, window frames, air	X	X
	<i>Arthrinium</i>	Soil, plant materials, decaying wood	X	
	Ascospores	Plants, soil, cellulose-containing materials, air		
	Basidiospores	Soil, plants, wood, cellulose-containing materials, air		
	<i>Bipolaris/Drechslera</i>	Grasses, plant material, decaying food, soil		
	<i>Cercospora</i>	Plants		
	<i>Curvularia</i>	Soil, plant materials, cellulose-containing materials	X	
	<i>Epicoccum</i>	Plants, soil, seeds, carpet, air	X	
	<i>Helicomyces*</i>	Plants		
	<i>Nigrospora</i>	Plants, soil		
	<i>Oidium/Peronospora</i>	Plants		
	<i>Periconia/Smuts**</i>	Plants, air	X	
	<i>Pithomyces</i>	Soil, plant material, air		
	Rusts	Grasses, trees, other plants	X	
	<i>Spegazzinia</i>	Soil, plants		
	<i>Stemphylium</i>	Dead plants, cellulose-containing materials		
	<i>Tetraploa</i>	Plants		
	<i>Torula</i>	Soil, plants		
Unspecified spores	Various			
* <i>Helicomyces</i> includes <i>Helicosporium</i> ; * <i>Periconia/Smuts</i> includes <i>Myxomycetes</i>				
Indoor / Outdoor	<i>Aspergillus/Penicillium</i>	Soil, food, carpet, HVAC, air	X	X
	<i>Cladosporium</i>	Plants, woody plants, food, soil, paint, textiles, carpet, HVAC, air	X	
	<i>Fusarium</i>	Soil, plants, seed, fruits, grains		X
Water Indicator	<i>Chaetomium</i>	Cellulose-containing materials, soil, seeds, dung	X	X
	<i>Stachybotrys</i>	Paper, wallpaper, gypsum board	X	X
	<i>Trichoderma</i>	Soil, decaying wood, plant material, cellulose-containing materials	X	X
	<i>Ulocladium</i>	Soil, grasses, wood, paper		

PHOTO LOG



Photo 1: Building #1 - Offices



Photo 2: Building #3C - Office



Photo 3: Building #10 - Center

Glossary of Microbial Species

Predominantly Exterior:

Alternaria

Alternaria are widespread in the environment and are normal agents of decay and decomposition. The spores are airborne and common outdoors than indoors isolated from plants, soil, and food. Indoors, the spores are found in house dust, carpets, textiles, wallboard and window frames. The production of melanin-like (black) pigment is one of its major identifying characteristics. The club-shaped spores (conidia) are single or in long chains. They can grow thick colonies which start as grayish-white surfaces and later darken to greenish black or olive brown colors.

Health Effects: Allergies are common, but serious infections are rare, except in people with compromised immune systems. Certain species of this genus are often prolific producers of a variety of toxic compounds whose effects on human health are not well known.

Arthrimum

Arthrimum is a cosmopolitan (common) filamentous fungus isolated from plant debris and soil having approximately 20+ species. It is widespread in the environment and commonly dispersed by wind. Grows well under favorable conditions. IAQ significance: It will grow in the same conditions as Stachybotrys (wet cellulose) and amplified amounts in indoor air could be a warning that conditions do exist for Stachybotrys growth. It grows rapidly, reaching a colony size of 3 to 9 cm in diameter following incubation at 77°F for 7 days on potato glucose agar. The colonies are woolly to cottony and white with brown spots on the surface. The reverse side is pale. It is a contaminant, found commonly on dead plants and in soil. Rarely found growing indoors.

Health Effects: It is a potential allergen, No toxins from this mold have been reported.

Ascospores

Ascospores are spores formed inside an ascus (asci-plural) or sac-like cell which is contained inside a fruiting body called an ascocarp or an ascoma (ascomata-plural). An ascus typically contains a definite number of ascospores, usually eight. Ascospores are unique in shape, size, and color as to the Genus/species they represent. These spores are specific to fungi classified as Ascomycetes. They are ubiquitous (widespread) in nature. Many decay organic matter, others are plant or animal pathogens. They can grow indoors on damp materials. Transportation of ascospores are common by forcible ejection and dispersed by wind, water, animals and other agents.

Health Effects: Depending on the Genera, Ascospores may be allergenic.

Basidiospores

Basidiospores are reproductive spores produced by a group of fungi called basidiomycetes. This group includes the mushrooms, shelf fungi and various other macrofungi. Basidiospores serve as the main air (wind) dispersal units for the fungi and their release is dependent upon moisture. The structure of the spore complex can develop in various manners resulting in different appearances. It is often found growing in soil, decaying plant debris, compost piles and fruit rot. Indoors, it can be found on water damaged building materials (chipboard /OSB, plywood, wallpaper, and glue) as well as on food items (dried foods, cheeses, fruits, herbs, spices, cereals).

Health effects: Some basidiospores may produce toxins and can act as allergens. They have not been reported to be pathogens.

Bipolaris/Drechslera

Bipolaris, Drechslera, and Helminthosporium are found on grasses, grains, various plants, and decaying food. They tend to grow in semi-dry environments and some species can be found indoors. Because of their microscopic similarities, these three genera are grouped together on both viable and non-viable analysis. Microscopically, the spores are cylindrical, fusiform, or club-shaped with protrusions.

Health Effects: Can cause hay fever and asthma, allergic fungal sinusitis, and pathogenic sinusitis.

Cercospora

Cercospora is a cosmopolitan (common), fungus isolated from agricultural areas, especially during harvest. Several species of this genus cause plant diseases, mostly forms of leaf spot. The spores are colorless or pale, smooth, cylindrical often with a broad end point or almost club-shaped.

Health effects: The health effects of this spore are not well documented or studied.

Curvularia

Curvularia is a ubiquitous (widespread) fungus commonly found with dead plant material. It is often found outside growing in soil, seeds, plant litter, and decaying plants as well as on leaves. Indoors, it is found on a variety of building materials, especially those with cellulose surfaces. Colonies are expanding with olive-green to brown or black, with pinkish gray color and woolly or hairy in texture. The conidia (spores) are large and appear curved due to expanded central cells. This feature and the presence of edge to edge septations on the conidia walls distinguishes *Curvularia* from *Biopolaris*.

Health Effects: This mold is a potential allergen. Some people may experience hay fever, asthma and or allergic fungal sinusitis.

Epicoccum

Epicoccum is a cosmopolitan (common) fungus that is often found growing outside in soil, plant litter, decaying plants, and damaged plant tissue. Indoors, it can be found growing on a variety of building materials including paper and textiles. Colonies have a rapid growth rate with cottony texture, initially yellow or orange becoming brown to black in color. Conidiophores or fruiting bodies produce dense masses where conidia (spores) arise. Spores are round to pear-shaped, smooth to warty, brown to black in color and muriform (partitioned in both directions, like a soccer ball).

Health Effects: This mold can act as a potential allergen. Some people may experience hay fever and or asthma. This mold has not been linked to any human or animal infection.

Helicomyces/Helicosporium

A genus of hyphomycetous fungi which have a creeping mycelium with short, erect, dark-colored conidiophores bearing curled or spiral, hyaline or colored septate spores. About 40 species have been described. They occur mostly on decaying wood.

Health Effects: No information is available regarding health effects or toxicity.

Nigrospora

Nigrospora is a ubiquitous (widespread), filamentous, dark colored fungus commonly isolated from soil, decaying plants, and seeds. Indoors, it is considered a laboratory contaminant. Colonies grow rapidly, initially white and woolly, later turning gray with black areas, and eventually turning black (both front and reverse). Its conidia are black, solitary, unicellular, slightly flattened horizontally, and have a thin equatorial germ slit.

Health Effects: This mold may be a potential allergen. It is uncertain whether it is pathogenic to humans.

Oidium /Peronospora

Peronospora and *Oidium* are plant pathogens that cause downey or powdery mildew (a disease that affects a wide range of plants). Both affect the leaves, stems, flowers, and fruits of plants and trees. They have distinctive morphologies. The spores may also be seen in dust as part of the normal influx of outdoor microbial particles.

Health Effects: No information is available regarding health effects or toxicity.

Periconia/ Smuts /Myxomycetes

Smuts, Periconia, and Myxomycetes spores are grouped together due to their similar round, brown morphology. Smuts are outdoor parasitic plant pathogens. They rarely grow indoors but may grow on host plants if appropriate conditions are present. They are parasitic plant pathogens. They can be found on cereal crops, grasses, flowering plants, weed, and other fungi. They can cause allergies. Periconia are found in soils, dead herbaceous stems and leaf spots, and grasses. They have wind dispersed dry spores. Their spores are abundant in the air but it is not known if they are allergenic. Myxomycetes are found on decaying logs, stumps and dead leaves. They have wind-dispersed dry spores and wet motile (amoebic phase) spores. During favorable conditions they move about like amoebae. They form dry airborne spores when conditions are unfavorable. They are rarely found indoors.

Health Effects: They may cause Type 1 allergies (hay fever, asthma). No human infections have been reported.

Pithomyces

Pithomyces is a cosmopolitan (common), dark-walled fungus often found growing outside in soil, decaying leaves, and grasses. It is rarely found growing indoors, but will grow on paper given the right conditions. Colonies grow rapidly, cottony in texture with light to dark brownish black surface color. Spores are single, oval yellow to dark brown, multi-celled, and usually rough. One identification feature of the spores is the resemblance to barrels. Another identifying character is beak-like structures on young spores. Spores of *Pithomyces chartarum* are most common and are identified by distinctive transverse septa. This species has been linked to facial eczema in sheep.

Health Effects: It is a potential but not well-studied allergen or human pathogen.

Rusts

Rusts are of the order Uredinales. Certain species produce spores that are often reddish in color and resemble the corrosion process known as rust. This is how this group derived its common name-Rusts. The spores are airborne and can travel long distances. Some spores slightly resemble Smuts. Rusts are plant parasites and may require two or more different plant hosts to complete their life cycle. Their complex life cycle includes production of five different spore stages. Their infection rate is enhanced by wet weather.

Health Effects: Rusts can cause allergen type I allergies (hay fever, asthma). No human infection and known toxins have been reported.

Spegazzinia

Spegazzinia is a genus of mitosporic Ascomycota. The widely distributed genus contains seven species. This genus is somewhat related to other lobed or ornamented genera such as *Candelabrum*. *Spegazzinia* is usually identified on spore trap samples where it is seen every few weeks (spores have very distinctive morphology). It may also be found in air by culturable (Andersen) samples if a long enough incubation period is provided so that sporulation occurs. Laboratories have never found this organism growing on indoor environmental surfaces. Natural habitat includes soil and many kinds of trees and plants.

Health Effects: No information is available regarding health effects or toxicity. Allergenicity has not been studied.

Stemphylium

Stemphylium is a dark colored, filamentous plant pathogen isolated from soil and widely distributed on decaying vegetation as well. Colonies are grown rapidly, gray, brownish black, or black, with cottony to velvety texture. Spores are single, light brown to black in color, muriform, smooth to rough walled, oblong or sub-spherical and rounded at the tip, and constricted in the center. The presence of a broad scar at the base is distinctive of this spore.

Health Effects: Stemphylium may cause some mycotic infection in humans.

Tetraploa

Tetraploa species comprise a very small proportion of the fungal biota. This genus is somewhat related to Triposporium and Diplocladiella. Usually identified on spore trap samples where it is seen every few weeks. Spores have very distinctive morphology. Laboratories have never found this organism growing on indoor environmental surfaces. Natural habitat includes leaf bases and stems just above the soil on many kinds of plants and trees.

Health Effects: No information is available regarding other health effects or toxicity. Allergenicity has not been studied.

Torula

Torula mold is widespread and common. It grows well on general cellulose surfaces but spores may take special nutrients to develop or may be completely absent. Often found growing in soil, dead herbaceous stems, wood, grasses, sugar beet root, groundnuts and oats. Grows indoors on cellulose containing materials such as jute, old sacking, wicker, straw baskets, wood, and paper.

Health Effects: Some people may experience hay fever or asthma. Rare cases reported of phaeohyphomycotic sinusitis.

Interior/Exterior:

Aspergillus/Penicillium

Penicillium and Aspergillus are ubiquitous (widespread), filamentous fungi that are found in soil, decaying plant debris, compost piles, and in the air. Indoors, spores are commonly found in house dust, in water-damaged buildings (wallpaper, wallpaper glue, decaying fabrics, moist chipboards, and behind paint) as well as fruit and grains. They are the most common fungal species worldwide. Both produce chains of spores that are small, round to oval, colorless or slightly pigmented, and smooth to rough walled. These spores are indistinguishable between the two as well as other genera, such as Gliocladium, Trichoderma, Paecilomyces, and Scopulariopsis. They differ as to their conidiophores or fruiting bodies. While, Aspergillus spores are produced from phialides supported on conidia heads or swollen vesicles, Penicillium spores are produced on finger-like projections. Depending on species, typical colonies of Aspergillus are initially white and later turn to either shades of green, yellow, orange, brown or black. Texture is usually velvety to cottony. Typical colonies of Penicillium, other than Penicillium marneffeii (yeast-like at 37°C), grow rapidly, white in color at first, later becoming bluish green with white borders with velvety to powdery textures depending on species. Some species produce radial patterns.

Health Effects: Both Aspergillus and Penicillium are potential allergens. Several species of Aspergillus (*A. flavus* and *A. parasiticus*) produce aflatoxins or naturally occurring mycotoxins that are toxic and carcinogenic. These are found in contaminated foodstuff and are hazardous to consumers. Penicillium has only one known species that is pathogenic to humans (*P. marneffeii*) that causes lethal systemic infection (Penicilliosis) in immune compromised individuals.

Cladosporium

Cladosporium is the most common indoor and outdoor mold. The spores are wind dispersed and are often extremely abundant in outdoor air. Many species are commonly found on living and dead plant material. Indoors, they may grow on surfaces with high moisture or high humidity levels such as damp window sills, poorly ventilated bathrooms and soiled refrigerators. It produces powdery or velvety olive-green to brown or black colonies. The conidia (spores) vary depending on the species and are formed in simple or branching chains with multi-attachment points.

Health Effects: Cladosporium species are rarely pathogenic to humans, but have been reported to occasionally cause sinusitis and pulmonary infections as well as infections of the skin and toenails. The airborne spores are significant allergens, and in large amounts they may severely affect asthmatics and people with respiratory diseases.

Fusarium

Fusarium is a large genus of filamentous fungi widely distributed in soil and in association with plants. Most species are harmless saprobes, and are relatively abundant members of the soil microbial community. Some species produce mycotoxins in cereal crops that can affect human and animal health if they enter the food chain. The main toxins produced by these Fusarium species are fumonisins and trichothecenes.

Health Effects: Some species may cause a range of opportunistic infections in humans. In humans with normal immune systems, fusarial infections may occur in the nails and in the cornea. Occasionally, in people whose immune systems are weakened in a particular way, aggressive fusarial infections may penetrate the entire body and bloodstream.

Water Damage:

Chaetomium

Chaetomium is a genus of ascomycete fungi. It is a cosmopolitan (common), dark colored fungus (grayish-green to brown) commonly isolated from soil, seeds, dung, wood, and straw materials. Indoors, it is very commonly found on damp sheetrock and paper or cellulose-containing materials. There are certain characteristics such as color, shape, and size of the *Chaetomium* ascospores, asci, and ascomata that are unique in identification of the different species. Wind, insects, and water aid dispersal of spores. Due to their large size, they settle out of the air after just a few minutes. As a consequence, airborne mold levels are usually low even in infested environments. Due to this, exposure levels are likely to be low as well.

Health Effects: *Chaetomium* does produce a variety of mycotoxins called chaetoglobsins, whose health effects on humans are unknown. Due to its toxigenic nature, special precautions may be required during remediation.

Stachybotrys

Stachybotrys is known as black mold or toxic black mold. It is a worldwide, filamentous fungus that is commonly found growing on water damaged materials such as ceiling tiles, insulation, wallpaper, wood, and sheetrock. It is highly cellulolytic (has the capacity to degrade cellulose) and commonly isolated on wet materials containing cellulose, such as wallboard, jute carpet backing along with associated glues, straw baskets, and paper materials. The spores are slimy, ellipsoidal to subspherical in shape, single-celled, gray to black in color, and smooth to rough walled. They usually form in clusters on the phialides. Colonies have a powdery to cottony texture and are white in color at first, later turning dark gray to black.

Health Effects: Certain species of *Stachybotrys* produce mycotoxins that may be harmful to human and animal after ingestion. They can cause allergic and asthmatic reactions in sensitive individuals.

Trichoderma

Trichoderma is a filamentous fungus that is widely distributed in the soil, plant material, decaying vegetation, and wood. Many species in this genus can be characterized as opportunistic avirulent plant symbionts. The common house mould, *Trichoderma longibrachiatum*, produces small toxic peptides containing amino acids not found in common proteins. Cultures are typically fast growing at 25-30°C, but will not grow at 35°C. Colonies are transparent at first on media such as cornmeal dextrose agar or white on richer media such as potato dextrose agar. Conidiophores are highly branched and thus difficult to define or measure, loosely or compactly tufted. Main branches of the conidiophores produce lateral side branches that may be paired or not, the longest branches distant from the tip and often phialides arising directly from the main axis near the tip. The branches may rebranch, with the secondary branches often paired and longest secondary branches being closest to the main axis. All primary and secondary branches arise at or near 90° with respect to the main axis. The typical *Trichoderma* conidiophore, with paired branches assumes a pyramidal aspect.

Health Effects: Very few human cases due to *Trichoderma* have been identified. Although it is commonly considered as a contaminant, *Trichoderma* may cause infections in the presence of certain predisposing factors.

Ulocladium

Ulocladium includes approximately 9+ species, is common and widespread. Species of this genus contain both plant pathogens and food spoilage agents. As to shape and size, species of *Ulocladium* closely resemble those of the genus *Alternaria*. Typically grows well on general cellulose surfaces. Often found growing in soil, dun, paint, grasses, fibers, wood, decaying plant material, paper, and textiles. Grows indoors on cellulose containing materials such as gypsum board, paper, paint, tapestries, jute, and other straw materials. *Ulocladium* has a high water requirement.

Health Effects: Some people may experience hay fever or asthma. This type of mold cross reacts with *Alternaria*, adding to the allergenic burden of *Alternaria*-sensitive patients.

ATTACHMENT 3

**NORTHSTAR ENVIRONMENTAL TESTING, LLC
PRE-DEMOLITION INSPECTION: ASBESTOS, LEAD-BASED PAINT
AND RESTRICTED WASTE REPORT**

Central Wisconsin Office:

1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:

1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:

1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

PRE-DEMOLITION INSPECTION: **ASBESTOS, LEAD-BASED PAINT & RESTRICTED WASTE**

Tetra Tech

Site:

Tecumseh Plant
1604 Michigan Avenue
New Holstein, WI 53061

Work Area:

Pre-Demolition

Inspection Dates: August 28 to September 7, 2018
Report Date: October 3, 2018

NorthStar No. 180-755

Submitted By:
NorthStar Environmental Testing, LLC.



Central Wisconsin Office:
 1006 Western Avenue
 Mosinee, WI 54455
 Tel: 715.693.6112
 Fax: 715.693.1225

Fox Cities Office:
 1835 E. Edgewood Drive
 Suite 10542
 Appleton, WI 54913
 Tel: 920.422.4888

Madison Office:
 1310 Mendota Street
 Suite 121
 Madison, WI 53714
 Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 3, 2018

Tetra Tech
 c/o Carol Nissen
 1 S. Wacker Drive
 Suite 3700
 Chicago, IL 60606

Project:	Pre-Demolition Inspection: Asbestos / Lead Paint / Waste
Site:	Tetra Tech 1604 Michigan Avenue New Holstein, WI 53061

NorthStar Environmental Testing, LLC was contracted by Carol Nissen on behalf of Tetra Tech to complete a pre-demolition inspection to identify the presence of materials containing asbestos, building components with lead-based paint, and restricted waste items from throughout the commercial property located at 1604 Michigan Avenue in New Holstein, Wisconsin. The inspection was conducted by Ethan Turriff & Jason Motkowski of NorthStar Environmental Testing, LLC (NorthStar) from August 28 to September 7, 2018.

Asbestos materials, items painted with lead-based paint, and restricted waste items are present throughout the facility. A summary of materials is located in Appendix C. Please review the report in its entirety for more detailed information.

Prepared by:
 NorthStar Environmental Testing, LLC.
 1835 E. Edgewood Drive
 Suite 10542
 Appleton, WI 54913

Provided to:
 Tetra Tech
 c/o Carol Nissen
 1 S. Wacker Drive
 Suite 3700
 Chicago, IL 60606

Date of Site Visit: August 28 to September 7, 2018

NorthStar Environmental Testing, LLC.

Aaron Stroud
 Operations Manager
 All-108183 / LRA-108183

Jason Motkowski
 Project Technician
 All-249714 / LRA-249714



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

TABLE OF CONTENTS

ASBESTOS INSPECTION SUMMARY.....	Page 1
ASBESTOS SAMPLING SUMMARY.....	Page 1
ASBESTOS MATERIAL SUMMARY.....	Page 2
ASBESTOS RECOMMENDATIONS.....	Page 2
SURVEY LIMITATIONS.....	Page 2
ANALYTICAL DISCUSSION.....	Page 3
REMARKS.....	Page 3

APPENDICES

A) Lead Paint Testing Report.....	3 Pages
B) Restricted Waste Report.....	2 Pages
C) Asbestos / Lead Paint / Restricted Waste Inventory...	24 Pages
D) Asbestos Sample Log.....	28 Pages
E) Lead Paint XRF Testing Data.....	39 Pages
F) Building Diagrams.....	2 Pages
G) Photo Log.....	5 Pages
H) NorthStar Certifications.....	6 Pages

ADDENDUM

A) Laboratory Analysis Reports (separate document).....	122 Pages
--	------------------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 3, 2018

Tetra Tech
c/o Carol Nissen
1 S. Wacker Drive
Suite 3700
Chicago, IL 60606

Project:	Asbestos Inspection
Site Address:	1604 Michigan Avenue New Holstein, WI 53061
Work Area:	Pre-Demolition
Survey Date:	August 28 to September 7, 2018
NorthStar No:	180-755

NorthStar Environmental Testing, LLC (NorthStar) was authorized by Carol Nissen on behalf of Tetra Tech to conduct a pre-demolition survey for the presence of accessible suspect asbestos containing materials (ACM) for the following site:

INSPECTION SUMMARY:

Site Address:	1604 Michigan Avenue New Holstein, WI 53061		
County:	Calumet County		
Structure Type:	Commercial		
Bldg Age:	1920 (approximate original construction date)		
Size (ft ²):	400,000 ft ² (approximate total footprint)		
Floors:	1 primary level (some partial 2 nd story)		
# of Structures:	1 (multiple additions & construction dates)		
Inspector:	Ethan Turriff	Cert:	All-238194
		Asbestos Company:	CAP-925800
Survey Date:	August 28 to September 7, 2018		
Comments:	The building consists of a concrete slab foundation, metal/brick/concrete block framing and multiple roofing materials.		

SAMPLING SUMMARY:

Number of Samples:	487
Number Analyzed:	473
Point Count Analysis:	4
Asbestos Material:	Asbestos materials are present throughout the facility. See a complete building inventory list in Appendix C.
Assumed ACM:	Roofing Materials, Electrical Panels & Fire Doors
Laboratory:	Eurofins CEI Labs, Inc. NVLAP: 101768-0
Analysis Dates:	September 5 to 17, 2018 & Point Count: October 1 & 3, 2018

The attached *Asbestos Sample Log* contains complete sample analysis data.

ASBESTOS MATERIAL SUMMARY:

Confirmed ACBM, or presumed ACBM that will require abatement if these materials will be impacted by the intended demolition:

Materials identified as asbestos containing at some location within the facility include:

Material	
White Window Glazing	9" Tan Floor Tile
Black Floor Tile Adhesive	Silver Air Handler Door Gasket
Gray Door Caulk	Brown Tile Adhesive (wall, ceiling)
9" Green Streak Floor Tile	12" Tan Streak Floor Tile
White Pipe Wrap	Tan Ceramic Baseboard Adhesive
Transite Siding	Brown Vent Caulk
Gray Window Glazing	Black Window Tar (skylight)
White Pipe Fitting Insulation	Brown Roof Paper
Transite Wall Paneling	Pipe Insulation
Black Tar (on foundation)	

A complete list of asbestos containing materials by location is included in:

Appendix C: Asbestos / Lead-Based Paint / Restricted Waste Inventory.

Material quantities are listed according to visible estimates at the time of the survey. It is recommended that all quantities be further verified by the building owner or an abatement contractor prior to project design, bidding, budgeting and/or DNR notification purposes.

The following areas were inaccessible or excluded at the time of inspection and may contain additional quantities of suspect asbestos containing materials:

Inaccessible/Untested Areas
Any additional items if encountered should be assumed to contain asbestos and sampled if/when necessary.

ASBESTOS RECOMMENDATION:

All friable ACBM as well as non-friable ACBM that would likely be made friable by the intended renovation or demolition processes are required to be abated prior to disturbance.

Non-friable ACBM (confirmed or assumed) remaining during demolition must be disposed of properly as demolition debris at an approved landfill. Non-friable materials typically require abatement prior to any material recycling procedure. For any building that will be subject to burning, all confirmed and presumed ACBM must be removed.

Abatement shall be performed by an abatement company utilizing trained and certified worker/supervisor and further licensed as an asbestos company by the Wisconsin Department of Health Service (DHS), asbestos regulation 159.

Refer to Wisconsin Department of Natural Resources (WDNR) 447; and DHS 159 for complete information on requirements for asbestos abatement and asbestos material disposal.

SURVEY LIMITATIONS:

Sample results, quantities and recommendation are limited to areas that were accessible to us during the investigation. Additional presumed-ACBM that may have been located in spaces not accessible during our investigation, hidden from view, or not sampled at the client's request may require additional sampling prior to disturbance by renovation or demolition activity. Typical areas that may be inaccessible during an investigation include: wall or ceiling cavities; electrical components/wiring, equipment interiors; chimneys/flues/stacks; spaces requiring confined space entry procedures. Additional materials not accessible during a typical building materials survey include items such as miscellaneous caulking, sealants and construction adhesives that are not readily accessible to sampling as they are often located between layers of building components. These materials are typically non-friable in nature but may require further sampling to confirm or deny the presence of asbestos.

Additional presumed ACBM encountered during renovation or demolition activity, that differs from materials sampled or described during this survey must be assumed to contain asbestos and be abated or be sampled to determine asbestos content prior to disturbance.

Material quantities are listed according to visible estimates at the time of the survey. It is recommended that all quantities be further verified by building owner or abatement contractor prior to project design, bidding and/or DNR notification purposes.

ANALYTICAL DISCUSSION:

Bulk sample analysis for asbestos was performed by polarized light microscopy (PLM); method EPA 600/r-75-116. Samples showing a result of "None Detected" were found to contain no asbestos in any analyzed portion of the sample.

USEPA defines an ACBM as one that contains greater than one percent asbestos. For a sample result showing less than one percent (<1%) of asbestos, the material can be may be treated as a non-asbestos containing material. The building owner or client should be aware that exposure to asbestos is still possible following disturbance of material with a trace or <1% of asbestos present and that worker protection procedures may be necessary.

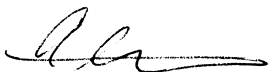
REMARKS:

The survey and subsequent report has been performed according to applicable regulations and generally accepted industry standards and practices in this locality under similar conditions. Information provided to us by building owner/occupant, client or other interested party that may have been utilized in the performance and reporting of the survey was accepted in good faith and can only be assumed to be accurate. The findings and recommendations made are representative of our professional opinion based on currently available information; no other warranty is implied or intended.

Please contact us if you have any questions regarding the presented information or the project in general.

Sincerely,

NorthStar Environmental Testing, LLC.



Aaron Stroud
Operations Manager



Jason Motkowski
Project Technician

Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 3, 2018

Tetra Tech
c/o Carol Nissen
1 S. Wacker Drive
Suite 3700
Chicago, IL 60606

Project:	Lead Paint Inspection (limited)
Site Address:	1604 Michigan Avenue New Holstein, WI 53061
Work Area:	Pre-Demolition
Site Date:	August 30 to September 6, 2018
NorthStar No:	180-755

NorthStar Environmental Testing, LLC (NorthStar) was authorized by Carol Nissen on behalf of Tetra Tech to perform limited, non-destructive inspection for the presence of lead in paint on designated surfaces prior to potential disturbance by specific demolition activity.

Testing for lead based paint was limited to representative building materials and cementitious surfaces (concrete, concrete block, brick, etc.) likely to be impacted by the planned demolition. Testing for lead in paint was conducted to assist with planning in regards to concrete disposal / recycling activities. A surface-by-surface visual assessment of painted components was conducted at the property to determine which surfaces to test.

TESTING SUMMARY:

Testing Date:	August 30 to September 6, 2018
Building/Site:	1604 Michigan Avenue New Holstein, WI 53061
Building Contact:	Carol Nissen (Tetra Tech) Phone: 312.201.7411
Work Area:	Pre-Demolition
Materials Tested Pre-Demolition:	Representative painted building materials.
Lead Paint for Demolition Items:	Lead-based paint was identified throughout the demolition area. See summary, Appendix C.
Visual Assessment:	Lead-based paint was identified throughout the demolition area. See summary, Appendix C.
Sampling Tech:	Ethan Turriff
Cert No.:	LRA-238194
Lead Company:	HFS-925800 Expiration Date: 08/01/2019
Testing Equipment:	RMD LPA-1 XRF analyzer, Serial Number: 2766
Comment:	Sampling was limited to representative areas & cementitious materials. Any additional items not specifically sampled should be assumed to contain lead unless additional testing proves otherwise.

LEAD PAINT SUMMARY:

Testing for lead-based paint analyzes all layers of paint on a particular surface area simultaneously. The testing does not specifically identify which layer or color of paint contains lead. A positive testing location entails that some layer of paint on that particular surface contains lead in paint in excess or equal to 1.0 mg/cm².

Materials identified as containing lead-based paint at some location within the facility include:

Material – Concrete / Concrete Block / Brick	
concrete foundation (exterior)	ground & wall stipes (exterior)
posts (exterior)	walls
curbs	railings
columns	floor stripes
stair stringers	
Material – Metal / Wood	
post	railing
valves	door components
pipes	ladder
columns	overhead door casing
sliding doors	toe kick
electrical panels	roof trusses
transformers	restroom stall
horizontal beams	window components
ceilings	vault door

A complete list of lead painted materials is included in:

Appendix C: Asbestos / Lead-Based Paint / Restricted Waste Inventory.

- * Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.
- * All similar materials with the same paint history are to be categorized in the same manner. For example if a window sill on side A is positive for lead-based paint, then all similar window sills are assumed to contain lead-based paint.

DISCUSSION:

The testing performed was limited in scope and does not constitute a full lead paint inspection. Demolition activity beyond the anticipated work scope specified at the time of our site visit may require additional testing prior to disturbance.

The United States Federal Government through the Environmental Protection Agency (EPA) and Housing and Urban Development (HUD) defines lead-based paint as equal to or greater than 1.0 mg/cm² measured by XRF analysis, or 0.5% (5000 ppm) measured by weight through laboratory analysis. The State of Wisconsin has adopted the same definition of lead bearing paint (mainly for residential HUD applications) as that which is equal to or greater than 1.0 mg/cm² or 0.5% (5000 ppm) respectively.

Our non-destructive testing by x-ray fluorescence has been performed in an attempt to screen for areas with quantifiable lead above regulatory limits on painted substrates. The reportable limit of detection is essentially 1.0 mg/cm² by XRF analysis and therefore paint chip analysis would be recommended for a more accurate determination of lead in paint below this level or for results to rule out lead in any quantifiable amount. The testing equipment is calibrated against a known standard before and after actual substrate testing.

For worker exposure applications, lead in any quantifiable amount, and disturbance of the material creating dust and/or fumes and subsequent potential worker exposure would be regulated by the OSHA lead in construction standard (29 CFR 1926.62).

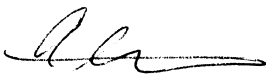
REMARKS:

The testing and subsequent report has been performed according to applicable regulations and generally accepted industry standards and practices in this locality under similar conditions. Information provided to us by the building owner/occupant, client or other interested party that may have been utilized in the performance and reporting of the testing was accepted in good faith and can only be assumed to be accurate. The findings and recommendations made are representative of our professional opinion based on currently available information; no other warranty is implied or intended.

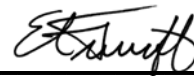
Please contact us if you have any questions regarding the presented information or the project in general.

Submitted By,

NorthStar Environmental Testing, LLC.



Aaron Stroud
Operations Manager



Ethan Turriff
Project Superintendent

Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 3, 2018

Tetra Tech
c/o Carol Nissen
1 S. Wacker Drive
Suite 3700
Chicago, IL 60606

Project:	Restricted Waste Material Inventory
Site Address:	1604 Michigan Avenue New Holstein, WI 53061
Work Area:	Pre-Demolition
Site Date:	August 28 to September 7, 2018
NorthStar No:	180-755

NorthStar Environmental Testing LLC (NorthStar) was authorized by Carol Nissen on behalf of Tetra Tech to perform a restricted waste material inventory within applicable building spaces prior to demolition.

INSPECTION SUMMARY:

Site Address:	1604 Michigan Avenue New Holstein, WI 53061
County:	Calumet
Structure Type:	Commercial
Bldg Age:	1920 (approximate)
Size (sf):	400,000 ft ² (approximation)
Floors:	1 Primary Level
# of Structures:	1
Inspector:	Ethan Turriff & Jason Motkowski
Survey Date:	August 28 – September 7, 2018

PROJECT DISCUSSION:

In preparation for the upcoming structure demolition, a restricted waste material inventory was performed within applicable areas of the building. The restricted waste material inventory provides a room by room, area by area quantified inventory of materials likely to be categorized as restricted waste per the Wisconsin Department of Natural Resources (WI DNR) guidance document WA-651. The WI DNR requires restricted waste materials be removed or recycled prior to disposal.

The restricted waste material inventory was limited to currently accessible materials within an occupied facility. Typical areas that may be inaccessible during an investigation include but are not limited to: wall or ceiling cavities; locked or operable electrical panels, operating equipment interiors; and spaces requiring confined space entry procedures. No material testing was performed and certain presumptions may have been made due to absence of labeling. Quantities given are approximate as noted during the site survey. These quantities should be verified by a qualified remediation contractor prior to planning a specific response action. Personal items and movable items expected to be retained by the building owner were not inventoried.

See Appendix C: Asbestos / Lead-Based Paint / Restricted Waste Inventory.

REMARKS:

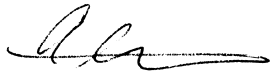
This document is intended to provide guidance only and should not be considered a comprehensive report of any and all environmental hazards contained within the facility. Additional hazardous materials may relate to unknown past events or current production processes requiring specific environmental testing.

Information provided to us by the building owner/occupant, client or other interested party that may have been utilized in the performance and reporting of the survey was accepted in good faith and can only be assumed to be accurate. The findings and recommendations made are representative of our professional opinion based on currently available information; no other warranty is implied or intended.

Please contact us if you have any questions regarding the resented information or the project in general.

Submitted by,

NorthStar Environmental Testing, LLC.



Aaron Stroud
Operations Manager



Ethan Turriff
Project Superintendent

Appendix C Asbestos / Lead Paint / Waste Inventory

Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018

Asbestos / Lead Paint / Waste Inventory

ASBESTOS MATERIAL SUMMARY:

Confirmed ACBM, or presumed ACBM that will require abatement prior to disturbance by mechanical demolition:

Material	Building Area	Quantity (approx)	Comment/Condition
Transite Siding	Exterior Roof – Bldg 2A Exterior Roof – Bldg 3	680 ft ² 480 ft ²	CAT II non-friable
Silver Air Handler Door Gasket	Building 8A – Mezzanine	10 ft ² (10 ea)	CAT II non-friable
Window Glazing	Building 16 – Mezzanine Building 13 West – South Wall Building 8A – Upper NE Window Building 3 – West Wall Building 7 – West Upper Wall Exterior Roof – Bldg 3 Skylights	4 ft ² (4 ea) 324 ft ² 69 ft ² (1 ea) 20 ft ² (5 ea) 35 ft ² 100 ft ²	CAT II non-friable / likely to become friable
White Pipe Insulation	Building 2 – West Upper Wall	5 linear feet	Friable
Pipe Fitting Insulation	Building 2C – Air Handler Room Building 2 – Engineering (south) Building 4 – Southwest Corner Building 9 – Restroom Area	4 linear feet 5 linear feet 1 linear foot 4 linear feet	Friable / at ceiling / (14 total pipe fittings)
Brown Roofing Paper	Building 3 – North End	1,950 ft ²	Friable / at ceiling
Transite Wall Paneling	Building 3 – North End Building 17	592 ft ² 1,356 ft ²	CAT II non-friable / near ceiling
Pipe Insulation	Building 3A - Office	25 linear feet	Friable / near ceiling
¹ Electrical Panels	Throughout	2,076 ft ² (2,076 each)	CAT II non-friable / assumed
² Fire Door Interiors	Throughout	not quantified	Assumed

¹ Electrical panel interiors were assumed to contain asbestos. The building electrical components were energized at the time of inspection and therefore no destructive sampling was possible. It is not uncommon for these electrical panels to contain asbestos insulators/isolators.

² Fire door interiors could not be sampled without significant destructive measures which would compromise the fire rating of the doors. Additional destructive sampling at a later date is recommended.

Material quantities are listed according to visible estimates at the time of the survey. It is recommended that all quantities be further verified by the building owner or an abatement contractor prior to project design, bidding, budgeting and/or DNR notification purposes.

Asbestos / Lead Paint / Waste Inventory

Non-friable, or presumed ACBM, in good condition, on cementitious substrates that may remain in place during mechanical demolition unless the material is to be recycled or crushed:

Material	Building Area	Quantity (approx)	Comment/Condition
9" Tan Floor Tile & Black Tile Adhesive	Building 15 – Mezzanine East Office	1,280 ft ²	CAT I non-friable / on concrete / under 12" non-acm tile
9" Green Streak Floor & Black Tile Adhesive	Building 2B – Vault Building 11 – QC Office Building 11 – Southwest Office Building 11 – Electronics Lab	182 ft ² 390 ft ² 165 ft ² 1,674 ft ²	CAT I non-friable / on concrete
12" Tan Streak Floor Tile & Black Tile Adhesive	Building 1 – Offices (all)	9,510 ft ²	CAT I non-friable / on concrete
Brown Wall Adhesive	Building 12 – Southwest Area NE Spray Booth	240 ft ²	CAT II non-friable / on conc. block / behind foam insulation
Brown Paneling Adhesive	Building 11 – Northwest Office	512 ft ²	CAT II non-friable / on conc. block
Brown Ceiling Tile Adhesive	Building 8 – NW Paint Booths	216 ft ²	CAT II non-friable / on concrete ceiling
Black Floor Tile Adhesive	Building 11 – Safety Office Building 11 – First Aid Office Building 1 – Lobby	150 ft ² 360 ft ² 696 ft ²	CAT II non-friable / on concrete / under other flooring layers
Tan Ceramic Baseboard Adhesive	Building 9 – Bathroom	144 ft ²	CAT II non-friable / on concrete block
Gray Door Caulk	Building 12 – West Room - Southeast Room	2 ft ² (2 each) 1 ft ² (1 each)	CAT II non-friable / on concrete block
Black Foundation Tar	Exterior East	not quantified	CAT I non-friable / on concrete

Material quantities are listed according to visible estimates at the time of the survey. It is recommended that all quantities be further verified by the building owner or an abatement contractor prior to project design, bidding, budgeting and/or DNR notification purposes.

All non-friable asbestos materials, if allowed to remain in place for mechanical demolition, must remain non-friable during demolition and will require proper landfill disposal.

Asbestos / Lead Paint / Waste Inventory

Non-friable, or presumed ACBM, in good condition, on wood or metal substrates that may remain in place during mechanical demolition process:

Material	Building Area	Quantity (approx)	Comment/Condition
Window Glazing (caulk)	Building 1 Exterior	39 ft ² (39 ea)	CAT I non-friable / on metal
Black Window Tar	Building 2 Roof (skylights)	275 ft ²	CAT I non-friable / on metal
Gray Window Glazing (soft)	Building 2 Roof (skylights)	275 ft ²	CAT I non-friable / on metal
Roofing Materials	Building 12 – North Mezzanine	3,840 ft ²	CAT I non-friable / on metal
White Vent Caulk	Exterior East	12 ft ²	CAT I non-friable / on metal
Roofing Materials	Exterior	400,000 ft ²	CAT I non-friable / assumed

Material quantities are listed according to visible estimates at the time of the survey. It is recommended that all quantities be further verified by the building owner or an abatement contractor prior to project design, bidding, budgeting and/or DNR notification purposes.

All non-friable asbestos materials, if allowed to remain in place for mechanical demolition, must remain non-friable during demolition and will require proper landfill disposal.

The following areas were inaccessible or excluded at the time of inspection and may contain additional quantities of suspect asbestos containing materials:

Inaccessible/Untested Areas
Building #12 Material Testing Office was inaccessible at the time of the inspection.

Asbestos / Lead Paint / Waste Inventory

The following materials were found to be **non-asbestos** or **less than 1%** by PLM analysis:

Material	
6" tan ceramic baseboard tile	clear toilet seam caulk
4" green vinyl baseboard	clear window glazing
4" tan ceramic baseboard	clear AHU seam caulk
4" white ceramic backsplash tile	brown wall panel adhesive
4" brown vinyl baseboard	brown door caulk
4" black vinyl baseboard	brown window caulk
4" gray vinyl baseboard	brown toilet seam caulk
4" tan vinyl baseboard	2'x4' white pinhole ceiling tile
4" blue vinyl baseboard	2'x4' white pinhole fissure ceiling tile
3" tan ceramic baseboard	2'x4' white pinhole crater ceiling tile
3" white ceramic wall tile	2'x4' white pinhole worm ceiling tile
2'x4' tan wall panel	2'x4' solid drywall ceiling tile
tan air handler caulk	2'x2' white drywall ceiling tile
tan baseboard adhesive	2'x2' white pinhole worm ceiling tile
tan ceiling caulk	12" white pinhole ceiling tile
tan wall insulation	12" white pinhole fissure ceiling tile
tan air handler door insulation	12" gray floor tile
tan wall panel adhesive	12" red floor tile
tan backsplash adhesive	12" tan streak floor tile
tan insulation	12" beige mottled floor
tan seam caulk	12" gray mottled floor tile
tan wood panel adhesive	12" cream floor tile
tan flooring adhesive	12" green floor tile
tan floor tile adhesive	12" tan mottled floor tile
tan window caulk	12" beige streak floor tile
tan seam caulk	12" tan ceramic floor tile
tan fiberboard adhesive	2" brown quarry tile
tan terrazzo sink	1"x1" red wall tile
tan carpet adhesive	red vinyl sheet floor
tan door caulk	gold vinyl sheet floor
gray vinyl wall panel	tan vinyl sheet flooring
gray window glazing	white sheetrock
gray vertical seam caulk	white pipe fitting
gray window caulk	white window caulk
gray door caulk	white door caulk
gray thin-set mortar	white garage door seam caulk
gray wall seam caulk	white fume hood seam caulk
brown wall panel adhesive	white seam caulk
brown tile adhesive	black lab countertop
brown ceiling tile adhesive	black window glazing
brown spray-on fireproofing	black tile spacer
drywall	black felt pipe fitting
joint compound	black concrete overlay
orange seam caulk	black vapor barrier
clear seam caulk	black tar layer

The attached *Bulk Sample Log-in* contains complete sample analysis data.

Asbestos / Lead Paint / Waste Inventory

LEAD PAINT SUMMARY: (Cementitious Materials)

Testing for lead-based paint analyzes all layers of paint on a particular surface area simultaneously. The testing does not specifically identify which layer or color of paint contains lead. A positive testing location entails that some layer of paint on that particular surface contains lead in paint in excess or equal to 1.0 mg/cm².

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)	Quantity (Approx.)	Comment
Exterior 001 Building 16										
1605	C	Foundation	Ctr		Poor	Concrete	Yellow	1.9	5 ft ²	mostly gone
Exterior 006 Building 13										
1579	B	Wall	L Ctr		Poor	Con. Block	Tan	2.1	20 ft ²	small section
1622	C	Wall Stripe	Rgt		Poor	Concrete	Yellow	3.5	60 ft ²	
1624	C	Fl. Stripe	Rgt		Poor	Concrete	Yellow	2.8	nq	
1628	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.8	nq	
Exterior 014 Building 15										
1638	C	Stoop	Rgt		Poor	Concrete	Gray	1.4	10 ft ²	mostly gone
1645	C	Wall Stripe	Ctr		Poor	Concrete	Yellow	5	60 ft ²	
1646	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.9	nq	small section
1659	D	Wall	L Rgt		Poor	Con. Block	Yellow	1.5	5 ft ²	
Exterior 058 Building 9										
1684	D	Foundation	Rgt		Poor	Concrete	Black	1.4	100 ft ²	faded, at ground
Exterior 099 Guard Shack										
1739	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.5	nq	
Exterior 106 North Parking Lot										
1789	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	2.1	nq	22 total
1790	C	Post	Ctr		Poor	Concrete	Yellow	1.4	5 ft ²	
Interior Room 001 Building 16										
6	A	Wall	L Ctr		Intact	Con. Block	Red	1.4	2,080 ft ²	all walls all sides
7	A	Curb	Ctr		Poor	Concrete	Yellow	5.2		
10	B	Wall	L Lft		Poor	Con. Block	Red	1		
11	B	Curb	Lft		Poor	Concrete	Yellow	5.6		
15	B	Wall	L Rgt		Poor	Con. Block	Red	1.1		
17	C	Wall	L Rgt		Poor	Con. Block	Red	1.4		
18	C	Curb	Ctr		Poor	Concrete	Yellow	3.5		
22	D	Wall	L Lft		Intact	Con. Block	Red	1.6		
23	D	Curb	Lft		Poor	Concrete	Yellow	2.1		

Asbestos / Lead Paint / Waste Inventory

Reading		Structure	Location	Member	Paint			Lead (mg/cm2)	Quantity (Approx.)	Comment	
No	Wall				Condition	Substrate	Color				
27	D	Railing	Ctr	Railing	Poor	Concrete	Yellow	3.6	20 ft ²	9 total	
41	C	Col Base	Ctr		Poor	Concrete	Yellow	5.8	4 ft ²		
57	D	Post	Rgt		Poor	Concrete	Yellow	2.8	5 ft ²		
Interior Room 005 Building 16A											
59	A	Wall	L Ctr		Intact	Con. Block	Red	1.9	2,080 ft ²	all walls all sides	
60	A	Curb	Ctr		Poor	Concrete	Yellow	1.2	560 ft ²		
68	B	Wall	L Ctr		Poor	Con. Block	Red	1.2		10 total	
69	B	Curb	Ctr		Poor	Concrete	Yellow	4			
73	C	Wall	L Ctr		Poor	Con. Block	Red	1.6			
74	C	Curb	Ctr		Poor	Concrete	Yellow	3.6			
80	C	Col Base	Ctr		Poor	Concrete	Yellow	1.9	4 ft ²		
83	D	Wall	L Ctr		Intact	Con. Block	Red	1.5			
84	D	Curb	Ctr		Poor	Concrete	Yellow	2.2			
Interior Room 006 Building 13											
88	A	Wall	L Ctr		Poor	Con. Block	Red	1.6	3,700 ft ²		includes all walls sides A & B
89	A	Curb	Ctr		Poor	Concrete	Yellow	2.5	483 ft ²		
92	B	Wall	L Ctr		Poor	Con. Block	Red	1.3			
93	B	Curb	Ctr		Poor	Concrete	Yellow	3.1			
98	C	Wall	L Lft		Intact	Con. Block	Red	1.4			
110	C	Wall	L Rgt		Poor	Con. Block	Red	1.6			
115	D	Wall	L Ctr		Poor	Con. Block	Red	1.1			
117	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.3	nq		
118	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	3.9	nq		
Interior Room 009 Building 13 - Staging Area											
132	A	Wall	L Ctr		Poor	Con. Block	Green	1.3	1,500 ft ²	all walls side A	
133	A	Curb	Ctr		Poor	Concrete	Yellow	4.1	200 ft ²		
Interior Room 014 Building 15											
161	B	Wall	L Ctr		Intact	Con. Block	Red	1	1,700 ft ²	walls B, C, & D sides B, C, & D	
162	B	Curb	Ctr		Poor	Concrete	Yellow	>9.9	420 ft ²		
170	C	Wall	L Lft		Poor	Con. Block	Red	1.1			
175	C	Fl. Stripe	Lft		Poor	Concrete	Yellow	1.2	nq		
178	C	Wall	L Ctr		Poor	Con. Block	Green	1.3			
179	C	Curb	Ctr		Poor	Concrete	Yellow	2.7			
182	C	Wall	L Rgt		Poor	Con. Block	Green	1.1			
188	D	Wall	L Ctr		Poor	Con. Block	Green	1.2			
189	D	Curb	Ctr		Poor	Concrete	Yellow	1.3			

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity (Approx.)	Comment
Interior Room 015 Building 15 - Staging Area										
195	A	Wall	L Ctr		Poor	Con. Block	Gray	1.4	950 ft ² 150 ft ²	includes all walls
196	A	Curb	Ctr		Poor	Concrete	Yellow	3.5		
199	C	Wall	L Ctr		Poor	Con. Block	Gray	1.4		
Interior Room 017 Building 15 - Second Level - Women's										
203	A	Wall	L Ctr		Intact	Con. Block	Red	1.1	300 ft ²	sides A, B, & D
Interior Room 019 Building 8A										
223	A	Wall	L Lft		Poor	Con. Block	Green	1.5	750 ft ²	includes all walls
227	B	Wall	L Ctr		Poor	Con. Block	Red	1.4		
230	B	Curb	Ctr		Poor	Concrete	Yellow	1.1	60 ft ² nq	side B
233	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.3		
246	C	Wall	L Rgt		Poor	Con. Block	Gray	1.3	10 ft ²	side A
251	A	Floor			Poor	Concrete	Yellow	3.9		
255	D	Wall	L Ctr		Poor	Con. Block	Green	1		
Interior Room 021 Building 12										
264	A	Wall	L Lft		Poor	Con. Block	Red	1.4	2,300 ft ²	includes all walls
277	A	Wall	L Rgt		Poor	Con. Block	Red	1.6		
278	A	Curb	Rgt		Poor	Concrete	Yellow	3.5	200 ft ²	side A
280	B	Wall	L Ctr		Poor	Con. Block	Red	1.2		
281	B	Wall	L Ctr		Poor	Con. Block	Red	6	nq	
290	B	Wall	L Rgt		Poor	Con. Block	Red	1		
294	C	Wall	L Lft		Poor	Con. Block	Red	1		
296	C	Wall	L Rgt		Poor	Con. Block	Red	1		
300	D	Wall	L Lft		Poor	Con. Block	Red	1.2		
315	D	Wall	L Rgt		Poor	Con. Block	Red	1.8		
332	A	Curb	Lft		Poor	Concrete	Yellow	1.3		
376	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	2.1		
Interior Room 022 Building 12 - West Lab										
335	A	Wall	L Ctr		Poor	Con. Block	Red	2.1	350 ft ²	includes all walls
337	B	Wall	L Ctr		Poor	Con. Block	Red	1.8		
339	C	Wall	L Ctr		Poor	Con. Block	Red	1.7		
341	D	Wall	L Ctr		Poor	Con. Block	Red	1.9		
Interior Room 023 Building 12 - Reliability Lab										
349	A	Wall	L Rgt		Poor	Con. Block	Red	1.8	350 ft ²	includes all walls
353	B	Wall	L Ctr		Poor	Con. Block	Red	1.4		

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
355	C	Wall	L Ctr		Poor	Con. Block	Red	1.7		
357	D	Wall	L Ctr		Poor	Con. Block	Red	2.4		
Interior Room 027 Building 10										
380	A	Wall	L Ctr		Poor	Con. Block	Red	1.1	2,700 ft ²	includes all walls
385	B	Wall	L Ctr		Poor	Con. Block	Red	1.3		
386	B	Curb	Ctr		Poor	Concrete	Yellow	>9.9	680 ft ²	all sides
388	C	Wall	L Ctr		Poor	Con. Block	Red	1.6		
393	D	Wall	L Ctr		Poor	Con. Block	Red	1.5		
405	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.8	nq	
407	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.4		
Interior Room 028 Building 17										
416	A	Wall	U Ctr		Poor	Con. Block	Gray	2	4,000 ft ²	includes all walls
417	A	Wall	L Ctr		Poor	Con. Block	Red	2		
418	A	Wall	Ctr		Poor	Concrete	Red	1.6		
422	A	Curb	Ctr		Poor	Concrete	Yellow	3	450 ft ²	all sides
424	A	Wall	U Lft		Poor	Con. Block	Gray	1		
425	A	Wall	L Lft		Poor	Con. Block	Red	1.9		
431	B	Wall	L Lft		Poor	Con. Block	Red	1.2		
432	B	Curb	Lft		Poor	Concrete	Yellow	3.5		
435	B	Wall	L Rgt		Poor	Con. Block	Red	1.4		
436	B	Curb	Rgt		Poor	Concrete	Yellow	5.1		
437	C	Wall	U Ctr		Poor	Con. Block	Gray	2.1		
438	C	Wall	L Ctr		Poor	Con. Block	Red	1.9		
439	C	Curb	Ctr		Poor	Concrete	Yellow	3.7		
447	D	Wall	U Lft		Poor	Con. Block	Gray	1.2		
448	D	Wall	L Lft		Poor	Con. Block	Red	1.6		
451	D	Curb	Lft		Poor	Concrete	Yellow	8.7		
453	D	Wall	U Ctr		Poor	Con. Block	Gray	1		
454	D	Wall	L Ctr		Poor	Con. Block	Red	1.1		
455	D	Curb	Ctr		Poor	Concrete	Yellow	5.8		
475	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.3	nq	
Interior Room 029 Building 17 - Staging Area										
481	A	Wall	L Ctr		Poor	Con. Block	Red	1.1	600 ft ²	includes all walls
Interior Room 030 Building 17 - Mezzanine										
487	A	Wall	U Ctr		Poor	Con. Block	Gray	1	2,500 ft ²	includes all walls on mezzanine

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
488	A	Wall	L Ctr		Poor	Con. Block	Red	1.4		
Interior Room 032 Building 17 - Mezzanine - West Lab										
496	C	Wall	L Ctr		Poor	Con. Block	Lt. Gray	1.3		
497	D	Wall	L Ctr		Poor	Con. Block	Gray	1.2		
Interior Room 033 Building 17 - Mezzanine - Men's										
500	A	Wall	U Ctr		Poor	Con. Block	Gray	1		
501	A	Wall	L Ctr		Poor	Con. Block	Red	2.1		
Interior Room 034 Building 11										
503	A	Wall	U Ctr		Poor	Con. Block	Gray	1.1	3,100 ft ²	includes all walls
504	A	Wall	L Ctr		Poor	Con. Block	Red	2.7		
515	B	Wall	U Lft		Poor	Con. Block	Gray	2.5		
516	B	Wall	L Lft		Poor	Con. Block	Red	2.1		
519	B	Wall	U Ctr		Poor	Con. Block	Gray	1.1		
520	B	Wall	L Ctr		Poor	Con. Block	Red	1.9		
528	C	Wall	L Ctr		Poor	Con. Block	Red	1.9		
533	D	Wall	U Lft		Poor	Con. Block	Gray	1.5		
534	D	Wall	L Lft		Poor	Con. Block	Red	1.2		
546	D	Wall	U Rgt		Poor	Brick	Gray	1.1		
547	D	Wall	L Rgt		Poor	Brick	Red	2.3		
Interior Room 040 Building 4										
575	A	Wall	U Rgt		Poor	Con. Block	White	1.6	1,800 ft ²	includes all walls
576	A	Wall	L Rgt		Poor	Con. Block	Green	1.9		
577	A	Wall	U Ctr		Poor	Concrete	White	1.6		
578	A	Wall	L Ctr		Poor	Concrete	Green	1.5		
579	B	Wall	U Lft		Poor	Concrete	White	1.6		
580	B	Wall	L Lft		Poor	Concrete	Green	1.6		
581	C	Wall	U Ctr		Poor	Con. Block	White	1.5		
582	C	Wall	L Ctr		Poor	Con. Block	Green	2		
583	C	Wall	L Ctr		Poor	Concrete	Green	2.6		
584	D	Wall	U Ctr		Poor	Con. Block	White	1.4		
585	D	Wall	L Ctr		Poor	Con. Block	Green	1.8		
586	D	Wall	L Ctr		Poor	Concrete	Green	2.2		
Interior Room 041 Building 4A										
592	A	Wall	L Ctr		Poor	Brick	Tan	2.1	860 ft ²	includes all walls
593	A	Wall	L Ctr		Poor	Brick	Red	1.2		
597	B	Wall	L Ctr		Poor	Con. Block	Tan	1.6		

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
598	B	Wall	L Ctr		Poor	Con. Block	Red	1.7		
600	C	Wall	L Ctr		Poor	Con. Block	Tan	1.6		
601	C	Wall	L Ctr		Poor	Con. Block	Red	1.3		
603	D	Wall	L Ctr		Poor	Brick	Tan	1.7		
604	D	Wall	L Ctr		Poor	Con. Block	Red	1.1		
Interior Room 042 Building 4B										
610	A	Wall	U Ctr		Poor	Brick	Tan	1.5	1,700 ft ²	includes all walls
611	A	Wall	L Ctr		Poor	Brick	Red	1.8		
612	B	Wall	U Lft		Poor	Brick	Tan	1.1		
613	B	Wall	L Lft		Poor	Brick	Red	1.6		
615	B	Wall	L Rgt		Poor	Con. Block	Gray	1.2		
617	C	Wall	L Ctr		Poor	Con. Block	Gray	1		
619	D	Wall	L Ctr		Poor	Con. Block	Red	1.2		
620	D	Wall	U Rgt		Poor	Brick	Tan	1.3		
Interior Room 044 Building 3C										
630	A	Wall	L Ctr		Poor	Brick	Tan	1.5	1,200 ft ²	includes all walls
631	A	Wall	L Ctr		Poor	Brick	Red	1.3		
633	B	Wall	L Ctr		Poor	Brick	Tan	1		
634	B	Wall	L Ctr		Poor	Brick	Red	1.1		
636	C	Wall	L Ctr		Poor	Brick	Tan	1.2		
637	C	Wall	L Ctr		Poor	Brick	Red	1.4		
639	D	Wall	L Lft		Poor	Brick	Tan	1.2		
640	D	Wall	L Lft		Poor	Brick	Red	1.4		
641	D	Wall	U Ctr		Poor	Con. Block	Tan	1.1		
642	D	Wall	L Ctr		Poor	Con. Block	Red	1.4		
Interior Room 046 Building 3B										
669	C	Wall	L Rgt		Poor	Con. Block	Gray	1.2	525 ft ²	includes all walls
674	D	Wall	L Lft		Poor	Brick	Gray	1.2		
682	D	Wall	L Rgt		Poor	Brick	Gray	2.1		
683	D	Tank	Ctr		Poor	Concrete	Gray	1.6	800 ft ²	1 large tank
Interior Room 047 Building 3										
695	A	Wall	L Ctr		Poor	Brick	Red	1.2	2,500 ft ²	includes all walls
697	B	Wall	L Lft		Poor	Brick	Blue	1.7		
699	B	Wall	L Ctr		Poor	Brick	Red	1.3		
701	B	Wall	L Rgt		Poor	Brick	Red	1.3		

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment	
703	C	Wall	L Lft		Poor	Brick	Gray	1.5	80 ft ²	1 column	
711	C	Wall	L Rgt		Poor	Brick	Gray	1			
713	C	Wall	L Rgt		Poor	Con. Block	Gray	1.2			
716	C	Column	Rgt		Poor	Brick	Tan	3.1			
717	C	Column	Rgt		Poor	Brick	Red	2.8			
725	D	Wall	L Ctr		Poor	Con. Block	Red	2.4			
727	D	Wall	L Rgt		Poor	Brick	Red	3.5			
742	B	Tank	Ctr		Poor	Concrete	Gray	1.1			400 ft ²
Interior Room 048 Building 7											
750	A	Wall	L Ctr		Poor	Brick	Red	2.1	1,400 ft ²	no C or D wall\	
752	A	Wall	L Rgt		Poor	Con. Block	Red	2			
754	B	Wall	L Lft		Poor	Con. Block	Red	1.8			
756	B	Wall	L Rgt		Poor	Con. Block	Red	2			
766	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	2.1			nq
776	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.9			nq
Interior Room 052 Building 7 - Men's											
788	D	Wall	U Ctr		Poor	Con. Block	Gray	4.5	600 ft ²	includes all walls	
789	A	Wall	L Ctr		Poor	Con. Block	Red	4.5			
790	D	Wall	L Ctr		Poor	Con. Block	Red	4.1			
Interior Room 053 Building 8											
802	A	Wall	U Ctr		Poor	Con. Block	Gray	1	1,500 ft ²	no B wall	
805	C	Wall	L Ctr		Poor	Con. Block	Red	1.2			
813	D	Wall	L Lft		Poor	Con. Block	Red	1.4			
817	D	Wall	L Rgt		Poor	Concrete	Red	1.3			
827	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.1			nq
835	C	Partition	Ctr		Poor	Con. Block	Red	2.1			250 ft ²
Interior Room 055 Building 8: NC Storage											
853	C	Wall	L Ctr		Poor	Con. Block	Red	1	400 ft ²	includes all walls	
858	C	Elec. Guard	Ctr		Poor	Concrete	Gray	1.3			nq
859	D	Floor			Poor	Concrete	Yellow	1.2			20 ft ²
Interior Room 056 Building 8: NE Storage											
861	A	Wall	L Ctr		Poor	Con. Block	Red	1.4	1,000 ft ²	includes all walls	
863	B	Wall	L Ctr		Poor	Con. Block	Red	1.6			
865	C	Wall	L Ctr		Poor	Con. Block	Red	2			
867	D	Wall	L Ctr		Poor	Con. Block	Red	1.7			
Interior Room 057 Building 8: NE Vestibule											

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment	
875	B	Wall	U Ctr		Poor	Con. Block	White	1	1,400 ft ²	includes all walls	
876	C	Wall	U Ctr		Poor	Con. Block	White	1			
Interior Room 058 Building 9										no B wall sides A & D	
881	A	Wall	L Ctr		Poor	Con. Block	Red	2	2,500 ft ²		
885	A	Curb	Ctr		Poor	Concrete	Yellow	>9.9	550 ft ²		
897	C	Wall	L Ctr		Poor	Con. Block	Red	1.2			
919	D	Wall	L Lft		Poor	Con. Block	Red	2.1			
922	D	Wall	L Ctr		Poor	Concrete	Red	1.1			
925	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1	nq		
Interior Room 059 Building 9: Restroom										1,800 ft ²	includes all walls
898	A	Wall	U Ctr		Poor	Con. Block	Gray	2.6			
899	A	Wall	L Ctr		Poor	Con. Block	Red	3.6			
900	B	Wall	U Ctr		Poor	Con. Block	Gray	2.8			
901	B	Wall	L Ctr		Poor	Con. Block	Red	1.8			
902	C	Wall	U Ctr		Poor	Con. Block	Gray	3.8			
903	C	Wall	L Ctr		Poor	Con. Block	Red	3.4			
904	D	Wall	U Ctr		Poor	Con. Block	Gray	3.4			
905	D	Wall	L Ctr		Poor	Con. Block	Red	3.7			
910	B	Baseboard	Ctr		Poor	Concrete	Red	1.1	included in walls		
Interior Room 063 Building 2										2,100 ft ²	no D wall side A only side B near stairs, side B
955	A	Wall	U Ctr		Poor	Brick	Gray	3.2			
956	A	Wall	L Ctr		Poor	Brick	Red	6.5			
957	A	Curb	Ctr		Poor	Concrete	Yellow	4.7	100 ft ²		
970	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.6	nq		
973	B	Stairs	Lft	Stringer	Poor	Concrete	Red	1.5	10 ft ²		
988	B	Stairs	Ctr	Stringer	Poor	Concrete	Gray	1.4	10 ft ²		
990	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.7	nq		
999	B	Wall	U Rgt		Poor	Brick	Gray	1			
1000	B	Wall	L Rgt		Poor	Brick	Red	1.7			
1002	C	Wall	U Ctr		Poor	Brick	Gray	1			
1003	C	Wall	L Ctr		Poor	Brick	Red	2.4			
1043	B	Column	Ctr		Poor	Concrete	Red	1.1	50 ft ²		
Interior Room 064 Building 2: W Offices - Central										60 ft ²	
1006	C	Wall	L Ctr		Poor	Brick	Blue	1.2			
Interior Room 065 Building 2: West Offices - South										60 ft ²	
1023	B	Wall	L Ctr		Poor	Con. Block	Tan	1.7			

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
Interior Room 066 Building 2: West Offices - North										
1032	B	Wall	L Ctr		Poor	Con. Block	Green	1.3	250 ft ²	includes all walls
1034	C	Wall	L Ctr		Poor	Con. Block	Green	1.4		
1036	D	Wall	L Ctr		Poor	Con. Block	Green	1.2		
Interior Room 068 Building 2A: North Stairs										
1066	B	Wall	L Ctr		Poor	Brick	Red	1.5	50 ft ²	
Interior Room 074 Building 2A: SW Offices - Stairs										
1102	A	Wall	U Ctr		Poor	Plaster	White	2.1	1,100 ft ²	includes all walls
1103	B	Wall	U Ctr		Poor	Plaster	White	2.3		
1104	C	Wall	U Ctr		Poor	Plaster	White	2		
1105	D	Wall	U Ctr		Poor	Plaster	White	2.7		
1106	A	Wall	L Ctr		Poor	Brick	White	1.1		
1107	B	Wall	L Ctr		Poor	Brick	White	1.2		
Interior Room 083 Building 2B										
1194	A	Wall	L Ctr		Poor	Brick	Red	1.5	850 ft ²	includes all walls
1196	B	Wall	L Ctr		Poor	Brick	Red	1.5		
1198	C	Wall	L Ctr		Poor	Brick	Red	1.3		
1200	D	Wall	L Ctr		Poor	Brick	Red	1.4		
1208	A	Wall	L Rgt		Poor	Brick	Gray	1.8		
Interior Room 091 Building 1 - Entry										
1294	A	Wall	L Ctr		Poor	Brick	White	1.6	500 ft ²	includes all walls
1296	C	Wall	U Ctr		Intact	Con. Block	White	1.5		
1297	D	Wall	U Ctr		Poor	Con. Block	White	1.1		
Interior Room 092 Building 1 - Entry - Second Level										
1300	A	Wall	U Ctr		Poor	Con. Block	Green	1.2	800 ft ²	includes all walls
1301	A	Wall	L Ctr		Poor	Brick	Green	1.6		
1302	A	Wall	L Ctr		Poor	Brick	Tan	1.5		
Interior Room 093 Building 1 - East										
1310	A	Wall	L Ctr		Poor	Con. Block	Tan	1.8	50 ft ²	near south door

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

* All similar materials with the same paint history are to be categorized in the same manner. For example if a window sill on side A is positive for lead-based paint, then all similar window sills are assumed to contain lead-based paint.

Asbestos / Lead Paint / Waste Inventory

LEAD PAINT SUMMARY: (Wood/Metal Substrates)

Testing for lead-based paint analyzes all layers of paint on a particular surface area simultaneously. The testing does not specifically identify which layer or color of paint contains lead. A positive testing location entails that some layer of paint on that particular surface contains lead in paint in excess or equal to 1.0 mg/cm².

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)	Quantity	Comment	
Exterior 005 Building 16A											
1616	D	Post	Rgt		Poor	Metal	Red	1.9	2 total		
1621	D	Hook	Lft		Poor	Metal	Yellow	1.2		1 total	
Exterior 006 Building 13											
1697	A	Railing	Ctr	Railing	Poor	Wood	Yellow	1.6	throughout	on roof	
Exterior 014 Building 15											
1655	C	Stairs	Lft	Railing cap	Poor	Metal	Yellow	1.6	1 total	C side, east D side, north	
1658	D	Valve	Rgt		Poor	Metal	Red	1.2	2 total		
Exterior 019 Building 8A											
1665	C	Railing	Ctr	Railing	Poor	Metal	Gray	1.5	1 total	near OHD	
Exterior 021 Building 12											
1562	B	Railing	Rgt	Railing	Poor	Metal	Yellow	2.4	1 total	around drain	
1566	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.6	1 total		
1573	B	Pipe	Lft		Poor	Metal	Red	1.2	1 total		
1574	B	Ladder	Lft		Poor	Metal	Yellow	4.4	1 total		
1575	B	Valve	Lft		Poor	Metal	Red	4.5	2 total		
1709	B	Railing	Ctr	Railing	Poor	Metal	Yellow	2.5	throughout		on roof
Exterior 028 Building 17											
1538	A	Casing	Lft		Poor	Metal	Green	1.6	10 ft²	near overhead doors	
1542	A	Casing	Ctr		Poor	Metal	Gray	1.1	10 ft²		
1549	B	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.2	1 total		
1553	B	Conduit	Rgt		Poor	Metal	Red	1.5	1 total		
Exterior 046 Building 3B											
1518	B	Post	Lft		Poor	Metal	Yellow	2.2	3 total	others negative	
1519	B	Column	Lft		Poor	Metal	Gray	1.5			1 total
1520	B	Railing	Lft	Railing	Poor	Metal	Yellow	1.9			1 total
Exterior 047 Building 3											
1487	A	Ladder	Rgt		Poor	Metal	Yellow	2.4	2 total		
1489	A	OH Case	Ctr		Poor	Metal	Tan	1.4	1 total		

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
1491	A	Door	Ctr	Rgt casing	Poor	Metal	Tan	2.7	1 total	
1494	A	Window	Ctr	Sash	Poor	Wood	Tan	1.1	1 total	
1501	B	Ladder	Lft		Poor	Metal	Yellow	3.1		
1716	C	Railing	Ctr	Railing	Poor	Metal	Yellow	2.8	1 total	
Exterior 048 Building 7										
1706	A	Conduit	Ctr		Poor	Metal	Orange	1.4		on roof
1713	A	Railing	Ctr	Railing	Poor	Metal	Yellow	1.6		on roof
Exterior 053 Building 8										
1670	D	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.2	3 total	
1672	D	Stairs	Rgt	Railing cap	Poor	Metal	Gray	1.5	2 total	
1675	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.2		
1677	D	Stairs	Ctr	Railing cap	Poor	Metal	Gray	1.4		
1680	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.3		
1683	D	Ladder	Lft		Poor	Metal	Yellow	4	1 total	
Exterior 058 Building 9										
1685	D	Valve	Rgt		Poor	Metal	Red	1.2	2 total	
1687	D	Door	Lft	Rgt casing	Poor	Metal	Gray	1	1 total	
1689	D	Stairs	Lft	Railing cap	Poor	Metal	Yellow	1.9	1 total	
1690	D	Ladder	Lft		Poor	Metal	Yellow	2.7	1 total	
Exterior 093 Building 1 - East										
1470	D	Door	Rgt	Rgt casing	Poor	Metal	White	1.2	1 total	
1471	D	Door	Rgt	U Ctr	Poor	Metal	White	1.5	1 total	
Exterior 095 Building 1 - West										
1482	A	Door	Rgt	Header	Poor	Wood	Tan	1.3	1 total	
1484	A	Pipe	Rgt		Poor	Metal	Red	1.2	1 total	
Exterior 100 Building 11B										
1748	D	Post	Ctr		Poor	Metal	Yellow	1.3	4 total	
1749	D	Railing	Ctr	Railing	Poor	Metal	Yellow	1.1	1 total	
Exterior 102 Building 14										
1763	B	Post	Ctr		Poor	Metal	Yellow	1.2	6 total	west
Exterior 105 Building 16B										
1782	A	Railing	Ctr	Railing	Poor	Metal	Yellow	9	1 total	
1783	A	Post	Ctr		Poor	Metal	Yellow	>9.9	4 total	
Interior Room 001 Building 16 - Loading										
1593	A	Post	Lft		Poor	Metal	Yellow	4.7	2 total	
Interior Room 004 Building 16 - Offices										

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
53	D	Ladder	Ctr		Intact	Metal	Yellow	1.8	1 total	
Interior Room 005 Building 16A										
61	A	Post	Ctr		Poor	Metal	Yellow	6.2	5 total	
78	C	Ladder	Ctr		Poor	Metal	Yellow	2.1	2 total	
81	C	Mezz Rg	Ctr		Intact	Metal	Yellow	1.2	1 total	
82	D	Railing	Lft	Railing	Poor	Metal	Yellow	2	2 total	
Interior Room 006 Building 13										
111	C	Post	Rgt		Poor	Metal	Yellow	>9.9	27 total	
112	D	Sliding D.	Lft		Intact	Metal	Gray	>9.9	2 total	
113	D	Sliding D.	Lft		Intact	Metal	Red	>9.9		
120	C	Railing	Ctr	Railing	Poor	Metal	Yellow	1.7	1 total	
122	C	Column	Ctr		Intact	Metal	Yellow	3.1	32 total	
Interior Room 009 Building 13 - Staging Area										
134	A	Post	Ctr		Poor	Metal	Yellow	>9.9	33 total	
Interior Room 014 Building 15										
163	B	Post	Rgt		Poor	Metal	Yellow	>9.9	23 total	
167	C	Door	Lft	Rgt casing	Poor	Metal	Gray	1	3 total	
176	B	Tack Board	Rgt		Poor	Wood	Gray	1.2	1 total	
185	C	Wall	L Rgt		Poor	Metal	Red	4.3	5 ft ²	isolated section
Interior Room 015 Building 15 - Staging Area										
197	C	Post	Ctr		Poor	Metal	Yellow	5	31 total	
200	C	Sliding D.	Rgt		Poor	Wood	Gray	1.9	3 total	
Interior Room 017 Building 15 - Second Level - Women's										
208	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.1	2 total	
Interior Room 019 Building 8A										
228	B	Door	Ctr	Rgt casing	Poor	Metal	Red	1.4	1 total	on same door
229	B	Door	Ctr	U Ctr	Poor	Metal	Red	>9.9	1 total	
231	B	Post	Rgt		Poor	Metal	Yellow	7.4	11 total	
235	B	Column	Ctr		Poor	Metal	Yellow	1.2	12 total	
241	C	Railing	Lft	Railing	Poor	Metal	Yellow	1.4	1 total	
252	A	Door	Lft	Rgt casing	Poor	Metal	Gray	1.6	3 total	all on A side
Interior Room 021 Building 12										
266	A	Column	Lft		Poor	Metal	Gray	1.2	20 total	includes all columns
267	A	Column	Lft		Poor	Metal	Red	2.1		
306	D	OH Case	Lft		Poor	Metal	Red	1	3 total	all on D side
307	D	OH Case	Lft		Poor	Metal	Red	3.4		

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment		
308	D	Sliding D.	Lft		Poor	Metal	Gray	>9.9	2 total			
309	D	Post	Lft		Poor	Metal	Yellow	8.2	5 total			
324	B	Column	Rgt		Poor	Metal	Yellow	2.6				
330	D	Column	Ctr		Poor	Metal	Yellow	1				
331	D	Column	Ctr		Poor	Metal	Red	1.2				
333	B	Toe Kick	Ctr		Poor	Metal	Yellow	1.4	1 total			
Interior Room 022 Building 12 - West Lab												
347	B	Door	Ctr	Rgt casing	Poor	Metal	Red	1	1 total			
Interior Room 027 Building 10												
381	A	Door	Rgt	Rgt casing	Poor	Metal	Red	1.1	9 total	includes all		
382	A	Door	Rgt	U Ctr	Poor	Metal	Gray	9.7	5 total			
383	A	Post	Rgt		Poor	Metal	Yellow	>9.9	16 total			
390	C	Column	Ctr		Poor	Metal	Gray	1.2	33 total	includes all columns		
391	C	Column	Ctr		Poor	Metal	Red	1.9				
394	D	Door	Rgt	Rgt casing	Poor	Metal	Red	1				
402	C	Column	Ctr		Poor	Metal	Yellow	1.7				
403	A	Column	Ctr		Poor	Metal	Gray	1.9				
1432	B	Pipe	Ctr		Poor	Metal	Yellow	1.5				near ceiling
Interior Room 028 Building 17												
419	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.8	7 total	includes all		
421	A	Stairs	Rgt	Risers	Poor	Metal	Gray	1.1	15 ft²			
423	A	Post	Ctr		Poor	Metal	Yellow	3	23 total			
426	A	Door	Lft	Rgt casing	Poor	Metal	Red	2.2				
427	A	Door	Lft	U Ctr	Poor	Wood	Gray	1.7				
428	A	Stairs	Lft	Railing cap	Poor	Metal	Gray	1.3	1 total			
429	A	Stairs	Lft	Stringer	Poor	Metal	Gray	1.2	10 ft²			
433	B	Railing	Lft	Railing	Poor	Metal	Yellow	9.1	1 total			
440	C	Post	Ctr		Poor	Metal	Yellow	6.4				
446	C	Pipe	Rgt		Poor	Metal	Red	1.4	6 total			
450	D	Pipe	Lft		Poor	Metal	Red	1				
456	D	Elec. Panel	Ctr		Poor	Metal	Gray	2.4	4 total			
460	D	Pipe	Rgt		Poor	Metal	Red	1				
477	C	Door	Ctr	U Ctr	Poor	Metal	Red	9.3				
478	A	Door	Lft	Rgt casing	Poor	Metal	Gray	1.2				
479	A	Door	Lft	U Ctr	Poor	Metal	Gray	2.2				
Interior Room 029 Building 17 - Staging Area												

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
483	A	Post	Lft		Poor	Metal	Yellow	9.5	15 total	
484	C	Door	Ctr	U Ctr	Poor	Wood	Red	1.5	3 total	
486	D	Pipe	Lft		Poor	Metal	Red	1.6	1 total	
Interior Room 030 Building 17 - Mezzanine										
489	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.3		already quantified
490	A	Door	Ctr	U Ctr	Poor	Metal	Gray	1.2		
491	C	Railing	Ctr	Railing	Poor	Metal	Gray	2.2		
Interior Room 034 Building 11										
506	A	Column	Ctr		Poor	Metal	Gray	1	34 total	
507	A	Column	Ctr		Poor	Metal	Yellow	1.4		
510	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.7	3 total	
511	A	Door	Rgt	U Ctr	Poor	Metal	Gray	1.4		
512	B	Railing	Lft	Railing	Poor	Metal	Yellow	4.8	1 total	
513	B	Post	Lft		Poor	Metal	Yellow	4.4	5 total	
514	B	Pipe	Lft		Poor	Metal	Yellow	4.5	5 total	
517	B	Column	Lft		Poor	Metal	White	2		
524	B	Post	Rgt		Poor	Metal	Yellow	>9.9		
525	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.6		
530	C	Pipe	Lft		Poor	Metal	Red	1.2		
531	C	Column	Lft		Poor	Metal	Red	1.7		
535	D	Column	Lft		Poor	Metal	Red	1.3		
536	D	Pipe	Lft		Poor	Metal	Red	8.3		
539	D	Door	Lft	U Ctr	Poor	Metal	Gray	>9.9	2 total	sliding doors
540	D	Door	Ctr	U Ctr	Poor	Metal	Gray	>9.9		
541	D	Door	Ctr	Rgt casing	Poor	Metal	Red	1	2 total	sliding door case
542	D	Column	Ctr		Poor	Metal	Yellow	2.2		
543	D	Pipe	Ctr		Poor	Metal	Yellow	5.4		
548	D	Column	Rgt		Poor	Metal	Red	1.4		
550	D	Door	Rgt	Rgt casing	Poor	Metal	White	1.2		
551	D	Door	Rgt	U Ctr	Poor	Metal	Gray	1.1		
Interior Room 038 Building 11 - First Aid										
567	D	Door	Lft	Rgt casing	Poor	Metal	Gray	1	3 total	
Interior Room 039 Building 11 - Electronics										
569	D	Door	Lft	Rgt casing	Poor	Metal	Tan	1	2 total	
Interior Room 040 Building 4										

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
588	A	Railing	Ctr	Railing	Poor	Metal	Yellow	4.8	1 total	
589	A	Door	Lft	Rgt casing	Poor	Metal	Gray	2.9	1 total	
1451	A	Rf. Truss	Ctr		Poor	Metal	Tan	2.3		at ceiling
Interior Room 041 Building 4A										
594	A	Elec. Panel	Ctr		Poor	Metal	Yellow	2.6	3 total	
595	A	Door	Rgt	Rgt casing	Poor	Metal	Red	1.2	3 total	
605	C	Door	Ctr	Rgt casing	Poor	Metal	Red	1.9		
609	C	Door	Rgt	Rgt casing	Poor	Metal	Red	5		
Interior Room 042 Building 4B										
621	D	Door	Rgt	Rgt casing	Poor	Metal	Red	2.1	1 total	
622	D	Door	Rgt	U Ctr	Poor	Wood	Red	1.9	1 total	
623	B	Column	Ctr		Poor	Metal	Tan	1.4	1 total	
Interior Room 043 Building 11A										
625	C	Pipe	Ctr		Intact	Metal	Yellow	3.6	throughout	
Interior Room 044 Building 3C										
650	B	Door	Lft	Rgt casing	Poor	Metal	Gray	1.3	2 total	
653	B	Pipe	Ctr		Poor	Metal	Red	>9.9	3 total	
654	C	Pipe	Rgt		Poor	Metal	Red	>9.9		
655	D	Pipe	Lft		Poor	Metal	Red	1.1		
656	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.1		
658	D	OH Case	Ctr		Poor	Wood	Red	1.1	1 total	
Interior Room 046 Building 3B										
670	C	Door	Rgt	U Ctr	Poor	Wood	White	1.3	1 total	
675	D	Railing	Lft	Railing	Poor	Metal	Yellow	3.2		around tank
676	D	Toe Kick	Lft		Poor	Metal	Yellow	3.2		around tank
677	D	Ladder	Lft		Poor	Metal	Yellow	3.7	3 total	around tank
684	D	OH Case	Rgt		Poor	Metal	Yellow	1.2	1 total	
685	D	OH Case	Rgt		Poor	Metal	Gray	1	1 total	
686	D	OH Door	Rgt		Poor	Wood	Yellow	1.3	1 total	
691	A	Railing	Rgt	Railing	Poor	Metal	Yellow	2.7	1 total	on ground
1455	D	Pipe	Ctr		Poor	Metal	Yellow	2.3		at ceiling
Interior Room 047 Building 3										
720	D	Column	Lft		Poor	Metal	Tan	2.6	7 total	
721	D	Column	Lft		Poor	Metal	Green	2.6		
729	D	Pipe	Rgt		Poor	Metal	Red	1.2	3 total	
730	D	Railing	Rgt	Railing	Poor	Metal	Yellow	4.3	1 total	

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
732	A	Door	Lft	Rgt casing	Poor	Metal	Tan	3.1	1 total	on A side
733	A	Door	Lft	Rgt casing	Poor	Metal	Red	2		
737	B	Column	Ctr		Poor	Metal	Tan	1.7		
738	B	Column	Ctr		Poor	Metal	Red	2.9		
740	B	Column	Ctr		Poor	Metal	Yellow	1.6		
744	B	Ladder	Ctr		Poor	Metal	Yellow	2.4		
745	B	Railing	Ctr	Railing	Poor	Metal	Yellow	2.7		
746	B	Toe Kick	Ctr		Poor	Metal	Yellow	2.7		
Interior Room 048 Building 7										
758	B	Post	Ctr		Poor	Metal	Yellow	>9.9	5 total	not all positive
761	B	Railing	Lft	Railing	Poor	Metal	Yellow	3.1		
769	A	Column	Ctr		Poor	Metal	Yellow	1		
773	B	Column	Ctr		Poor	Metal	Stripe	1.9		
774	A	Transformer	Ctr		Poor	Metal	Green	1.4		
1392	B	Pipe	Ctr		Poor	Metal	Yellow	1.3		
Interior Room 052 Building 7 - Men's										
791	A	Stall	Ctr		Poor	Metal	Red	2.4	1 total	in men's only
792	D	Door	Lft	Rgt casing	Poor	Metal	Red	2.6		
Interior Room 053 Building 8										
814	D	Door	Lft	Rgt casing	Poor	Metal	Gray	1.1	3 total	
815	D	Door	Lft	U Ctr	Poor	Metal	Gray	1		
819	D	Pipe	Rgt		Poor	Metal	Red	1		
820	A	Post	Lft		Poor	Metal	Yellow	1.7		
821	A	Column	Ctr		Poor	Metal	Yellow	1.8		
836	C	Door	Ctr	U Ctr	Poor	Metal	Gray	>9.9		
Interior Room 055 Building 8: NC Storage										
856	C	Railing	Ctr	Railing	Poor	Metal	Yellow	3.4	1 total	
Interior Room 057 Building 8: NE Vestibule										
878	C	Door	Lft	Rgt casing	Poor	Metal	White	1.3	2 total	
Interior Room 058 Building 9										
894	A	Column	Ctr		Poor	Metal	Yellow	1.2	51 total	
916	C	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.3		
917	C	Door	Ctr	U Ctr	Poor	Wood	Red	1.8		
920	D	Column	Lft		Poor	Metal	Red	3.6		
923	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.2		
Interior Room 059 Building 9: Restroom										

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
906	B	Door	Ctr	Rgt casing	Poor	Metal	Red	2.2	1 total	
907	B	Door	Ctr	U Ctr	Poor	Wood	Red	1.7	1 total	
Interior Room 063 Building 2										
960	A	Window	Ctr	Rgt casing	Poor	Wood	Gray	7.9	1 total	
962	A	Wall	L Rgt		Poor	Wood	Red	1.3	75 ft ²	
963	A	Door	Lft	Rgt casing	Poor	Metal	Red	1.6	2 total	
964	A	Door	Lft	U Ctr	Poor	Metal	Red	1.5	2 total	
967	A	Post	Rgt		Poor	Metal	Yellow	1.3	3 total	
974	B	Stairs	Lft	Railing cap	Poor	Metal	Gray	4.1	3 total	not all positive includes all
975	B	Small Post	Lft		Poor	Metal	Yellow	3.8	2 total	
976	A	Column	Ctr		Poor	Metal	Yellow	1.7	39 total	includes all columns
977	B	Column	Lft		Poor	Metal	Gray	3.6		
978	B	Column	Lft		Poor	Metal	Red	6.8		
986	B	Stairs	Ctr	Railing cap	Poor	Metal	Red	3.9		
995	B	Stairs	Ctr	Railing cap	Poor	Metal	Red	1.6		
997	B	Pipe	Rgt		Poor	Metal	Gray	4.4	4 total	
998	B	Pipe	Rgt		Poor	Metal	Red	1.9		
1005	C	Column	Ctr		Poor	Metal	Gray	1.6		
1013	C	Post	Lft		Poor	Metal	Yellow	>9.9		
1381	A	Ceiling			Poor	Wood	White	1.9	32,500 ft ²	
1382	A	Horiz. Beam	Ctr		Poor	Metal	White	2.5		at ceiling
1384	A	Rf. Truss	Ctr		Poor	Metal	White	2.1		at ceiling
Interior Room 066 Building 2: West Offices - North										
1042	B	Pipe	Ctr		Poor	Metal	Green	1	1 total	
Interior Room 068 Building 2A: North Stairs										
1067	A	Stairs	Ctr	Railing cap	Poor	Metal	Red	3.1	1 total	
Interior Room 070 Building 2A: South Stairs										
1078	A	Stairs	Ctr	Railing cap	Poor	Metal	Red	2	1 total	
Interior Room 074 Building 2A: SW Offices - Stairs										
1102	A	Wall	U Ctr		Poor	Plaster	White	2.1	600 ft ²	includes all walls
1103	B	Wall	U Ctr		Poor	Plaster	White	2.3		
1104	C	Wall	U Ctr		Poor	Plaster	White	2		
1105	D	Wall	U Ctr		Poor	Plaster	White	2.7		
1108	A	Stairs	Ctr	Railing cap	Poor	Metal	Gray	2.4	1 total	
1124	D	Window	Ctr	Rgt casing	Poor	Wood	White	1.4	2 total	
Interior Room 076 Building 2A: SW Storage - South										

Asbestos / Lead Paint / Waste Inventory

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)	Quantity	Comment
1132	A	Horiz. Beam	Ctr		Poor	Metal	Green	2.6	nq	near ceiling
1133	A	Ceiling			Poor	Wood	Green	2.3	nq	near ceiling
Interior Room 077 Building 2A: SW Storage - North										
1139	A	Horiz. Beam	Ctr		Poor	Metal	Tan	3.7	nq	near ceiling
1140	A	Horiz. Beam	Ctr		Poor	Metal	Yellow	5	nq	near ceiling
1141	A	Ceiling			Poor	Wood	Tan	2.3	nq	near ceiling
Interior Room 078 Building 2A: East Offices - S. Storage										
1150	C	Horiz. Beam	Ctr		Poor	Metal	Tan	2	nq	near ceiling
1151	C	Ceiling			Poor	Wood	Tan	2.1	nq	near ceiling
Interior Room 083 Building 2B										
1204	A	Column	Ctr		Poor	Metal	Yellow	9.6	1 total	
1209	C	Vert. Beam	Rgt		Poor	Wood	Gray	7.9	4 total	
Interior Room 084 Building 2B - Vault										
1216	A	Door	Ctr	Rgt jamb	Poor	Metal	Tan	>9.9	1 total	
Interior Room 085 Building 2C										
1230	D	Ladder	Ctr		Poor	Metal	Yellow	1.3	1 total	
1231	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	1	8 total	
1235	B	Window	Ctr	Rgt casing	Poor	Metal	Gray	1.2	5 total	
Interior Room 086 Building 2C - Second Level										
1243	A	Rf. Truss	Ctr		Poor	Metal	Tan	1	nq	near ceiling
1244	A	Ceiling			Poor	Wood	Tan	1	nq	near ceiling
Interior Room 092 Building 1 - Entry - Second Level										
1298	A	Ceiling			Poor	Wood	Tan	2.6	nq	near ceiling
1299	A	Rf. Truss	Ctr		Poor	Metal	Tan	1.5	nq	near ceiling
Interior Room 093 Building 1 - East										
1322	B	Vault Door	Rgt		Poor	Metal	White	>9.9	1 total	
Interior Room 100 Building 11B - South										
1740	A	Pipe	Ctr		Poor	Metal	Yellow	1.8	1 total	
1741	C	Valve	Ctr		Poor	Metal	Green	1.4	2 total	
Interior Room 101 Building 11B - North										
1743	C	Pipe	Ctr		Poor	Metal	Yellow	1.4	1 total	
1744	C	Valve	Ctr		Poor	Metal	Red	1.6	2 total	
1746	C	Pipe	Ctr		Intact	Metal	Green	1.2	1 total	

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

* All similar materials with the same paint history are to be categorized in the same manner. For example if a window sill on side A is positive for lead-based paint, then all similar window sills are assumed to contain lead-based paint.

Asbestos / Lead Paint / Waste Inventory

RESTRICTED WASTE SUMMARY:

Location	Building Level	Material Description	Quantity	Comments
Tecumseh Plant	Throughout	Mercury Switch	2	Building 8A – Mezzanine
		Mercury Thermometer	2	Building 10 Building 2
		Mercury Thermostat	23	Buildings: 16, 16A, 13, 15, 12, 17, 11, 1B, 2A, 9,
		Compact Florescent Bulbs	7	Building Exterior
		Florescent Bulbs	7,974	Throughout
		Ballasts	3,577	Throughout
		Fire Extinguisher	11	Buildings: 2B, 17, 4B, 8A, 9B, 3, 2A, Roof,
		Exit Sign (Illuminated)	33	Throughout
		Emergency Light	115	Throughout
		Electrical Panel	2,076	Throughout
		Transformer	291	Throughout
		Large Transformer	7	Buildings: 16, 16A, 12, 4B, 3, 8
		Water Fountain	14	Buildings: 16, 16A, 13, 15, 8A, 12, 17, 10, 11, 9, 7, 2
		Microwave	1	Building 3
		A/C	54	Throughout
		Hydraulic Tank	2	Roof
		Computer Monitors	52	Buildings: 16, 15, 8A, 3A, 4B, 2B, 12, 1, 3, 2A
		Furnace (Roof Units)	18	on roof
		Oil Tank	37	Throughout (near gauges)
		Printer	3	Building 9 Building 10
		Water Chiller	1	on roof
		Compressed Gas	5	Throughout
		Air Compressor	1	Building Exterior
Door Closer	16	Throughout		
Misc. Chemicals	27	Throughout		

Asbestos / Lead Paint / Waste Inventory

Location	Building Level	Material Description	Quantity	Comments
Tecumseh Plant	Throughout	Heater Units	101	Throughout
		Miscellaneous Tanks	33	Throughout
		Fire Alarm	19	Throughout
		Miscellaneous Gauges	74	Throughout
		Security Camera	5	Building 10
		Water Heater	2	Building 2A Building 1A
		High Intensity Discharge Bulbs	141	Throughout
		Overhead Projector	1	Building 2B
		Chiller	46	Mainly of roof
		Generator	2	Roof
		Fuel Pumps	2	Building Exterior

The above list may not be all inclusive and makes assumptions due to the lack of or inaccessible labeling. No material testing was performed. The restricted waste material inventory was limited to currently accessible materials within an occupied facility. Typical areas that may be inaccessible during an investigation include but are not limited to: wall or ceiling cavities; locked or operable electrical panels, operating equipment interiors; and spaces requiring confined space entry procedures. Quantities given are approximate as noted during the site survey. These quantities should be verified by a qualified remediation contractor prior to planning a specific response action..

Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/30/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-1	1	#16	White Garage Door Seam Caulk (East Wall)	None Detected
755-2	1	#16_Wash Room	Tan Terrazzo Sink	None Detected
755-3	1	#16_Men's Bath	4" Tan Ceramic Baseboard (East Wall)	None Detected
755-4	1	#16_Men's Bath	Tan Baseboard Adhesive	None Detected
755-5	2	#16_Mezzanine QC Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-6	2	#16_Mezzanine QC Office	White Drywall	None Detected
755-7	2	#16_Mezzanine QC Office	12" Gray Mottled Floor Tile	None Detected
755-8	2	#16_Mezzanine QC Office	Tan Floor Tile Adhesive	None Detected
755-9	2	#16_Mezzanine North Office	Brown Door Caulk (Inside Door)	None Detected
755-10	2	#16_Mezzanine North Office	Gray Door Caulk (Outside Doorway)	None Detected
755-11	2	#16_Mezzanine North Office	Brown Window Caulk (North and West)	None Detected
755-12	2	#16_Mezzanine North Office	Tan Fiberboard Adhesive	None Detected
755-13	2	#16_Mezzanine Center Office	White Window Glazing (Outside of Window)	2% Chrysotile
755-14	2	#16_Mezzanine Center Office	Gray Door Caulk (On 3 Doors)	None Detected
755-15	1	#16A	White Door Caulk (Small SW Door)	None Detected
755-16	1	#13 East	Clear Window Glazing (West Window)	None Detected
755-17	1	#13 West	White Window Glazing (Lower Window South)	2% Chrysotile
755-18	1	#13 West	White Window Glazing (Upper South Wall)	2% Chrysotile

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	1 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/30/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-19	1	13A (Small Office)	Tan Window Caulk (West Wall)	None Detected
755-20	1	13A (Small Office)	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-21	1	13 West _NE Office	3" Black Vinyl Baseboard	None Detected
755-22	1	13 West _NE Office	2'x4' White Pinhole Fissure Ceiling Tile	None Detected
755-23	2	13 West _Mezzanine NE Office	12" Beige Mottled Floor Tile	None Detected
755-24	2	13 West _Mezzanine NE Office	Tan Floor Tile Adhesive	None Detected
755-25	1	13 East _NW Lower Office	Black Window Glazing	None Detected
755-26	1	13 East _NW Lower Office	Drywall	None Detected
755-27	1	13 East _NW Lower Office	Joint Compound	None Detected
755-28	1	13 East _NW Lower Office	Composite (only if either is positive)	Sample Not Analyzed
755-29	1	13 East	Red Vinyl Sheet Flooring (Center of Room)	None Detected
755-30	1	13 East _North Dock	Gray Door Caulk (West Door)	None Detected
755-31	2	15 _Mezzanine East Office	Black Tile Spacer	None Detected
755-32	2	15 _Mezzanine East Office	9" Tan Floor Tile	5% Chrysotile
755-33	2	15 _Mezzanine East Office	Black Floor Tile Adhesive	5% Chrysotile
755-34	2	15 _Mezzanine East Office	9" Tan Floor Tile	5% Chrysotile
755-35	2	15 _Mezzanine East Office	Black Floor Tile Adhesive	5% Chrysotile
755-36	2	15 _Mezzanine East Office	12" Gray Mottled Floor Tile	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	2 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/30/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-37	2	15_Mezzanine East Office	Tan Floor Tile Adhesive	None Detected
755-38	2	15_Mezzanine East Office	Gray Door Caulk	None Detected
755-39	2	15_Mezzanine East Office	Drywall	None Detected
755-40	2	15_Mezzanine East Office	Joint Compound	None Detected
755-41	2	15_Mezzanine East Office	Composite (only if either is positive)	Sample Not Analyzed
755-42	2	15_Mezzanine East Office	Gray Vinyl Wall Panel	None Detected
755-43	2	15_Mezzanine East Office	Tan Wall Panel Adhesive	None Detected
755-44	2	15_Mezzanine Men's Bath	Tan Terrazzo Sink	None Detected
755-45	2	15_Mezzanine Men's Bath	4" White Speck Ceramic Backsplash	None Detected
755-46	2	15_Mezzanine Men's Bath	Tan Backsplash Adhesive	None Detected
755-47	2	15_Mezzanine Men's Bath	White Drywall Ceiling Tile	None Detected
755-48	1	8A	Tan Insulation	None Detected
755-49	1	8A	Gray Window Glazing (NE Door)	None Detected
755-50	1	8A	White Window Glazing (Upper NE Windows)	2% Chrysotile
755-51	1	8a_Center Office	Gray Vinyl Baseboard	None Detected
755-52	2	8A Mezzanine	Tan Air Handler Door Insulation	None Detected
755-53A	2	8A Mezzanine	Silver Air Handler Door Gasket	80% Chrysotile
755-53B	1	#12	White Door Caulk	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	3 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/31/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-54	1	#12	White Door Caulk	None Detected
755-55	1	#12	White Window Glazing (south wall)	None Detected
755-56	1	#12	White Window Glazing (south wall)	None Detected
755-57	1	#12 West Room	Tan Wall Insulation (south wall)	None Detected
755-58	1	#12 West Room	Tan Wall Insulation (south wall)	None Detected
755-59	1	#12 West Room	Tan Wall Insulation (south wall)	None Detected
755-60	1	#12 West Room	Clear Seam Caulk (on overhead AHU)	None Detected
755-61	1	#12 West Room	Clear Seam Caulk (on overhead AHU)	None Detected
755-62	1	#12 West Room	White Door Caulk (south doorway)	None Detected
755-63	1	#12 West Room	White Door Caulk (south doorway)	None Detected
755-64	1	#12 West Room	Gray Door Caulk (northeast door)	2% Chrysotile
755-65	1	#12 West Room	Gray Door Caulk (northeast door)	None Detected
755-66	1	#12 West Room	Orange Seam Caulk (on metal tubes)	None Detected
755-67	1	#12 West Room	Orange Seam Caulk (on metal tubes)	None Detected
755-68	1	#12 West Room	Tan Wall Insulation (south wall)	None Detected
755-69	1	#12	Tan Wall Insulation (west conc. block wall)	None Detected
755-70	1	#12	Tan Wall Insulation (west wall outside #12E Rm.)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	4 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/31/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-71	1	#12 SW Office	White 2'x4' Pinhole Worm Ceiling Tile	None Detected
755-72	1	#12 SW Office	White 2'x4' Pinhole Worm Ceiling Tile	None Detected
755-73	1	#12 SW Office	Drywall	None Detected
755-74	1	#12 SW Office	Joint Compound	None Detected
755-75	1	#12 SW Office	Composite (only if either is positive)	Sample Not Analyzed
755-76	1	#12 SW Office	Drywall	None Detected
755-77	1	#12 SW Office	Joint Compound	None Detected
755-78	1	#12 SW Office	Composite (only if either is positive)	Sample Not Analyzed
755-79	1	#12 SW Office	4" Brown Vinyl Baseboard	None Detected
755-80	1	#12 SW Office	Tan Baseboard Adhesive	None Detected
755-81	1	#12 SW Office	4" Brown Vinyl Baseboard	None Detected
755-82	1	#12 SW Office	Tan Baseboard Adhesive	None Detected
755-83	1	#12 SW Office	12" Tan Streak Floor Tile	None Detected
755-84	1	#12 SW Office	Tan Floor Tile Adhesive	None Detected
755-85	1	#12 SW Office	12" Tan Streak Floor Tile	None Detected
755-86	1	#12 SW Office	Tan Floor Tile Adhesive	None Detected
755-87	1	#12 SW Office	White Sheet Rock (south & west upper wall)	None Detected
755-88		#12 SW Office	Tan Adhesive (on concrete block)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	5 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/31/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-89	1	#12 SW Office	White Sheet Rock (south & west upper wall)	None Detected
755-90	1	#12 SW Office	Tan Adhesive (on concrete block)	None Detected
755-91	1	#12 SW Office	Tan Ceiling Caulk (on south & west ceiling)	None Detected
755-92	1	#12 SW Office	Tan Ceiling Caulk (on south & west ceiling)	None Detected
755-93	1	#12 SW Office	White Door Caulk (on SW exit door)	None Detected
755-94	1	#12 SW Office	White Door Caulk (on SW exit door)	None Detected
755-95	1	#12 SW Office	12" Gray Fiber Tile	None Detected
755-96	1	#12 SW Office	Brown Tile Adhesive	None Detected
755-97	1	#12 SW Office	12" Red Fiber Tile	None Detected
755-98	1	#12 SW Office	Brown Tile Adhesive	None Detected
755-99	1	#12 NW Office	Tan Granular Wall Insulation (south wall)	None Detected
755-100	1	#12 NW Office	Tan Granular Wall Insulation (north wall)	None Detected
755-101	1	#12 NW Office	Tan Granular Wall Insulation (east wall)	None Detected
755-102	1	#12 SW Office	Tan Granular Wall Insulation (east wall)	None Detected
755-103	1	#12 NE Spray Booth	Brown Tile Adhesive (on concrete block)	2% Chrysotile
755-104	1	#12 NE Spray Booth	Brown Tile Adhesive (on concrete block)	2% Chrysotile
755-105	1	#12 South Spray Booth	12" White Pinhole ceiling Tile	None Detected
755-106		#12 South Spray Booth	Tan Tile Adhesive (on concrete block)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	6 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	8/31/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-107	1	#12 South Spray Booth	12" White Pinhole ceiling Tile	None Detected
755-108	1	#12 South Spray Booth	Tan Tile Adhesive (on concrete block)	None Detected
755-109	1	#12 SE Engineering Office	12" White Pinhole Ceiling Tile	None Detected
755-110	1	#12 SE Engineering Office	Brown Ceiling Tile Adhesive	None Detected
755-111	1	#12 SE Engineering Office	12" White Pinhole Ceiling Tile	None Detected
755-112	1	#12 SE Engineering Office	Brown Ceiling Tile Adhesive	None Detected
755-113	1	#12 Fuel System Spray Booth	Tan Seam Caulk (west booth)	None Detected
755-114	1	#12 Fuel System Spray Booth	Tan Seam Caulk (east booth)	None Detected
755-115		#12 Fuel System Spray Booth	Tan Seam Caulk (center booth)	None Detected
755-116		#12 Fuel System Spray Booth	Black Window Glazing (outside booth)	None Detected
755-117		#12 Fuel System Spray Booth	Black Window Glazing (outside booth)	None Detected

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-118	1	#12-Fuel Systems Hall	Gray Door Caulk (on concrete block)	None Detected
755-119	1	#12-Fuel Systems Hall	Gray Door Caulk (on concrete block)	None Detected
755-120	1	#12-Fuel Systems Hall	Gray Window Caulk (on concrete block)	None Detected
755-121	1	#12-Fuel Systems Hall	Gray Window Caulk (on concrete block)	None Detected
755-122	1	#12	White Door Caulk (NW door on concrete block)	None Detected
755-123	1	#12	White Door Caulk (NW door on concrete block)	None Detected
755-124	Mezz	#12 East Mezzanine	Tan Wood Panel Adhesive	None Detected
755-125	Mezz	#12 East Mezzanine	Tan Wood Panel Adhesive	None Detected
755-126	Mezz	#12 East Mezzanine	Gold Vinyl Sheet Floor	None Detected
755-127	Mezz	#12 East Mezzanine	Tan Flooring Adhesive (on wood)	None Detected
755-128	Mezz	#12 East Mezzanine	Gold Vinyl Sheet Floor	None Detected
755-129	Mezz	#12 East Mezzanine	Tan Flooring Adhesive (on wood)	None Detected
755-130	Mezz	#12 East Mezzanine	2'x4' White Pinhole Fissure Ceiling Tile	None Detected
755-131	Mezz	#12 East Mezzanine	2'x4' White Pinhole Fissure Ceiling Tile	None Detected
755-132	Mezz	#17 Mezzanine Lab	Black Lab Countertop	None Detected
755-133	Mezz	#17 Mezzanine Lab	Black Lab Countertop	None Detected
755-134	Mezz	#17 Mezzanine Lab	Tan Granular Wall Insulation (north wall)	<1% Tremolite Point Count: <0.25%
755-135	Mezz	#17 Mezzanine Lab	Tan Granular Wall Insulation (north wall)	<1% Tremolite

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	8 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-136	Mezz	#17 Mezzanine Men's Bath	Gray Door Caulk (NW door on conc. Block)	None Detected
755-137	Mezz	#17 Mezzanine Men's Bath	Gray Door Caulk (NW door on conc. Block)	None Detected
755-138	Mezz	#17 Mezzanine Men's Bath	4" White Ceramic Baseboard Tile	None Detected
755-139	Mezz	#17 Mezzanine Men's Bath	Tan Baseboard Adhesive	None Detected
755-140	Mezz	#17 Mezzanine Men's Bath	4" White Ceramic Baseboard Tile	None Detected
755-141	Mezz	#17 Mezzanine Men's Bath	Tan Baseboard Adhesive	None Detected
755-142	Mezz	#17 Mezzanine Men's Bath	Tan Terrazzo Sink	None Detected
755-143	Mezz	#17 Mezzanine Women's Bath	Tan Terrazzo Sink	None Detected
755-144	Mezz	#17 Mezzanine Custodial Closet	White Pipe Fitting	None Detected
755-145	Mezz	#17 Mezzanine Custodial Closet	White Pipe Fitting	None Detected
755-146	Mezz	#17 Mezzanine Custodial Closet	Gray Door Caulk (NW Door on CB)	None Detected
755-147	Mezz	#17 Mezzanine Custodial Closet	Gray Door Caulk (NW Door on CB)	None Detected
755-148	1	#11 NW Office	12" Green Floor Tile	None Detected
755-149	1	#11 NW Office	Tan Floor Tile Adhesive	None Detected
755-150	1	#11 NW Office	12" Green Floor Tile	None Detected
755-151	1	#11 NW Office	Tan Floor Tile Adhesive	None Detected
755-152	1	#11 NW Office	Tan Wall Panel Adhesive (on wood)	None Detected
755-153	1	#11 NW Office	Tan Wall Panel Adhesive (on wood)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	9 of 28
------------------	-------------------------	-----------------------	------------------	--------------	---------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-154	1	#11 NW Office	White Door Caulk (on conc. block)	None Detected
755-155	1	#11 NW Office	White Door Caulk (on conc. block)	None Detected
755-156	1	#11 NW Office	Brown Wall Panel Adhesive (on conc. block)	5% Chrysotile
755-157	1	#11 NW Office	Brown Wall Panel Adhesive (on conc. block)	5% Chrysotile
755-158	1	#11 QC Office	12" Cream Floor Tile (Top Layer)	None Detected
755-159	1	#11 QC Office	Tan Floor Tile Adhesive (Top Layer)	None Detected
755-160	1	#11 QC Office	9" Green Streak Floor Tile (Bottom Layer)	10% Chrysotile
755-161	1	#11 QC Office	Black Floor Tile Adhesive (Bottom Layer)	10% Chrysotile
755-162	1	#11 QC Office	12" Cream Floor Tile (Top Layer)	None Detected
755-163	1	#11 QC Office	Tan Floor Tile Adhesive (Top Layer)	None Detected
755-164	1	#11 QC Office	9" Green Streak Floor Tile (Bottom Layer)	10% Chrysotile
755-165	1	#11 QC Office	Black Floor Tile Adhesive (Bottom Layer)	10% Chrysotile
755-166	1	#11 QC Office	4" Green Vinyl Baseboard	None Detected
755-167	1	#11 QC Office	Tan Baseboard Adhesive	None Detected
755-168	1	#11 QC Office	4" Green Vinyl Baseboard	None Detected
755-169	1	#11 QC Office	Tan Baseboard Adhesive	None Detected
755-170	1	#11 QC Office	2'x4' White Pinhole Crater Ceiling Tile	None Detected
755-171	1	#11 QC Office	2'x4' White Pinhole Crater Ceiling Tile	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	10 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-172	1	#11 Safety Office	4" Tan Vinyl Baseboard	None Detected
755-173	1	#11 Safety Office	Tan Baseboard Adhesive	None Detected
755-174	1	#11 Safety Office	4" Tan Vinyl Baseboard	None Detected
755-175	1	#11 Safety Office	Tan Baseboard Adhesive	None Detected
755-176	1	#11 Safety Office	12" Cream Floor Tile	None Detected
755-177	1	#11 Safety Office	Black/Tan Floor Tile Adhesive	<1% Chrysotile
755-178	1	#11 Safety Office	12" Cream Floor Tile	None Detected
755-179	1	#11 Safety Office	Black/Tan Floor Tile Adhesive	<1% Chrysotile
755-180	1	#11 First Aid Office	12" Gray Mottled Floor Tile	None Detected
755-181	1	#11 First Aid Office	Black Floor Tile Adhesive	5% Chrysotile
755-182	1	#11 First Aid Office	12" Gray Mottled Floor Tile	None Detected
755-183	1	#11 First Aid Office	Black Floor Tile Adhesive	5% Chrysotile
755-184	1	#11 First Aid Office	4" Tan Vinyl Baseboard	None Detected
755-185	1	#11 First Aid Office	Tan Baseboard Adhesive	None Detected
755-186	1	#11 First Aid Office	4" Tan Vinyl Baseboard	None Detected
755-187	1	#11 First Aid Office	Tan Baseboard Adhesive	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	11 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-188	1	#7 NW Office	2'x4' White Pinhole Ceiling Tile	None Detected
755-189	1	#7 NW Office	2'x4' White Pinhole Ceiling Tile	None Detected
755-190	1	#7 NW Office	12" Gray Floor Tile	None Detected
755-191	1	#7 NW Office	Tan Floor Tile Adhesive	None Detected
755-192	1	#7 NW Office	12" Gray Floor Tile	None Detected
755-193	1	#7 NW Office	Tan Floor Tile Adhesive	None Detected
755-194	1	#7 Women's Bath	2'x2' White Drywall Ceiling Tile	None Detected
755-195	1	#7 Women's Bath	2'x2' White Drywall Ceiling Tile	None Detected
755-196	1	#7 Women's Bath	4" Gray Vinyl Baseboard	None Detected
755-197	1	#7 Women's Bath	Tan Baseboard Adhesive	None Detected
755-198	1	#7 Women's Bath	4" Gray Vinyl Baseboard	None Detected
755-199	1	#7 Women's Bath	Tan Baseboard Adhesive	None Detected
755-200	1	#7 Women's Bath	Tan Wall Panel Adhesive (on conc. block)	None Detected
755-201	1	#7 Women's Bath	Tan Wall Panel Adhesive (on conc. block)	None Detected
755-202	1	#7 West Bath	Brown Toilet Seam Caulk	None Detected
755-203	1	#7 West Bath	Clear Toilet Seam Caulk	None Detected
755-204	1	#7 West Bath	Tan Wall Panel Adhesive (on conc. block)	None Detected
755-205	1	#7 West Bath	Tan Wall Panel Adhesive (on conc. block)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	12 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-206	1	#7 West Bath	Tan Terrazzo Sink	None Detected
755-207	1	#7 West Bath	Tan Terrazzo Sink	None Detected
755-208	2	#2C East Upper Office Cluster	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-209	2	#2C East Upper Office Cluster	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-210	2	#2C East Upper Office Cluster	4" Tan Vinyl Baseboard	None Detected
755-211	2	#2C East Upper Office Cluster	Tan Baseboard Adhesive	None Detected
755-212	2	#2C East Upper Office Cluster	4" Tan Vinyl Baseboard	None Detected
755-213	2	#2C East Upper Office Cluster	Tan Baseboard Adhesive	None Detected
755-214	2	#2C East Upper Office Cluster	Drywall	None Detected
755-215	2	#2C East Upper Office Cluster	Joint Compound	None Detected
755-216	2	#2C East Upper Office Cluster	Composite (only if either is positive)	Sample Not Analyzed
755-217	2	#2C East Upper Office Cluster	Drywall	None Detected
755-218	2	#2C East Upper Office Cluster	Joint Compound	None Detected
755-219	2	#2C East Upper Office Cluster	Composite (only if either is positive)	Sample Not Analyzed
755-220	2	#2C East Upper Office Cluster	12" Tan Mottled Floor Tile	None Detected
755-221	2	#2C East Upper Office Cluster	Tan Floor Tile Adhesive	None Detected
755-222	2	#2C East Upper Office Cluster	12" Tan Mottled Floor Tile	None Detected
755-223	2	#2C East Upper Office Cluster	Tan Floor Tile Adhesive	None Detected



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/04/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-224	2	#2C East Upper Office Cluster	Brown Wall Panel Adhesive (on drywall)	None Detected
755-225	2	#2C East Upper Office Cluster	Brown Wall Panel Adhesive (on drywall)	None Detected
755-226	2	#2C East Upper Office Cluster	12" Beige Streak Floor Tile	None Detected
755-227	2	#2C East Upper Office Cluster	Tan Floor Tile Adhesive (on wood)	None Detected
755-228	2	#2C East Upper Office Cluster	12" Beige Streak Floor Tile	None Detected
755-229	2	#2C East Upper Office Cluster	Tan Floor Tile Adhesive (on wood)	None Detected
755-230	2	#2C East Upper Hazardous Waste Room	White Fume Hood Seam Caulk	None Detected
755-231	2	#2C East Upper Hazardous Waste Room	White Fume Hood Seam Caulk	None Detected
755-232	2	#2C East Upper Hazardous Waste Room	Tan Air Handler Caulk (on metal)	None Detected
755-233	2	#2C East Upper Hazardous Waste Room	Tan Air Handler Caulk (on metal)	None Detected
755-234	2	#2B North Office	2'x2' White Pinhole Worm Ceiling Tile	None Detected
755-235	2	#2B North Office	2'x2' White Pinhole Worm Ceiling Tile	None Detected
755-236	2	#2B South Upper Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-237	2	#2B South Upper Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-238	2	#2B South Upper Office	12" Gray Mottled Floor Tile	None Detected
755-239	2	#2B South Upper Office	Tan Floor Tile Adhesive (on concrete)	None Detected
755-240	2	#2B South Upper Office	12" Gray Mottled Floor Tile	None Detected
755-241	2	#2B South Upper Office	Tan Floor Tile Adhesive (on concrete)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	14 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/05/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-242	2	#2B South Upper Office	Tan Carpet Adhesive (on floor tile)	None Detected
755-243	2	#2B South Upper Office	Tan Carpet Adhesive (on floor tile)	None Detected
755-244	2	#2B South Upper Office	2'x4' White Pinhole Ceiling Tile	None Detected
755-245	2	#2B South Upper Office	Brown Wall Tile Adhesive (on conc. block)	None Detected
755-246	2	#2B South Upper Office	2'x4' White Pinhole Ceiling Tile	None Detected
755-247	2	#2B South Upper Office	Brown Wall Tile Adhesive (on conc. block)	None Detected
755-248	2	#2B South Upper Office	Drywall	None Detected
755-249	2	#2B South Upper Office	Joint Compound	None Detected
755-250	2	#2B South Upper Office	Composite (only if either is positive)	Sample Not Analyzed
755-251	2	#2B South Upper Office	Drywall	None Detected
755-252	2	#2B South Upper Office	Joint Compound	None Detected
755-253	2	#2B South Upper Office	Composite (only if either is positive)	Sample Not Analyzed
755-254	2	#2A North Mezzanine Office	5" Gray Vinyl Baseboard	None Detected
755-255	2	#2A North Mezzanine Office	Tan Baseboard Adhesive	None Detected
755-256	2	#2A North Mezzanine Office	5" Gray Vinyl Baseboard	None Detected
755-257	2	#2A North Mezzanine Office	Tan Baseboard Adhesive	None Detected
755-258	2	#2A North Mezzanine Office	Drywall	None Detected
755-259	2	#2A North Mezzanine Office	Joint Compound	None Detected

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/05/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-260	2	#2A South Mezzanine Office	Composite (only if either is positive)	Sample Not Analyzed
755-261	2	#2A South Mezzanine Office	Drywall	None Detected
755-262	2	#2A South Mezzanine Office	Joint Compound	None Detected
755-263	2	#2A South Mezzanine Office	Composite (only if either is positive)	Sample Not Analyzed
755-264	2	#2A South Mezzanine Office	5" Brown Vinyl Baseboard	None Detected
755-265	2	#2A South Mezzanine Office	Tan Baseboard Adhesive (on drywall)	None Detected
755-266	2	#2A South Mezzanine Office	5" Brown Vinyl Baseboard	None Detected
755-267	2	#2A South Mezzanine Office	Tan Baseboard Adhesive (on drywall)	None Detected
755-268	2	#2A South Mezzanine Office	12" Tan Mottled Floor Tile (bottom layer)	None Detected
755-269	2	#2A South Mezzanine Office	Black Floor Tile Adhesive (on concrete)	None Detected
755-270	2	#2A South Mezzanine Office	12" Tan Mottled Floor Tile (bottom layer)	None Detected
755-271	2	#2A South Mezzanine Office	Black Floor Tile Adhesive (on concrete)	None Detected
755-272	2	#2A South Mezzanine Office	12" Gray Mottled Floor Tile (top layer)	None Detected
755-273	2	#2A South Mezzanine Office	Tan Floor Tile Adhesive (on tile)	None Detected
755-274	2	#2A South Mezzanine Office	12" Gray Mottled Floor Tile (top layer)	None Detected
755-275	2	#2A South Mezzanine Office	Tan Floor Tile Adhesive (on tile)	None Detected
755-276	2	#2A South Mezzanine Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-277	2	#2A South Mezzanine Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	16 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/05/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-278	2	#2A South Mezzanine Stair	Tan Wall Panel Adhesive (on wood)	None Detected
755-279	2	#2A South Mezzanine Stair	Tan Wall Panel Adhesive (on wood)	None Detected
755-280	2	#2A Mezzanine Washroom	Tan Terrazzo Sink	None Detected
755-281	2	#2A Mezzanine Washroom	Tan Terrazzo Sink	None Detected
755-282	2	#2A Mezzanine Washroom	12" Gray Mottled Floor Tile	None Detected
755-283	2	#2A Mezzanine Washroom	Tan Floor Tile Adhesive (on concrete)	None Detected
755-284	2	#2A Mezzanine Washroom	12" Gray Mottled Floor Tile	None Detected
755-285	2	#2A Mezzanine Washroom	Tan Floor Tile Adhesive (on concrete)	None Detected
755-286	1	#2A Southeast Bathroom	2'x4' White Solid Drywall Ceiling Tile	None Detected
755-287	1	#2A Southeast Bathroom	2'x4' White Solid Drywall Ceiling Tile	None Detected
755-288	1	#2A Southeast Bathroom	3" Tan Ceramic Baseboard	None Detected
755-289	1	#2A Southeast Bathroom	Gray Mortar (thin-set)	None Detected
755-290	1	#2A Southeast Bathroom	3" Tan Ceramic Baseboard	None Detected
755-291	1	#2A Southeast Bathroom	Gray Mortar (thin-set)	None Detected
755-292	1	#2A Southeast Bathroom	Tan Wall Panel Adhesive (on drywall, west wall)	None Detected
755-293	1	#2A Southeast Bathroom	Tan Wall Panel Adhesive (on drywall, west wall)	None Detected
755-294	1	#2A Southeast Bathroom	Tan Wall Panel Adhesive (on conc block, east wall)	None Detected
755-295	1	#2A Southeast Bathroom	Tan Wall Panel Adhesive (on conc block, east wall)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	17 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/05/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-296	1	#3	White Window Glazing (west wall)	2% Chrysotile
755-297	1	#3	White Window Glazing (west wall)	7% Chrysotile
755-298	1	#3A Office	12" Tan Mottled Floor Tile	None Detected
755-299	1	#3A Office	Tan Floor Tile Adhesive (on concrete)	None Detected
755-300	1	#3A Office	12" Tan Mottled Floor Tile	None Detected
755-301	1	#3A Office	Tan Floor Tile Adhesive (on concrete)	None Detected
755-302	1	#3B	Gray Vertical Seam Caulk (on conc. block)	None Detected
755-303	1	#3B	Gray Vertical Seam Caulk (on conc. block)	None Detected
755-304	1	#3B	Gray Door Caulk (se door, on metal)	None Detected
755-305	1	#3B	Gray Door Caulk (se door, on metal)	None Detected
755-306	1	#11 Southwest Office	9" Green Floor Tile	7% Chrysotile
755-307	1	#11 Southwest Office	Black Floor Tile Adhesive (on concrete)	5% Chrysotile
755-308	1	#11 Southwest Office	9" Green Floor Tile	7% Chrysotile
755-309	1	#11 Southwest Office	Black Floor Tile Adhesive (on concrete)	5% Chrysotile
755-310	1	#11 Southwest Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-311	1	#11 Southwest Office	2'x4' White Pinhole Worm Ceiling Tile	None Detected
755-312	1	#11 Southwest Office	5" Brown Vinyl Baseboard	None Detected
755-313	1	#11 Southwest Office	Tan Baseboard Adhesive	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	18 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/05/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-314	1	#11 Southwest Office	5" Brown Vinyl Baseboard	None Detected
755-315	1	#11 Southwest Office	Tan Baseboard Adhesive	None Detected
755-316	1	#11 Electronics Lab	9" Green Floor Tile	7% Chrysotile
755-317	1	#11 Electronics Lab	Black Floor Tile Adhesive (on concrete)	5% Chrysotile
755-318	1	#11 Electronics Lab	9" Green Floor Tile	7% Chrysotile
755-319	1	#11 Electronics Lab	Black Floor Tile Adhesive (on concrete)	5% Chrysotile
755-320	1	#11 First Aid	Drywall	None Detected
755-321	1	#11 First Aid	Joint Compound	None Detected
755-322	1	#11 First Aid	Composite (only if either is positive)	Sample Not Analyzed
755-323	1	#11 First Aid	Drywall	None Detected
755-324	1	#11 First Aid	Joint Compound	None Detected
755-325	1	#11 First Aid	Composite (only if either is positive)	Sample Not Analyzed
755-326	1	#11 First Aid	2'x4' White Pinhole Crater Ceiling Tile	None Detected
755-327	1	#11 First Aid	2'x4' White Pinhole Crater Ceiling Tile	None Detected
755-328	1	#11 First Aid	Gray Door Caulk (on drywall)	None Detected
755-329	1	#11 First Aid	Gray Door Caulk (on drywall)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	19 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/05/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-330	1	#1 Lobby	Tan Window Caulk (on south metal window)	None Detected
755-331	1	#1 Lobby	Tan Window Caulk (on south metal window)	None Detected
755-332	1	#1 Lobby	2'x 2' White Pinhole Worm Ceiling Tile	None Detected
755-333	1	#1 Lobby	2'x 2' White Pinhole Worm Ceiling Tile	None Detected
755-334	1	#1 Lobby	4" Green Vinyl Baseboard	None Detected
755-335	1	#1 Lobby	Tan Baseboard Adhesive (on drywall)	None Detected
755-336	1	#1 Lobby	4" Green Vinyl Baseboard	None Detected
755-337	1	#1 Lobby	Tan Baseboard Adhesive (on drywall)	None Detected
755-338	1	#1 Lobby	12" Tan Ceramic Floor Tile	None Detected
755-339	1	#1 Lobby	Black Floor Tile Adhesive (on concrete)	3% Chrysotile
755-340	1	#1 Lobby	12" Tan Ceramic Floor Tile	None Detected
755-341	1	#1 Lobby	Black Floor Tile Adhesive (on concrete)	3% Chrysotile
755-342	1	# 1 Women's Bathroom	2" Brown Quarry Tile	None Detected
755-343	1	# 1 Women's Bathroom	Tan Floor Tile Adhesive (on gypcrete)	None Detected
755-344	1	# 1 Women's Bathroom	2" Brown Quarry Tile	None Detected
755-345	1	# 1 Women's Bathroom	Tan Floor Tile Adhesive (on gypcrete)	None Detected
755-346	1	# 1 Men's Bathroom	3" White Ceramic Wall Tile	None Detected
755-347	1	# 1 Men's Bathroom	Tan Wall Tile Adhesive (on drywall)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	20 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/06/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-348	1	# 1 Men's Bathroom	3" White Ceramic Wall Tile	None Detected
755-349	1	# 1 Men's Bathroom	Tan Wall Tile Adhesive (on drywall)	None Detected
755-350	1	#1 Office Cluster	White Drywall Wall Panel	None Detected
755-351	1	#1 Office Cluster	White Drywall Wall Panel	None Detected
755-352	1	#1 Office Cluster	4" Black Vinyl Baseboard	None Detected
755-353	1	#1 Office Cluster	Tan Baseboard Adhesive	None Detected
755-354	1	#1 Office Cluster	4" Black Vinyl Baseboard	None Detected
755-355	1	#1 Office Cluster	Tan Baseboard Adhesive	None Detected
755-356	1	#1 Southwest Office	2'x 4' White Pinhole Worm Ceiling Tile	None Detected
755-357	1	#1 Southwest Office	2'x 4' White Pinhole Worm Ceiling Tile	None Detected
755-358	1	#1 Southwest Office	4" Blue Vinyl Baseboard	None Detected
755-359	1	#1 Southwest Office	Tan Baseboard Adhesive	None Detected
755-360	1	#1 Southwest Office	4" Blue Vinyl Baseboard	None Detected
755-361	1	#1 Southwest Office	Tan Baseboard Adhesive	None Detected
755-362	1	#1 Southwest Office	12" Tan Streak Floor Tile	5% Chrysotile
755-363	1	#1 Southwest Office	Black Floor Tile Adhesive (on concrete)	3% Chrysotile
755-364	1	#1 Southwest Office	12" Tan Streak Floor Tile	5% Chrysotile
755-365	1	#1 Southwest Office	Black Floor Tile Adhesive (on concrete)	3% Chrysotile



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/06/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-366	1	#1A-South Trailer	Tan Vinyl Sheet Flooring (on wood)	None Detected
755-367	1	#1A-South Trailer	Tan Vinyl Sheet Flooring (on wood)	None Detected
755-368	1	#1A-Guard Shack	12" Tan Mottled Floor Tile	None Detected
755-369	1	#1A-Guard Shack	Black Floor Tile Adhesive (on wood)	None Detected
755-370	1	#1A-Guard Shack	12" Tan Mottled Floor Tile	None Detected
755-371	1	#1A-Guard Shack	Black Floor Tile Adhesive (on wood)	None Detected
755-372	1	#1B	Black Window Caulk (south window)	None Detected
755-373	1	#1B	Black Window Caulk (south window)	None Detected
755-374	1	#1C Spray Booth	2'x4' Tan Wall Panel	None Detected
755-375	1	#1C Spray Booth	Tan Panel Adhesive (on conc. block)	None Detected
755-376	1	#1C Spray Booth	2'x4' Tan Wall Panel	None Detected
755-377	1	#1C Spray Booth	Tan Panel Adhesive (on conc. block)	None Detected
755-378	1	#2	Black Felt Pipe Fitting	None Detected
755-379	1	#2	Black Felt Pipe Fitting	None Detected
755-380	1	#2 (West Upper Wall)	White Pipe Wrap	20% Chrysotile
755-381	1	#2 (West Upper Wall)	White Pipe Wrap	20% Chrysotile
755-382	1	#2 Center Office	Tan Wall Panel Adhesive (lower wall on wood)	None Detected
755-383	1	#2 Center Office	Tan Wall Panel Adhesive (lower wall on wood)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	22 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/06/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-384	1	#2A Southwest Office	Drywall	None Detected
755-385	1	#2A Southwest Office	Joint Compound	None Detected
755-386	1	#2A Southwest Office	Composite (only if either is positive)	Sample Not Analyzed
755-387	1	#2A Southwest Office	Drywall	None Detected
755-388	1	#2A Southwest Office	Joint Compound	None Detected
755-389	1	#2A Southwest Office	Composite (only if either is positive)	Sample Not Analyzed
755-390	1	#2A Southwest Office	12" Green Floor Tile	None Detected
755-391	1	#2A Southwest Office	Tan Floor Tile Adhesive (on concrete)	None Detected
755-392	1	#2A Southwest Office	12" Green Floor Tile	None Detected
755-393	1	#2A Southwest Office	Tan Floor Tile Adhesive (on concrete)	None Detected
755-394	1	#2D Spray Booth (East Office)	1'x1' Red Wall Tile	None Detected
755-395	1	#2D Spray Booth (East Office)	Tan Wall Tile Adhesive (on conc. block)	None Detected
755-396	1	#2D Spray Booth (East Office)	1'x1' Red Wall Tile	None Detected
755-397	1	#2D Spray Booth (East Office)	Tan Wall Tile Adhesive (on conc. block)	None Detected
755-398	1	#2D Spray Booth	Brown Wall Tile Adhesive (on conc. block)	<1% Chrysotile Point Count: <0.16%
755-399	1	#2D Spray Booth	Brown Wall Tile Adhesive (on conc. block)	<1% Chrysotile
755-400	1	#3	White Window Glazing (skylights)	None Detected
755-401	1	#3	White Window Glazing (skylights)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	23 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/07/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-402	1	#3 South	Brown Spray-On Fireproofing	None Detected
755-403	1	#3 South	Brown Spray-On Fireproofing	None Detected
755-404	1	#9 Bathroom	6" Tan Ceramic Baseboard Tile	None Detected
755-405	1	#9 Bathroom	Tan Ceramic Baseboard Adhesive (on conc. block)	3% Chrysotile
755-406	1	#9 Bathroom	6" Tan Ceramic Baseboard Tile	None Detected
755-407	1	#9 Bathroom	Tan Ceramic Baseboard Adhesive (on conc. block)	3% Chrysotile
755-408	1	#9B Breakroom	Black Concrete Overlay	None Detected
755-409	1	#9B Breakroom	Black Concrete Overlay	None Detected
755-410	1	#9B Breakroom	12" Tan Floor Tile (bottom layer)	None Detected
755-411	1	#9B Breakroom	Tan Floor Tile Adhesive (on concrete)	None Detected
755-412	1	#9B Breakroom	12" Tan Floor Tile (bottom layer)	None Detected
755-413	1	#9B Breakroom	Tan Floor Tile Adhesive (on concrete)	None Detected
755-414	1	#9B Breakroom	12" Gray Mottled Floor Tile (top layer)	None Detected
755-415	1	#9B Breakroom	Tan Floor Tile Adhesive (on tile)	None Detected
755-416	1	#9B Breakroom	12" Gray Mottled Floor Tile (top layer)	None Detected
755-417	1	#9B Breakroom	Tan Floor Tile Adhesive (on tile)	None Detected
755-418	2	#8A 2 nd Floor Stair	Tan Vinyl Sheet Flooring (on wood)	None Detected
755-419	2	#8A 2 nd Floor Stair	Tan Vinyl Sheet Flooring (on wood)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	24 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/07/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-420	1	#8 Emission Lab Hall	Tan Granular Wall Insulation	None Detected
755-421	1	#8 Emission Lab Hall	Tan Granular Wall Insulation	None Detected
755-422	1	#8	Tan Granular Wall Insulation	None Detected
755-423	1	#8	Tan Granular Wall Insulation	None Detected
755-424	1	#8	White Door Caulk (north wall conc. block)	None Detected
755-425	1	#8	White Door Caulk (north wall conc. block)	None Detected
755-426	1	#8 Northwest Paint Booth	12" White Pinhole Fissure Ceiling Tile	None Detected
755-427	1	#8 Northwest Paint Booth	Brown Tile Adhesive (on concrete)	2% Chrysotile
755-428	1	#8 Northwest Paint Booth	12" White Pinhole Fissure Ceiling Tile	None Detected
755-429	1	#8 Northwest Paint Booth	Brown Tile Adhesive (on concrete)	2% Chrysotile
755-430	1	#7 Southwest Office	12" Tan Floor Tile	None Detected
755-431	1	#7 Southwest Office	Tan Floor Tile Adhesive	None Detected
755-432	1	#7 Southwest Office	12" Tan Floor Tile	None Detected
755-433	1	#7 Southwest Office	Tan Floor Tile Adhesive	None Detected
755-434	1	#7 (West Upper Wall)	White Window Glazing	3% Chrysotile
755-435	1	#7 (West Upper Wall)	White Window Glazing	3% Chrysotile
755-436	1	#16	White Pipe Fitting (on fiberglass line)	None Detected
755-437	1	#16	White Pipe Fitting (on fiberglass line)	None Detected

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	25 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/07/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-438	Roof	Exterior_Roof	White Seam Caulk (on conc. block)	None Detected
755-439	Roof	Exterior_Roof	White Seam Caulk (on conc. block)	None Detected
755-440	Roof	Exterior_Roof	White Window Glazing (on #3 skylight)	15% Chrysotile
755-441	Roof	Exterior_Roof	White Window Glazing (on #3 skylight)	15% Chrysotile
755-442	Roof	Exterior_Roof (2A)	Tar Layer (behind vapor barrier)	None Detected
755-443	Roof	Exterior_Roof (2A)	Tar Layer (behind vapor barrier)	None Detected
755-444	Roof	Exterior_Roof (2A)	Black Vapor Barrier (behind transite)	<1% Chrysotile Point Count: 0.082%
755-445	Roof	Exterior_Roof (2A)	Black Vapor Barrier (behind transite)	<1% Chrysotile
755-446	Roof	Exterior_Roof (2A)	Transite Siding	15% Chrysotile
755-447	Roof	Exterior_Roof (2A)	Transite Siding	15% Chrysotile
755-448	Roof	Exterior_Roof (2A)	White Window Glazing	<1% Chrysotile Point Count: 0.056%
755-449	Roof	Exterior_Roof (2A)	White Window Glazing	<1% Chrysotile
755-450	Ext	Exterior_East	Brown Vent Caulk (on metal)	2% Chrysotile
755-451	Ext	Exterior_East	Brown Vent Caulk (on metal)	2% Chrysotile
755-452	Ext	Exterior_East	White Window Glazing (on NE metal door)	None Detected
755-453	Ext	Exterior_East	White Window Glazing (on NE metal door)	None Detected
755-454	Ext	Exterior_South	Gray Window Glazing (exterior #1 bldg)	10% Chrysotile
755-455	Ext	Exterior_South	Gray Window Glazing (exterior #1 bldg)	10% Chrysotile

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	26 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.:	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/07/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-456	Ext	Exterior_South (Building 3)	White Window Glazing (#3 entrance on wood)	None Detected
755-457	Ext	Exterior_South (Building 3)	White Window Glazing (#3 entrance on wood)	None Detected
755-458	Ext	Exterior_West (Building 11)	White Block Seam Caulk (on conc. block)	None Detected
755-459	Ext	Exterior_West (Building 11)	White Block Seam Caulk (on conc. block)	None Detected
755-460	Ext	Exterior_West (Building 17)	Gray Door Caulk (on concrete)	None Detected
755-461	Ext	Exterior_West (Building 17)	Gray Door Caulk (on concrete)	None Detected
755-462	Ext	Exterior_West (Building 12)	White Vertical Seam Caulk (on conc. block)	None Detected
755-463	Ext	Exterior_West (Building 12)	White Vertical Seam Caulk (on conc. block)	None Detected
755-464	Ext	Exterior_West (Building 13)	Clear Seam Caulk (on concrete)	None Detected
755-465	Ext	Exterior_West (Building 13)	Clear Seam Caulk (on concrete)	None Detected
755-466	Ext	Exterior_West (Building 17)	Gray Wall Seam Caulk (I-beam and conc. block)	None Detected
755-467	Ext	Exterior_West (Building 17)	Gray Wall Seam Caulk (I-beam and conc. block)	None Detected
755-468	Ext	Exterior_North (Building 16)	Tan Door Caulk (NW door on CB)	None Detected
755-469	Ext	Exterior_North (Building 15)	Tan Door Caulk (NW door on CB)	None Detected
755-470	Roof	Building #2 (skylight)	Black Window Tar (window perimeter)	10% Chrysotile
755-471	Roof	Building #2 (skylight)	Tan Window Glazing (cat II)	None Detected
755-472	Roof	Building #2 (skylight)	Gray Window Glazing	5% Chrysotile
755-473	1	Building #2 (1 st Floor South)	White Pipe Fitting	10% Chrysotile 15% Amosite

Lab Info:	Eurofins CEI Labs, Inc.	Date Analyzed:	9/5 to 9/17 2018	Page:	27 of 28
------------------	-------------------------	-----------------------	------------------	--------------	----------

ASBESTOS BULK SAMPLE LOG-IN

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	Tecumseh Plant	DATE COLLECTED:	9/27/18
WORK AREA:	Pre-Demolition	TECH:	Jason Motkowski

Sample ID	Level	Room / Area Info	Sample Info	Asbestos Content
755-474	2	Building #2C (Storage by AHU)	White Pipe Fitting	10% Chrysotile 15% Amosite
755-475	1	Building # 3 (North)	Brown Roof Paper	30% Chrysotile
755-476	1	Building # 3 (North)	Transite Wall Panel	15% Chrysotile
755-477	1	Building # 3A	Pipe Insulation	10% Chrysotile 15% Amosite
755-478	1	Building # 8 (NW Spray Booths)	Tan Wall Panel Adhesive (on conc. bloc)	None Detected
755-479	1	Building #11 (South Wall)	Window Glazing	None Detected
755-480	Mezz	Building # 12 (East Mezz)	Beige Speckled Vinyl Sheet Floor	None Detected
755-481	1	Building # 12 (Southwest)	Window Glazing	<1% Chrysotile
755-482	1	Building # 13 West	Oven Insulation	None Detected
755-483	1	Building # 13 West	Oven Door Gasket	None Detected
755-484	1	Building #17 (Loading Dock)	Pipe Fitting	None Detected
755-485	1	Building #17	Transite Wall Panel	15% Chrysotile
755-486	Ext	Exterior South (Building 1)	Gray Window Caulk	None Detected
755-487	Ext	Exterior East (Building 9A)	Black Foundation Tar (on conc.)	10% Chrysotile

Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018

LEAD PAINT XRF TESTING DATA

CLIENT:	Tetra Tech	NORTHSTAR NO.	180-755
LOCATION:	1604 Michigan Avenue New Holstein, WI 53061	SITE DATE:	August 30 to September 6, 2018
WORK AREA:	Pre-Demolition	TECH:	E Turriff

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
Interior Room 999 Pre Calibration (8/30/18)								
1								1.2
2								1.2
3								1.2
4								-0.1
EXTERIOR								
Building 16: Exterior								
Exterior 001 Building 16								
1590	B	Wall	L Ctr		Poor	Metal	Green	-0.1
1591	B	Post	Ctr		Poor	Metal	Yellow	-0.2
1601	C	Post	Rgt		Poor	Metal	Yellow	-0.1
1602	C	Door	Rgt	Rgt casing	Poor	Metal	Tan	-0.1
1603	C	Door	Rgt	U Ctr	Poor	Metal	Tan	-0.1
1604	C	Wall	L Ctr		Poor	Metal	Blue	0.1
1605	C	Foundation	Ctr		Poor	Concrete	Yellow	1.9
Building 16: Roof								
1698	A	Column	Ctr	U column	Poor	Metal	Gray	0.2
Building 16A: Exterior								
Exterior 005 Building 16A								
1606	C	Door	Rgt	Rgt casing	Poor	Metal	Red	0.1
1607	C	Door	Rgt	U Ctr	Poor	Metal	Red	0.3
1608	C	Railing	Rgt	Railing	Poor	Metal	Yellow	-0.1
1609	C	Door	Rgt	Rgt casing	Poor	Metal	Tan	0
1610	C	Door	Rgt	U Ctr	Poor	Metal	Gray	-0.3
1611	C	Column	Rgt		Poor	Metal	Green	0.2
1612	C	Column	Rgt		Poor	Metal	Red	0
1613	C	Wall	L Rgt		Poor	Metal	Green	0
1614	C	Wall	L Ctr		Poor	Metal	Stripe	-0.1
1615	C	Column	Rgt		Poor	Metal	Tan	-0.1
1616	D	Post	Rgt		Poor	Metal	Red	1.9
1617	D	OH Case	Lft		Poor	Metal	Red	-0.1
1618	D	Casing	Lft		Poor	Metal	Gray	0.1
1619	D	Stairs	Lft	Stringer	Poor	Metal	Gray	-0.1
1620	D	Stairs	Lft	Railing cap	Poor	Metal	Gray	0.1
1621	D	Hook	Lft		Poor	Metal	Yellow	1.2
Building 13: Exterior								
Exterior 006 Building 13								
1576	B	Column	Rgt		Poor	Metal	Red	-0.1
1577	B	Fan Support	Rgt		Poor	Metal	Red	0
1578	B	OH Case	Rgt		Poor	Metal	Red	0
1579	B	Wall	L Ctr		Poor	Con. Block	Tan	2.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)
1580	B	Column	Ctr		Poor	Metal	Red	0
1581	B	Stoop	Lft		Poor	Concrete	Blue	0
1582	B	Wall	L Lft		Poor	Metal	Blue	0.1
1583	B	Railing	Lft	Railing	Poor	Metal	Yellow	0.5
1584	B	Door	Lft	Rgt casing	Poor	Metal	Tan	0.2
1585	B	Door	Lft	U Ctr	Poor	Metal	Tan	0
1622	C	Wall Stripe	Rgt		Poor	Concrete	Yellow	3.5
1623	C	Casing	Rgt		Poor	Metal	Gray	-0.1
1624	C	Fl. Stripe	Rgt		Poor	Concrete	Yellow	2.8
1625	C	OH Case	Ctr		Poor	Metal	Tan	0.2
1626	C	OH Case	Ctr		Poor	Metal	Gray	0.2
1627	C	Column	Ctr		Poor	Metal	Gray	0
1628	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.8
1629	C	OH Case	Lft		Poor	Metal	Gray	0.1
1630	C	Casing	Lft		Poor	Metal	Gray	-0.1
1631	C	Awning Sup.	Lft		Poor	Metal	Red	0.3
Building 13: Roof								
1696	A	Horiz. Beam	Ctr		Poor	Metal	Blue	0
1697	A	Railing	Ctr	Railing	Poor	Wood	Yellow	1.6
1711	A	Wall	L Ctr		Poor	Metal	Gray	0
Building 13B: Exterior								
Exterior 008 Building 13B								
1586	B	Column	Ctr		Poor	Metal	Red	-0.1
1587	B	Column	Ctr		Poor	Metal	Tan	-0.1
1588	B	Railing	Ctr	Railing	Poor	Metal	Yellow	0
1589	B	Door	Ctr	U Ctr	Poor	Metal	Tan	0.2
Building 15: Exterior								
Exterior 014 Building 15								
1632	C	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.1
1633	C	Door	Rgt	U Ctr	Poor	Metal	Gray	0
1634	C	Door	Rgt	Lft casing	Poor	Metal	White	-0.2
1635	C	Wall	U Rgt		Poor	Metal	Blue	0
1636	C	Wall	U Rgt		Poor	Metal	Green	0.5
1637	C	Wall	L Rgt		Poor	Concrete	Blue	0.4
1638	C	Stoop	Rgt		Poor	Concrete	Gray	1.4
1639	C	Stairs	Rgt	Railing cap	Poor	Metal	Gray	-0.1
1640	C	Stairs	Rgt	Risers	Poor	Concrete	Yellow	0
1641	C	Rf. Truss	Rgt		Poor	Metal	Red	-0.1
1642	C	Column	Rgt		Poor	Metal	Red	-0.1
1643	C	Horiz. Beam	Rgt		Poor	Metal	Red	0.1
1644	C	Bench	Rgt		Poor	Wood	Gray	-0.2
1645	C	Wall Stripe	Ctr		Poor	Concrete	Yellow	5
1646	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.9
1647	C	Casing	Ctr		Poor	Metal	Gray	0
1648	C	OH Case	Ctr		Poor	Metal	Gray	0
1649	C	Awning Sup.	Ctr		Poor	Metal	Red	-0.2
1650	C	OH Case	Lft		Poor	Metal	Gray	0
1651	C	Stoop Fl.	Lft		Poor	Metal	Tan	0.3
1652	C	Door	Lft	Rgt casing	Poor	Metal	Tan	0
1653	C	Door	Lft	U Ctr	Poor	Metal	Gray	0
1654	C	Wall	L Lft		Poor	Metal	Blue	0.1
1655	C	Stairs	Lft	Railing cap	Poor	Metal	Yellow	1.6

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1656	D	Column	Rgt		Poor	Metal	Red	-0.1
1657	D	Horiz. Beam	Rgt		Poor	Metal	Red	-0.1
1658	D	Valve	Rgt		Poor	Metal	Red	1.2
1659	D	Wall	L Rgt		Poor	Con. Block	Yellow	1.5
1660	D	Wall	L Ctr		Poor	Metal	Yellow	-0.2
1661	D	Column	Ctr		Poor	Metal	Gray	-0.2
1662	D	Foundation	Lft		Poor	Concrete	Gray	0
Building 8A: Exterior								
Exterior 019 Building 8A								
1663	C	Door	Ctr	Rgt casing	Poor	Metal	Gray	-0.1
1664	C	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.1
1665	C	Railing	Ctr	Railing	Poor	Metal	Gray	1.5
1666	C	OH Case	Ctr		Poor	Metal	Gray	0
1667	C	OH Door	Ctr		Poor	Wood	Gray	-0.2
1668	C	Threshold	Ctr		Poor	Wood	Gray	-0.1
1669	D	Post	Lft		Poor	Metal	Red	0.1
Building 8A: Roof								
1699	A	Stairs	Ctr	Stringer	Poor	Metal	Yellow	0.3
1700	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.3
1701	A	Door	Ctr	U Ctr	Poor	Metal	White	0
Building 12: Exterior								
Exterior 021 Building 12								
1558	A	Stairs	Ctr	Railing cap	Poor	Metal	Gray	0.3
1559	A	Stairs	Ctr	Stringer	Poor	Metal	Gray	0
1560	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	0
1561	A	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.1
1562	B	Railing	Rgt	Railing	Poor	Metal	Yellow	2.4
1563	B	Post	Rgt		Poor	Metal	Yellow	-0.2
1564	B	Pipe	Rgt		Poor	Metal	Red	-0.1
1565	B	Stairs	Ctr	Railing cap	Poor	Metal	Gray	0
1566	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.6
1567	B	Door	Ctr	U Ctr	Poor	Metal	Gray	0
1568	B	Pipe	Lft		Poor	Metal	White	0
1569	B	Air Handler	Lft		Poor	Metal	Gray	0.3
1570	B	Door	Lft	Rgt casing	Poor	Metal	Gray	-0.2
1571	B	Door	Lft	U Ctr	Poor	Metal	Gray	-0.1
1572	B	Stairs	Lft	Railing cap	Poor	Metal	Gray	0.4
1573	B	Pipe	Lft		Poor	Metal	Red	1.2
1574	B	Ladder	Lft		Poor	Metal	Yellow	4.4
1575	B	Valve	Lft		Poor	Metal	Red	4.5
Building 12: Roof								
1709	D	Railing	Ctr	Railing	Poor	Metal	Yellow	2.5
1710	A	Horiz. Beam	Ctr		Poor	Metal	Red	-0.1
Building 10: Roof								
Exterior 027 Building 10 (Roof)								
1712	A	Walk Way	Ctr		Poor	Rubber	Yellow	-0.3
Building 17: Exterior								
Exterior 028 Building 17								
1532	A	Column	Ctr		Poor	Metal	Red	-0.2
1533	A	Railing	Ctr	Railing	Poor	Metal	Tan	0
1534	A	Compactor	Ctr		Poor	Metal	Blue	0.5

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1535	A	Post	Lft		Poor	Metal	White	0.2
1536	A	Column	Lft		Poor	Metal	White	0.3
1537	A	Column	Lft		Poor	Metal	Red	0.1
1538	A	Casing	Lft		Poor	Metal	Green	1.6
1539	A	Wall	L Lft		Poor	Con. Block	Gray	0
1540	A	Wall	U Lft		Poor	Metal	Green	0
1541	A	OH Case	Ctr		Poor	Metal	White	0.2
1542	A	Casing	Ctr		Poor	Metal	Gray	1.1
1543	A	Fl. Stripe	Ctr		Poor	Concrete	Red	0
1544	A	Horiz. Beam	Ctr		Poor	Metal	Red	-0.1
1545	A	Wall	U Ctr		Poor	Metal	Tan	-0.1
1546	A	Wall	L Ctr		Poor	Metal	Blue	-0.1
1547	A	OH Case	Lft		Poor	Metal	Gray	0
1548	B	Ladder	Rgt		Poor	Metal	Yellow	0
1549	B	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.2
1550	B	Door	Rgt	U Ctr	Poor	Metal	Gray	0.1
1551	B	Wall	L Rgt		Poor	Metal	Green	-0.1
1552	B	Post	Rgt		Poor	Metal	Orange	0
1553	B	Conduit	Rgt		Poor	Metal	Red	1.5
1554	B	Wall	L Lft		Poor	Metal	Green	0
1555	B	Door	Lft	Rgt casing	Poor	Metal	Gray	0.3
1556	B	Door	Lft	U Ctr	Poor	Metal	Gray	0.2
1557	B	Stairs	Lft	Railing cap	Poor	Metal	Gray	0
Building 11: Exterior								
Exterior 034 Building 11								
1529	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.6
1530	A	Door	Rgt	U Ctr	Poor	Metal	Red	-0.4
Exterior 043 Building 11A								
1526	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	-0.1
1527	D	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.1
1528	A	Wall	L Ctr		Poor	Metal	Green	0.1
1531	A	Conduit	Ctr		Poor	Metal	Yellow	-0.1
Building 3: Exterior								
Exterior 046 Building 3B								
1503	A	Door	Rgt	Rgt casing	Poor	Metal	Tan	0
1504	A	Door	Rgt	U Ctr	Poor	Metal	Gray	0
1505	A	OH Case	Ctr		Poor	Metal	Tan	0
1506	A	OH Door	Ctr		Poor	Wood	Tan	-0.5
1507	A	Wall	L Ctr		Intact	Metal	Green	0
1508	A	Foundation	Ctr		Intact	Concrete	Gray	0.5
1509	A	Post	Lft		Poor	Metal	Yellow	0.6
1510	A	OH Case	Lft		Poor	Metal	Gray	0
1511	A	OH Door	Lft		Intact	Metal	White	0.1
1512	B	Railing	Rgt	Railing	Poor	Metal	Yellow	0.5
1513	B	Door	Rgt	Rgt casing	Poor	Metal	Tan	0.4
1514	B	Door	Rgt	U Rgt	Poor	Metal	Gray	0.1
1515	B	Toe Kick	Rgt		Poor	Metal	Yellow	-0.1
1516	B	Mixer Awning	Ctr		Poor	Metal	Gray	-0.1
1517	B	Sup.	Ctr		Poor	Metal	Yellow	-0.1
1518	B	Post	Lft		Poor	Metal	Yellow	2.2
1519	B	Column	Lft		Poor	Metal	Gray	1.5
1520	B	Railing	Lft	Railing	Poor	Metal	Yellow	1.9

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1521	B	Door	Lft	Rgt casing	Poor	Metal	Tan	-0.1
1522	B	Door	Lft	U Ctr	Poor	Metal	Tan	0
1523	B	Ladder	Lft		Poor	Metal	Gray	0.2
1524	B	Column	Lft		Poor	Metal	Gray	0
1525	B	Stairs	Lft	Railing cap	Poor	Metal	Gray	0
Exterior 047 Building 3								
1487	A	Ladder	Rgt		Poor	Metal	Yellow	2.4
1488	A	Post	Rgt		Poor	Metal	Red	-0.1
1489	A	OH Case	Ctr		Poor	Metal	Tan	1.4
1490	A	OH Case	Ctr		Poor	Metal	White	0.1
1491	A	Door	Ctr	Rgt casing	Poor	Metal	Tan	2.7
1492	A	Door	Ctr	U Ctr	Poor	Metal	Tan	-0.2
1493	A	Door	Ctr	Header	Poor	Wood	Tan	0
1494	A	Window	Ctr	Sash	Poor	Wood	Tan	1.1
1495	A	Wall	L Lft		Intact	Metal	Tan	-0.1
1496	A	Foundation	Lft		Intact	Concrete	Gray	0.4
1497	B	Wall	L Rgt		Intact	Metal	Tan	0
1498	B	Foundation	Rgt		Intact	Concrete	Gray	0.6
1499	B	Column	Ctr		Poor	Metal	Gray	-0.1
1500	B	Stairs	Lft	Railing cap	Poor	Metal	Gray	0
1501	B	Ladder	Lft		Poor	Metal	Yellow	3.1
1502	B	Stairs	Lft	Risers	Poor	Concrete	Gray	0.3
Building 3: Roof								
1716	C	Railing	Ctr	Railing	Poor	Metal	Yellow	2.8
Building 7: Roof								
Exterior 048 Building 7 (Roof)								
1704	A	Wall	L Ctr		Poor	Metal	Gray	0.3
1705	A	Wall	L Ctr		Poor	Metal	Gray	0.1
1706	A	Conduit	Ctr		Poor	Metal	Orange	1.4
1707	A	Shed Floor	Ctr		Poor	Metal	White	-0.1
1708	A	Shed Cg	Ctr		Poor	Metal	Gray	-0.1
1713	A	Railing	Ctr	Railing	Poor	Metal	Yellow	1.6
Building 8: Exterior								
Exterior 053 Building 8								
1670	D	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.2
1671	D	Door	Rgt	U Ctr	Poor	Metal	Gray	0
1672	D	Stairs	Rgt	Railing cap	Poor	Metal	Gray	1.5
1673	D	Conduit	Rgt		Poor	Metal	Gray	-0.1
1674	D	Conduit	Rgt		Poor	Metal	Red	0
1675	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.2
1676	D	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.1
1677	D	Stairs	Ctr	Railing cap	Poor	Metal	Gray	1.4
1678	D	Pipe	Ctr		Poor	Metal	Red	0.2
1679	D	Post	Ctr		Poor	Metal	Yellow	0
1680	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.3
1681	D	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.2
1682	D	OH Case	Ctr		Poor	Metal	Gray	-0.1
1683	D	Ladder	Lft		Poor	Metal	Yellow	4
Building 8: Roof								
1702	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.3
1703	A	Door	Ctr	U Ctr	Poor	Metal	Gray	0
Building 9: Exterior								

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
Exterior 058 Building 9								
1684	D	Foundation	Rgt		Poor	Concrete	Black	1.4
1685	D	Valve	Rgt		Poor	Metal	Red	1.2
1686	D	Post	Rgt		Poor	Metal	Yellow	-0.1
1687	D	Door	Lft	Rgt casing	Poor	Metal	Gray	1
1688	D	Door	Lft	U Ctr	Poor	Metal	Gray	0.2
1689	D	Stairs	Lft	Railing cap	Poor	Metal	Yellow	1.9
1690	D	Ladder	Lft		Poor	Metal	Yellow	2.7
1691	D	Wall	L Lft		Intact	Metal	White	-0.1
Interior Room 999 Mid-Day Calibration (9/06/18)								
1692								1.1
1693								0.9
1694								1.2
1695								-0.1
Building 2A: Roof								
Exterior 067 Building 2A (Roof)								
1714	C	Para. Wall	Ctr		Poor	Metal	Brown	0.2
1715	D	Window	Ctr	Sash	Poor	Wood	White	0
Building 1B: Exterior								
Exterior 087 Building 1B								
1466	A	Door	Rgt	Rgt casing	Poor	Wood	Tan	-0.1
1467	A	Door	Rgt	U Ctr	Poor	Wood	Tan	-0.2
1468	A	D. Threshold	Rgt		Poor	Metal	Tan	-0.2
1469	A	Door	Rgt	Header	Poor	Wood	Tan	-0.2
Building 1: Exterior								
Exterior 093 Building 1 - East								
1470	D	Door	Rgt	Rgt casing	Poor	Metal	White	1.2
1471	D	Door	Rgt	U Ctr	Poor	Metal	White	1.5
1472	A	Railing	Rgt	Railing	Poor	Metal	Red	0
1473	A	Window	Rgt	Sill	Poor	Concrete	White	0.2
1474	A	Window	Ctr	Sill	Poor	Concrete	White	-0.2
1475	A	D. Threshold	Ctr		Poor	Concrete	White	-0.2
1476	B	Elec. Panel	Rgt		Poor	Metal	Gray	0
1477	B	Window	Rgt	Sill	Poor	Concrete	White	-0.2
1478	B	Pipe	Ctr		Poor	Metal	Red	-0.1
1479	B	Bench	Lft		Poor	Wood	Tan	-0.4
Exterior 095 Building 1 - West								
1480	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0
1481	A	Door	Rgt	U Ctr	Poor	Metal	Gray	-0.1
1482	A	Door	Rgt	Header	Poor	Wood	Tan	1.3
1483	A	Fire Alarm	Rgt		Poor	Metal	Red	-0.2
1484	A	Pipe	Rgt		Poor	Metal	Red	1.2
1485	A	Window	Lft	Rgt casing	Intact	Metal	Tan	0.4
1486	A	Wall	L Lft		Intact	Metal	Tan	-0.1
Building 1A: Exterior								
Exterior 098 Building 1A								
1729	B	Door	Ctr	U Ctr	Poor	Metal	White	-0.1
1730	D	Door	Ctr	U Ctr	Intact	Metal	White	-0.1
1731	D	Infill	Ctr		Intact	Wood	Brown	0
Guard Shack: Exterior								

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)
Exterior 099 Guard Shack								
1736	B	Wall	U Ctr		Intact	Fiberglass	Tan	-0.3
1737	B	Wall	L Ctr		Poor	Wood	Tan	-0.3
1738	B	Column	Ctr		Poor	Metal	Tan	0.1
1739	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.5
Building 11B: Exterior								
Exterior 100 Building 11B								
1748	D	Post	Ctr		Poor	Metal	Yellow	1.3
1749	D	Railing	Ctr	Railing	Poor	Metal	Yellow	1.1
Building 14: Exterior								
Exterior 102 Building 14								
1761	B	Column	Ctr		Poor	Metal	Red	0
1762	B	OH Door	Ctr		Poor	Wood	White	-0.1
1763	B	Post	Ctr		Poor	Metal	Yellow	1.2
Exterior 104 Building 14B								
1770	D	Door	Lft	U Ctr	Intact	Metal	White	0
Building 16B: Exterior								
Exterior 105 Building 16B								
1780	A	Window	Ctr	Rgt casing	Poor	Wood	White	0
1781	A	Window	Ctr	Sash	Poor	Wood	White	-0.1
1782	A	Railing	Ctr	Railing	Poor	Metal	Yellow	9
1783	A	Post	Ctr		Poor	Metal	Yellow	>9.9
1784	B	Wall	L Ctr		Poor	Wood	Tan	-0.1
1785	D	Door	Ctr	Rgt casing	Poor	Wood	White	0.1
1786	D	Door	Ctr	U Ctr	Poor	Metal	White	0
Exterior: North Parking Lot								
Exterior 106 North Parking Lot								
1787	B	Railing	Ctr	Railing	Poor	Metal	Yellow	-0.1
1788	B	Post	Ctr		Poor	Metal	Yellow	0.2
1789	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	2.1
1790	C	Post	Ctr		Poor	Concrete	Yellow	1.4
INTERIOR								
Building 16								
Interior Room 001 Building 16								
5	A	Wall	U Ctr		Intact	Con. Block	Gray	-0.1
6	A	Wall	L Ctr		Intact	Con. Block	Red	1.4
7	A	Curb	Ctr		Poor	Concrete	Yellow	5.2
8	A	Column	Ctr		Poor	Metal	Gray	-0.2
9	A	Column	Ctr		Poor	Metal	Red	-0.2
10	B	Wall	L Lft		Poor	Con. Block	Red	1
11	B	Curb	Lft		Poor	Concrete	Yellow	5.6
12	B	Pipe	Lft		Intact	Metal	Yellow	-0.1
13	B	Column	Ctr		Poor	Metal	White	-0.1
14	B	Column	Ctr		Poor	Metal	Red	-0.1
15	B	Wall	L Rgt		Poor	Con. Block	Red	1.1
16	C	Wall	L Lft		Poor	Con. Block	Red	0.9
17	C	Wall	L Rgt		Poor	Con. Block	Red	1.4
18	C	Curb	Ctr		Poor	Concrete	Yellow	3.5
19	C	Column	Ctr		Intact	Metal	White	-0.1
20	C	Column	Ctr		Intact	Metal	Red	-0.1
21	D	Wall	U Lft		Intact	Con. Block	Gray	-0.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
22	D	Wall	L Lft		Intact	Con. Block	Red	1.6
23	D	Curb	Lft		Poor	Concrete	Yellow	2.1
24	D	Door	Lft	Lft casing	Intact	Metal	Red	0.2
25	D	Door	Lft	U Ctr	Intact	Metal	Gray	0
26	D	OH Case	Ctr		Intact	Metal	Blue	-0.1
27	D	Railing	Ctr	Railing	Poor	Concrete	Yellow	3.6
28	D	Floor			Poor	Concrete	Yellow	-0.2
29	D	Ceiling			Poor	Concrete	White	0
30	D	Stairs	Rgt	Stringer	Poor	Metal	Gray	0.4
31	D	Stairs	Rgt	Stringer	Poor	Metal	Yellow	0.6
32	D	Stairs	Rgt	Railing cap	Poor	Metal	Yellow	0.7
33	D	Duct	Rgt		Poor	Metal	Gray	-0.1
34	D	Wall	U Rgt		Intact	Con. Block	Gray	0
35	D	Wall	L Rgt		Intact	Con. Block	Red	0.5
36	D	Floor			Poor	Concrete	Gray	0.1
37	A	Floor			Poor	Concrete	Red	-0.1
38	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.2
39	C	Column	Ctr		Poor	Metal	White	0.2
40	C	Column	Ctr		Poor	Metal	Yellow	0
41	C	Col Base	Ctr		Poor	Concrete	Yellow	5.8
42	A	Column	Ctr		Poor	Metal	White	-0.1
43	A	Column	Ctr		Poor	Metal	Yellow	0.6
44	A	Pipe	Ctr		Poor	Metal	Blue	0
56	A	Fl. Stripe	Ctr		Poor	Concrete	Blue	-0.2
57	D	Post	Rgt		Poor	Concrete	Yellow	2.8
1415	A	Horiz. Beam	Ctr		Poor	Metal	Gray	-0.1
1416	A	Rf. Truss	Ctr		Poor	Metal	Gray	0
1417	A	Ceiling			Poor	Metal	White	0
1418	A	Horiz. Beam	Ctr		Poor	Metal	White	0.4
Interior Room 001a Building 16 - Loading								
1592	A	OH Case	Lft		Poor	Metal	Gray	0.2
1593	A	Post	Lft		Poor	Metal	Yellow	4.7
1594	A	Column	Lft		Poor	Metal	Red	0.1
1595	A	Column	Lft		Poor	Metal	Gray	0
1596	A	Wall	L Lft		Poor	Metal	Blue	0
1597	A	Wall	L Ctr		Poor	Metal	White	0
1598	C	Railing	Rgt	Railing	Poor	Metal	Yellow	-0.2
1599	C	Door	Lft	Rgt casing	Poor	Metal	Gray	-0.1
1600	C	Door	Lft	U Ctr	Poor	Metal	Gray	0
Interior Room 002 Building 16 - Women's								
45	A	Wall	U Ctr		Intact	Con. Block	Gray	-0.1
46	A	Wall	L Ctr		Poor	Con. Block	Red	0.7
47	C	Door	Lft	Rgt casing	Poor	Metal	Red	0.7
48	C	Door	Lft	U Ctr	Poor	Metal	Red	0.1
49	C	Stall	Ctr		Poor	Metal	Gray	0
Interior Room 003 Building 16 - Men's								
50	A	Wall	U Ctr		Intact	Con. Block	Gray	-0.1
51	A	Wall	L Ctr		Intact	Con. Block	Red	0
Interior Room 004 Building 16 - Offices								
52	B	Railing	Ctr	Railing	Intact	Metal	Yellow	0.4
53	D	Ladder	Ctr		Intact	Metal	Yellow	1.8
54	D	Wall	U Rgt		Intact	Con. Block	Gray	-0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)
55	D	Window	Ctr	Rgt casing	Intact	Metal	Red	0
Building 16A								
Interior Room 005 Building 16A								
58	A	Wall	U Ctr		Intact	Con. Block	Gray	0.2
59	A	Wall	L Ctr		Intact	Con. Block	Red	1.9
60	A	Curb	Ctr		Poor	Concrete	Yellow	1.2
61	A	Post	Ctr		Poor	Metal	Yellow	6.2
62	A	OH Case	Ctr		Poor	Metal	Gray	-0.1
63	A	Column	Ctr		Poor	Metal	Gray	-0.1
64	A	Column	Ctr		Poor	Metal	Red	0
65	A	Door	Rgt	Rgt casing	Poor	Metal	Red	0.6
66	A	Door	Rgt	U Ctr	Poor	Metal	White	0
67	B	Wall	U Ctr		Intact	Con. Block	Gray	-0.4
68	B	Wall	L Ctr		Poor	Con. Block	Red	1.2
69	B	Curb	Ctr		Poor	Concrete	Yellow	4
70	B	Post	Rgt		Poor	Metal	Yellow	0
71	B	Post	Rgt		Poor	Metal	Yellow	-0.1
72	B	Railing	Rgt	Railing	Poor	Metal	Yellow	-0.2
73	C	Wall	L Ctr		Poor	Con. Block	Red	1.6
74	C	Curb	Ctr		Poor	Concrete	Yellow	3.6
75	C	Door	Ctr	Rgt casing	Poor	Metal	Red	-0.1
76	C	Door	Ctr	U Ctr	Poor	Metal	Gray	0
77	C	Mezz Cg	Ctr		Poor	Metal	Blue	-0.1
78	C	Ladder	Ctr		Poor	Metal	Yellow	2.1
79	C	Column	Ctr		Intact	Metal	Yellow	0
80	C	Col Base	Ctr		Poor	Concrete	Yellow	1.9
81	C	Mezz Rg	Ctr		Intact	Metal	Yellow	1.2
82	D	Railing	Lft	Railing	Poor	Metal	Yellow	2
83	D	Wall	L Ctr		Intact	Con. Block	Red	1.5
84	D	Curb	Ctr		Poor	Concrete	Yellow	2.2
85	A	Column	Ctr		Poor	Metal	Gray	0
1419	A	Ceiling			Poor	Metal	Tan	0.5
1420	A	Rf. Truss	Ctr		Poor	Metal	Tan	-0.1
1421	A	Horiz. Beam	Ctr		Poor	Metal	Tan	0
1422	A	Horiz. Beam	Ctr		Poor	Metal	White	0.1
Building 13								
Interior Room 006 Building 13								
86	A	Wall	U Ctr		Intact	Con. Block	Blue	0.3
87	A	Wall	L Ctr		Intact	Con. Block	Gray	0.1
88	A	Wall	L Ctr		Poor	Con. Block	Red	1.6
89	A	Curb	Ctr		Poor	Concrete	Yellow	2.5
90	A	Column	Rgt		Intact	Metal	Gray	-0.2
91	A	Column	Rgt		Intact	Metal	Yellow	0
92	B	Wall	L Ctr		Poor	Con. Block	Red	1.3
93	B	Curb	Ctr		Poor	Concrete	Yellow	3.1
94	B	Door	Rgt	Rgt casing	Intact	Metal	Gray	0.7
95	B	Door	Rgt	U Ctr	Intact	Metal	Gray	-0.2
96	C	Door	Lft	Rgt casing	Intact	Metal	Red	0.7
97	C	Door	Lft	U Ctr	Intact	Metal	Red	0.1
98	C	Wall	L Lft		Intact	Con. Block	Red	1.4
99	C	Wall	U Lft		Intact	Con. Block	Gray	-0.2
100	C	Wall	U Ctr		Intact	Con. Block	Gray	-0.3

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
101	C	Wall	L Ctr		Intact	Con. Block	Red	-0.1
102	C	Wall	U Rgt		Intact	Drywall	Gray	-0.1
103	C	Wall	L Rgt		Intact	Drywall	Red	-0.2
104	C	Door	Ctr	Rgt casing	Intact	Metal	Gray	0.2
105	C	Door	Ctr	U Ctr	Intact	Metal	Gray	0
106	C	Stairs	Ctr	Risers	Intact	Metal	Gray	0.7
107	C	Stairs	Ctr	Stringer	Intact	Metal	Gray	-0.1
108	C	Stairs	Ctr	Railing cap	Intact	Metal	Gray	0.2
109	C	Wall	U Rgt		Intact	Con. Block	Gray	-0.1
110	C	Wall	L Rgt		Poor	Con. Block	Red	1.6
111	C	Post	Rgt		Poor	Metal	Yellow	>9.9
112	D	Sliding D.	Lft		Intact	Metal	Gray	>9.9
113	D	Sliding D.	Lft		Intact	Metal	Red	>9.9
114	D	Wall	U Ctr		Intact	Con. Block	Gray	0
115	D	Wall	L Ctr		Poor	Con. Block	Red	1.1
116	A	Floor			Poor	Concrete	Red	-0.1
117	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.3
118	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	3.9
119	C	Floor			Poor	Concrete	Red	-0.2
120	C	Railing	Ctr	Railing	Poor	Metal	Yellow	1.7
121	C	Column	Ctr		Intact	Metal	Gray	-0.1
122	C	Column	Ctr		Intact	Metal	Yellow	3.1
156	C	Sliding D.	Ctr		Intact	Wood	White	-0.3
157	C	Sliding D.	Ctr		Intact	Wood	Red	-0.4
1409	A	Ceiling			Poor	Metal	Gray	0.3
1410	A	Horiz. Beam	Ctr		Poor	Metal	Gray	-0.2
1411	A	Rf. Truss	Ctr		Poor	Metal	Gray	0.3
1412	B	Rf. Truss	Ctr		Poor	Metal	Gray	-0.1
1413	B	Horiz. Beam	Ctr		Poor	Metal	Gray	0
1414	B	Ceiling			Poor	Metal	Gray	0.2
Interior Room 007 Building 13 - Loading to 16A								
123	C	Wall	L Lft		Poor	Con. Block	Green	0.5
124	C	Wall	L Rgt		Poor	Con. Block	Red	0.3
125	C	Floor			Poor	Concrete	Yellow	-0.1
126	D	Door	Ctr	Rgt casing	Intact	Metal	Gray	0.4
127	D	Door	Ctr	U Ctr	Intact	Metal	Gray	-0.1
Interior Room 008 Building 13B								
128	A	Horiz. Beam	Ctr		Intact	Metal	Red	-0.2
Interior Room 009 Building 13 - Staging Area								
129	B	Wall	L Ctr		Intact	Con. Block	Red	-0.2
130	D	Wall	L Ctr		Intact	Con. Block	Red	0.2
131	A	Wall	U Ctr		Poor	Con. Block	Tan	-0.2
132	A	Wall	L Ctr		Poor	Con. Block	Green	1.3
133	A	Curb	Ctr		Poor	Concrete	Yellow	4.1
134	A	Post	Ctr		Poor	Metal	Yellow	>9.9
135	C	Wall	L Ctr		Poor	Con. Block	Green	0.1
Interior Room 010 Building 13 - Offices - West								
136	A	R. Truss	Ctr		Intact	Metal	Red	-0.1
137	A	Door	Lft	Rgt casing	Poor	Metal	Black	-0.1
138	A	Door	Lft	U Ctr	Poor	Metal	Black	0
139	C	Railing	Rgt	Railing	Poor	Metal	Tan	-0.1
140	A	Floor			Poor	Concrete	Gray	-0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
Interior Room 011 Building 13 - Offices - East								
141	A	Wall	L Ctr		Intact	Drywall	White	-0.2
142	A	Ceiling			Intact	Drywall	White	-0.1
143	D	Window	Ctr	Sash	Intact	Wood	Gray	0.1
144	D	Door	Lft	Rgt casing	Intact	Metal	Gray	0.6
145	D	Door	Lft	U Ctr	Intact	Metal	Gray	-0.3
146	A	Window	Ctr	Rgt casing	Intact	Metal	Gray	0.1
147	A	Floor			Poor	Concrete	Gray	-0.1
Interior Room 012 Building 13 - Staging Vestibule								
148	A	Wall	L Ctr		Intact	Con. Block	Red	-0.1
149	A	Wall	U Ctr		Intact	Con. Block	Gray	0.1
Interior Room 013 Building 13 - Second Level Offices - East								
150	A	Wall	L Ctr		Intact	Drywall	White	-0.4
151	B	Wall	L Ctr		Intact	Drywall	White	-0.3
152	C	Wall	L Ctr		Intact	Drywall	White	-0.2
153	D	Wall	L Ctr		Intact	Drywall	White	-0.4
154	A	Chair rail	Lft		Poor	Wood	Gray	-0.1
155	A	Window	Ctr	Rgt casing	Intact	Metal	Gray	-0.2
Building 15								
Interior Room 014 Building 15								
158	A	Wall	U Rgt		Poor	Drywall	Gray	-0.2
159	A	Wall	L Rgt		Intact	Drywall	Green	-0.2
160	B	Wall	U Ctr		Poor	Con. Block	Gray	0.2
161	B	Wall	L Ctr		Intact	Con. Block	Red	1
162	B	Curb	Ctr		Poor	Concrete	Yellow	>9.9
163	B	Post	Rgt		Poor	Metal	Yellow	>9.9
164	B	OH Case	Rgt		Poor	Metal	Gray	0
165	C	Stairs	Lft	Stringer	Poor	Metal	Gray	0.5
166	C	Stairs	Lft	Railing cap	Poor	Metal	Gray	0
167	C	Door	Lft	Rgt casing	Poor	Metal	Gray	1
168	C	Door	Lft	U Lft	Poor	Metal	Gray	0.1
169	C	Wall	U Lft		Poor	Metal	Gray	-0.1
170	C	Wall	L Lft		Poor	Con. Block	Red	1.1
171	C	Wall	U Ctr		Intact	Wood	Gray	-0.4
172	C	Wall	L Ctr		Intact	Wood	Red	-0.1
173	C	Post	Lft		Intact	Metal	Gray	0.3
174	C	Floor			Poor	Concrete	Red	-0.2
175	C	Fl. Stripe	Lft		Poor	Concrete	Yellow	1.2
176	B	Tack Board	Rgt		Poor	Wood	Gray	1.2
177	C	Wall	U Ctr		Intact	Con. Block	Gray	-0.1
178	C	Wall	L Ctr		Poor	Con. Block	Green	1.3
179	C	Curb	Ctr		Poor	Concrete	Yellow	2.7
180	C	Sliding D.	Ctr		Poor	Wood	Gray	-0.1
181	C	Wall	U Rgt		Poor	Metal	Gray	-0.1
182	C	Wall	L Rgt		Poor	Con. Block	Green	1.1
183	C	Door	Rgt	Rgt casing	Poor	Metal	Gray	-0.1
184	C	Door	Rgt	U Ctr	Poor	Metal	Gray	-0.2
185	C	Wall	L Rgt		Poor	Metal	Red	4.3
186	D	Pipe	Lft		Poor	Metal	Red	0.3
187	D	Wall	U Ctr		Poor	Metal	Gray	-0.1
188	D	Wall	L Ctr		Poor	Con. Block	Green	1.2
189	D	Curb	Ctr		Poor	Concrete	Yellow	1.3

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
190	A	Column	Ctr		Poor	Metal	Gray	-0.2
191	A	Column	Ctr		Poor	Metal	Yellow	0.1
192	A	Column	Rgt		Poor	Metal	Yellow	0.2
193	B	Col Guard	Rgt		Poor	Metal	Yellow	-0.3
1406	A	Ceiling			Poor	Metal	Tan	0
1407	A	Horiz. Beam	Ctr		Poor	Metal	Gray	-0.1
1408	A	Rf. Truss	Ctr		Poor	Metal	Gray	0.2
Interior Room 015 Building 15 - Staging Area								
194	A	Wall	U Ctr		Intact	Con. Block	Green	-0.2
195	A	Wall	L Ctr		Poor	Con. Block	Gray	1.4
196	A	Curb	Ctr		Poor	Concrete	Yellow	3.5
197	C	Post	Ctr		Poor	Metal	Yellow	5
198	C	Wall	U Ctr		Intact	Metal	Green	0
199	C	Wall	L Ctr		Poor	Con. Block	Gray	1.4
200	C	Sliding D.	Rgt		Poor	Wood	Gray	1.9
Interior Room 016 Building 15 - Second Level - Men's								
201	C	Wall	L Rgt		Poor	Metal	Gray	-0.1
Interior Room 017 Building 15 - Second Level - Women's								
202	A	Wall	U Ctr		Intact	Con. Block	Gray	-0.4
203	A	Wall	L Ctr		Intact	Con. Block	Red	1.1
204	C	Wall	U Ctr		Poor	Metal	Gray	-0.1
205	C	Wall	L Ctr		Poor	Metal	Red	-0.2
206	C	Floor			Poor	Concrete	Gray	-0.2
207	A	Stall	Ctr		Intact	Wood	Gray	0.2
208	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.1
209	A	Door	Rgt	U Ctr	Poor	Metal	Gray	0.5
210	A	Wall	L Lft		Intact	Drywall	White	-0.3
211	C	Wall	L Rgt		Intact	Wood	Gray	-0.3
212	C	Wall	U Ctr		Intact	Con. Block	Gray	-0.3
213	C	Wall	L Ctr		Intact	Con. Block	Green	-0.1
214	A	Railing	Ctr	Railing	Intact	Metal	Gray	0
215	C	R. Truss	Ctr		Intact	Metal	Red	-0.3
216	A	Wall	L Rgt		Intact	Drywall	Red	-0.2
217	A	Railing	Rgt	Railing	Poor	Metal	Yellow	-0.3
Interior Room 018 Building 15 - South Offices								
218	C	Wall	L Ctr		Intact	Drywall	White	-0.4
219	C	Door	Lft	Rgt casing	Intact	Wood	Varnish	-0.2
220	C	Door	Lft	U Ctr	Intact	Metal	Gray	-0.1
221	C	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.1
Building 8A								
Interior Room 019 Building 8A								
222	A	Wall	U Lft		Intact	Con. Block	Lt. Grn	-0.1
223	A	Wall	L Lft		Poor	Con. Block	Green	1.5
224	A	Wall	U Ctr		Intact	Con. Block	Lt. Grn	-0.1
225	A	Wall	L Ctr		Poor	Con. Block	Green	0
226	B	Wall	U Ctr		Intact	Con. Block	Gray	0.3
227	B	Wall	L Ctr		Poor	Con. Block	Red	1.4
228	B	Door	Ctr	Rgt casing	Poor	Metal	Red	1.4
229	B	Door	Ctr	U Ctr	Poor	Metal	Red	>9.9
230	B	Curb	Ctr		Poor	Concrete	Yellow	1.1
231	B	Post	Rgt		Poor	Metal	Yellow	7.4
232	B	Floor			Intact	Concrete	Red	-0.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
233	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.3
234	B	Column	Ctr		Poor	Metal	Gray	0.2
235	B	Column	Ctr		Poor	Metal	Yellow	1.2
236	C	Column	Lft		Poor	Metal	White	0
237	C	Column	Lft		Poor	Metal	Gray	0.2
238	C	Column	Lft		Poor	Metal	Red	0
239	C	Wall	U Lft		Intact	Drywall	Gray	-0.3
240	C	Wall	L Lft		Poor	Drywall	Red	-0.4
241	C	Railing	Lft	Railing	Poor	Metal	Yellow	1.4
242	B	Trench	Ctr		Poor	Metal	Yellow	-0.1
243	C	Door	Rgt	Rgt casing	Poor	Metal	Gray	0
244	C	Door	Rgt	U Ctr	Poor	Wood	Gray	0.1
245	C	Wall	U Rgt		Intact	Con. Block	Green	0.3
246	C	Wall	L Rgt		Poor	Con. Block	Gray	1.3
Interior Room 999 Mid-Day Calibration (8/30/18)								
247								1
248								1.1
249								1
250								0
251	A	Floor			Poor	Concrete	Yellow	3.9
252	A	Door	Lft	Rgt casing	Poor	Metal	Gray	1.6
253	A	Door	Lft	U Ctr	Poor	Metal	Gray	0.2
254	D	Wall	U Ctr		Poor	Con. Block	Lt. Grn	0
255	D	Wall	L Ctr		Poor	Con. Block	Green	1
256	D	Column	Ctr		Poor	Metal	Lt. Grn	-0.1
257	D	Column	Ctr		Poor	Metal	Green	0
261	D	Railing	Rgt	Railing	Poor	Metal	Gray	-0.1
262	C	OH Door	Rgt		Poor	Wood	Gray	0.5
1403	A	Ceiling			Poor	Metal	Tan	0
1404	A	Rf. Truss	Ctr		Poor	Metal	Tan	-0.1
1405	A	Horiz. Beam	Ctr		Poor	Metal	Tan	-0.1
Interior Room 020 Building 8A - Mezzanine								
258	A	R. Truss	Ctr		Poor	Metal	Red	0.2
259	D	Vert. Beam	Ctr		Poor	Metal	Red	-0.1
260	B	Air Handler	Ctr		Poor	Metal	Blue	-0.1
Building 12								
Interior Room 021 Building 12								
263	A	Wall	U Lft		Poor	Con. Block	Gray	0.2
264	A	Wall	L Lft		Poor	Con. Block	Red	1.4
265	A	Wall	U Lft		Poor	Con. Block	Blue	0.4
266	A	Column	Lft		Poor	Metal	Gray	1.2
267	A	Column	Lft		Poor	Metal	Red	2.1
268	A	Post	Lft		Poor	Metal	Yellow	0.2
269	A	Column	Lft		Poor	Metal	White	0
270	A	Column	Lft		Poor	Metal	Red	0
271	A	Column	Lft		Poor	Metal	Gray	0.1
272	A	Column	Lft		Poor	Metal	Red	0.6
273	B	Wall	U Lft		Poor	Con. Block	Blue	0
274	B	Wall	L Lft		Poor	Con. Block	Gray	0.2
275	B	Wall	L Lft		Poor	Con. Block	Red	-0.1
276	A	Wall	U Rgt		Poor	Con. Block	Gray	0.3
277	A	Wall	L Rgt		Poor	Con. Block	Red	1.6

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
278	A	Curb	Rgt		Poor	Concrete	Yellow	3.5
279	B	Wall	U Ctr		Poor	Con. Block	Gray	0
280	B	Wall	L Ctr		Poor	Con. Block	Red	1.2
281	B	Wall	L Ctr		Poor	Con. Block	Red	6
282	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	-0.1
283	A	Door	Rgt	U Ctr	Poor	Metal	Gray	0
284	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.3
285	A	Column	Rgt		Poor	Metal	Red	0.3
286	A	Column	Rgt		Poor	Metal	Gray	0.4
287	B	Column	Ctr		Poor	Metal	Gray	-0.1
288	B	Column	Ctr		Poor	Metal	Red	0
289	B	Wall	U Rgt		Poor	Con. Block	Gray	0
290	B	Wall	L Rgt		Poor	Con. Block	Red	1
291	B	Column	Rgt		Poor	Metal	Lt. Grn	0
292	B	Column	Rgt		Poor	Metal	Gray	0.3
293	C	Wall	U Lft		Poor	Con. Block	Gray	0.1
294	C	Wall	L Lft		Poor	Con. Block	Red	1
295	C	Wall	U Rgt		Poor	Con. Block	Gray	0.5
296	C	Wall	L Rgt		Poor	Con. Block	Red	1
297	C	Column	Rgt		Poor	Metal	Gray	-0.2
298	C	Column	Rgt		Poor	Metal	Red	0
299	D	Wall	U Lft		Poor	Con. Block	Gray	-0.2
300	D	Wall	L Lft		Poor	Con. Block	Red	1.2
301	C	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.1
302	C	Door	Rgt	Lft casing	Poor	Metal	Yellow	-0.1
303	C	Door	Rgt	U Ctr	Poor	Wood	Gray	0
304	C	Ceiling			Poor	Metal	Gray	0.3
305	C	R. Truss	Ctr		Poor	Metal	Gray	-0.2
306	D	OH Case	Lft		Poor	Metal	Red	1
307	D	OH Case	Lft		Poor	Metal	Red	3.4
308	D	Sliding D.	Lft		Poor	Metal	Gray	>9.9
309	D	Post	Lft		Poor	Metal	Yellow	8.2
310	D	Column	Ctr		Poor	Metal	Gray	0.4
311	D	Column	Ctr		Poor	Metal	Red	0.2
312	D	Post	Ctr		Poor	Metal	Yellow	-0.3
313	D	Floor			Poor	Concrete	Gray	-0.2
314	D	Wall	U Rgt		Poor	Con. Block	Gray	-0.2
315	D	Wall	L Rgt		Poor	Con. Block	Red	1.8
316	D	Column	Rgt		Poor	Metal	Gray	0.1
317	D	Column	Rgt		Poor	Metal	Red	0.3
318	D	Door	Ctr	Rgt casing	Poor	Wood	Blue	-0.3
319	D	Door	Ctr	Rgt casing	Poor	Wood	Gray	-0.3
320	D	Door	Ctr	Rgt casing	Poor	Wood	Red	-0.1
321	D	Door	Ctr	Lft casing	Poor	Wood	Red	0
322	D	Door	Ctr	U Ctr	Poor	Wood	Gray	-0.3
323	B	Column	Rgt		Poor	Metal	Gray	0.4
324	B	Column	Rgt		Poor	Metal	Yellow	2.6
325	C	Column	Ctr		Poor	Metal	Gray	-0.2
326	C	Column	Ctr		Poor	Metal	Yellow	0.3
327	C	Post	Ctr		Poor	Metal	Gray	-0.1
328	C	Post	Ctr		Poor	Metal	Yellow	0.3
329	D	Column	Ctr		Poor	Metal	Gray	-0.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
330	D	Column	Ctr		Poor	Metal	Yellow	1
331	D	Column	Ctr		Poor	Metal	Red	1.2
332	A	Curb	Lft		Poor	Concrete	Yellow	1.3
333	B	Toe Kick	Ctr		Poor	Metal	Yellow	1.4
375	A	Floor			Poor	Concrete	Red	0.1
376	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	2.1
377	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
378	D	Floor			Poor	Concrete	Red	0.4
1423	C	Ceiling			Poor	Metal	White	-0.1
1424	C	Horiz. Beam	Ctr		Poor	Metal	White	-0.1
1425	C	Rf. Truss	Ctr		Poor	Metal	White	0
1426	D	Rf. Truss	Ctr		Poor	Metal	White	-0.1
1427	D	Horiz. Beam	Ctr		Poor	Metal	White	0.2
1428	D	Ceiling			Poor	Metal	White	-0.2
Interior Room 022 Building 12 - West Lab								
334	A	Wall	U Ctr		Poor	Con. Block	Gray	0
335	A	Wall	L Ctr		Poor	Con. Block	Red	2.1
336	B	Wall	U Ctr		Poor	Con. Block	Gray	-0.1
337	B	Wall	L Ctr		Poor	Con. Block	Red	1.8
338	C	Wall	U Ctr		Poor	Con. Block	Gray	0.5
339	C	Wall	L Ctr		Poor	Con. Block	Red	1.7
340	D	Wall	U Ctr		Poor	Con. Block	Gray	0.7
341	D	Wall	L Ctr		Poor	Con. Block	Red	1.9
342	C	Column	Ctr		Poor	Metal	Gray	0
343	C	Column	Ctr		Poor	Metal	Red	0.3
344	A	Floor			Poor	Concrete	Gray	0.1
345	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.2
346	A	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.1
347	B	Door	Ctr	Rgt casing	Poor	Metal	Red	1
Interior Room 023 Building 12 - Reliability Lab								
348	A	Wall	U Rgt		Poor	Con. Block	Gray	-0.1
349	A	Wall	L Rgt		Poor	Con. Block	Red	1.8
350	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.5
351	A	Door	Rgt	U Ctr	Poor	Metal	Gray	-0.1
352	B	Wall	U Ctr		Poor	Con. Block	Gray	0.6
353	B	Wall	L Ctr		Poor	Con. Block	Red	1.4
354	C	Wall	U Ctr		Poor	Con. Block	Gray	0
355	C	Wall	L Ctr		Poor	Con. Block	Red	1.7
356	D	Wall	U Ctr		Poor	Con. Block	Gray	0.3
357	D	Wall	L Ctr		Poor	Con. Block	Red	2.4
358	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	-0.1
359	D	Door	Ctr	U Ctr	Poor	Metal	Gray	0
360	A	Floor			Poor	Concrete	Gray	0.1
361	A	Wall	L Ctr		Poor	Drywall	White	-0.3
362	A	Window	Ctr	Rgt casing	Poor	Metal	Brown	0.5
Interior Room 024 Building 12 - Fuel Systems - West								
363	A	Wall	L Ctr		Poor	Con. Block	Gray	-0.3
364	A	Wall	L Rgt		Poor	Con. Block	Red	-0.2
365	A	Wall	U Rgt		Poor	Con. Block	Blue	0
366	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.3
367	A	Door	Ctr	U Ctr	Poor	Metal	Gray	0.2
368	A	Floor			Poor	Concrete	Gray	0

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)
Interior Room 025 Building 12 - Fuel Systems - Central								
369	A	Wall	L Ctr		Poor	Con. Block	White	0.1
370	A	Wall	U Ctr		Poor	Con. Block	Blue	-0.1
371	B	Door	Ctr	Rgt casing	Poor	Metal	Tan	0.2
372	B	Door	Ctr	U Ctr	Poor	Metal	Tan	0
Interior Room 026 Building 12 - Fuel Systems - East								
373	A	Wall	U Ctr		Poor	Con. Block	Blue	-0.3
374	A	Wall	L Ctr		Poor	Con. Block	White	-0.1
Building 10								
Interior Room 027 Building 10								
379	A	Wall	U Ctr		Poor	Con. Block	Gray	0.3
380	A	Wall	L Ctr		Poor	Con. Block	Red	1.1
381	A	Door	Rgt	Rgt casing	Poor	Metal	Red	1.1
382	A	Door	Rgt	U Ctr	Poor	Metal	Gray	9.7
383	A	Post	Rgt		Poor	Metal	Yellow	>9.9
384	B	Wall	U Ctr		Poor	Con. Block	Gray	0.3
385	B	Wall	L Ctr		Poor	Con. Block	Red	1.3
386	B	Curb	Ctr		Poor	Concrete	Yellow	>9.9
387	C	Wall	U Ctr		Poor	Con. Block	Gray	0.4
388	C	Wall	L Ctr		Poor	Con. Block	Red	1.6
389	C	Window	Ctr		Poor	Glass	Gray	0.1
390	C	Column	Ctr		Poor	Metal	Gray	1.2
391	C	Column	Ctr		Poor	Metal	Red	1.9
392	D	Wall	U Ctr		Poor	Con. Block	Gray	-0.1
393	D	Wall	L Ctr		Poor	Con. Block	Red	1.5
394	D	Door	Rgt	Rgt casing	Poor	Metal	Red	1
395	D	Door	Rgt	U Ctr	Poor	Metal	Gray	0.5
396	D	Wall	U Ctr		Poor	Con. Block	Blue	0.3
397	A	Floor			Poor	Concrete	Blue	0.3
398	C	Door	Lft	Rgt casing	Poor	Metal	Gray	-0.1
399	C	Door	Lft	U Ctr	Poor	Metal	Gray	-0.1
400	C	Railing	Lft	Railing	Poor	Metal	Yellow	-0.1
401	C	Column	Ctr		Poor	Metal	Gray	-0.1
402	C	Column	Ctr		Poor	Metal	Yellow	1.7
403	A	Column	Ctr		Poor	Metal	Gray	1.9
404	D	Floor			Poor	Concrete	Red	-0.1
405	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.8
406	C	Floor			Poor	Concrete	Red	-0.1
407	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.4
Interior Room 999 Post Calibration (8/30/18)								
408								1
409								1.1
410								1.1
411								-0.2
Interior Room 999 Pre Calibration (9/04/18)								
412								0.9
413								1
414								0.9
415								-0.1
1429	B	Ceiling			Poor	Metal	White	-0.3
1430	B	Horiz. Beam	Ctr		Poor	Metal	White	-0.2
1431	B	Rf. Truss	Ctr		Poor	Metal	White	0

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1432	B	Pipe	Ctr		Poor	Metal	Yellow	1.5
1433	B	Pipe	Ctr		Poor	Metal	Gray	-0.1
1434	A	Ceiling			Poor	Metal	White	-0.1
1435	A	Rf. Truss	Ctr		Poor	Metal	White	0.6
1436	A	Horiz. Beam	Ctr		Poor	Metal	White	0.2
Building 17								
Interior Room 028 Building 17								
416	A	Wall	U Ctr		Poor	Con. Block	Gray	2
417	A	Wall	L Ctr		Poor	Con. Block	Red	2
418	A	Baseboard	Ctr		Poor	Concrete	Red	1.6
419	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.8
420	A	Door	Rgt	U Ctr	Intact	Metal	Gray	0
421	A	Stairs	Rgt	Risers	Poor	Metal	Gray	1.1
422	A	Curb	Ctr		Poor	Concrete	Yellow	3
423	A	Post	Ctr		Poor	Metal	Yellow	3
424	A	Wall	U Lft		Poor	Con. Block	Gray	1
425	A	Wall	L Lft		Poor	Con. Block	Red	1.9
426	A	Door	Lft	Rgt casing	Poor	Metal	Red	2.2
427	A	Door	Lft	U Ctr	Poor	Wood	Gray	1.7
428	A	Stairs	Lft	Railing cap	Poor	Metal	Gray	1.3
429	A	Stairs	Lft	Stringer	Poor	Metal	Gray	1.2
430	B	Wall	U Lft		Intact	Metal	Gray	-0.1
431	B	Wall	L Lft		Poor	Con. Block	Red	1.2
432	B	Curb	Lft		Poor	Concrete	Yellow	3.5
433	B	Railing	Lft	Railing	Poor	Metal	Yellow	9.1
434	B	Wall	U Rgt		Intact	Metal	Gray	-0.1
435	B	Wall	L Rgt		Poor	Con. Block	Red	1.4
436	B	Curb	Rgt		Poor	Concrete	Yellow	5.1
437	C	Wall	U Ctr		Poor	Con. Block	Gray	2.1
438	C	Wall	L Ctr		Poor	Con. Block	Red	1.9
439	C	Curb	Ctr		Poor	Concrete	Yellow	3.7
440	C	Post	Ctr		Poor	Metal	Yellow	6.4
441	C	Column	Lft		Poor	Metal	Gray	-0.1
442	C	Column	Lft		Poor	Metal	Red	0
443	C	Column	Rgt		Poor	Metal	Gray	-0.1
444	C	Column	Rgt		Poor	Metal	Red	0.3
445	C	Pipe	Rgt		Poor	Metal	Gray	-0.2
446	C	Pipe	Rgt		Poor	Metal	Red	1.4
447	D	Wall	U Lft		Poor	Con. Block	Gray	1.2
448	D	Wall	L Lft		Poor	Con. Block	Red	1.6
449	D	Pipe	Lft		Poor	Metal	Gray	0.2
450	D	Pipe	Lft		Poor	Metal	Red	1
451	D	Curb	Lft		Poor	Concrete	Yellow	8.7
452	D	Window	Lft	Sill	Intact	Concrete	Gray	0.2
453	D	Wall	U Ctr		Poor	Con. Block	Gray	1
454	D	Wall	L Ctr		Poor	Con. Block	Red	1.1
455	D	Curb	Ctr		Poor	Concrete	Yellow	5.8
456	D	Elec. Panel	Ctr		Poor	Metal	Gray	2.4
457	D	Column	Ctr		Poor	Metal	Gray	0.1
458	D	Column	Ctr		Poor	Metal	Red	0.1
459	D	Pipe	Rgt		Poor	Metal	Gray	-0.1
460	D	Pipe	Rgt		Poor	Metal	Red	1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
461	D	Column	Rgt		Poor	Metal	Tan	-0.2
462	D	Column	Rgt		Poor	Metal	Gray	0.1
463	D	Col. Base	Rgt		Poor	Concrete	Red	-0.2
464	B	Pipe	Lft		Poor	Metal	Red	-0.1
465	D	Pipe	Rgt		Poor	Metal	Stripe	-0.3
466	D	Col. Base	Rgt		Poor	Concrete	Yellow	0.1
467	C	Column	Ctr		Poor	Metal	Brown	-0.1
468	C	Col. Base	Ctr		Poor	Concrete	Brown	0
469	B	Column	Ctr		Poor	Metal	Stripe	-0.2
470	A	Column	Ctr		Poor	Metal	Brown	-0.3
471	A	Bench	Ctr		Poor	Wood	Gray	0
472	A	Fl. Stripe	Ctr		Poor	Concrete	Gray	-0.3
473	C	Fl. Stripe	Ctr		Poor	Concrete	Red	-0.3
474	C	Fl. Stripe	Ctr		Poor	Concrete	Blue	-0.3
475	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.3
476	C	Floor			Poor	Concrete	Red	-0.1
477	C	Door	Ctr	U Ctr	Poor	Metal	Red	9.3
478	A	Door	Lft	Rgt casing	Poor	Metal	Gray	1.2
479	A	Door	Lft	U Ctr	Poor	Metal	Gray	2.2
1444	A	Ceiling			Poor	Metal	Tan	-0.3
1445	A	Horiz. Beam	Ctr		Poor	Metal	Tan	-0.1
1446	A	Rf. Truss	Ctr		Poor	Metal	Tan	-0.2
1447	A	Pipe	Ctr		Poor	Metal	Red	-0.1
1448	C	Ceiling			Poor	Metal	Tan	-0.3
1449	C	Rf. Truss	Ctr		Poor	Metal	Tan	-0.1
1450	C	Horiz. Beam	Ctr		Poor	Metal	Tan	-0.2
Interior Room 029 Building 17 - Staging Area								
480	A	Wall	U Ctr		Poor	Con. Block	Gray	0.5
481	A	Wall	L Ctr		Poor	Con. Block	Red	1.1
482	A	OH Door	Lft		Poor	Wood	Gray	0.1
483	A	Post	Lft		Poor	Metal	Yellow	9.5
484	C	Door	Ctr	U Ctr	Poor	Wood	Red	1.5
485	D	Pipe	Lft		Poor	Metal	Gray	0.5
486	D	Pipe	Lft		Poor	Metal	Red	1.6
Interior Room 030 Building 17 - Mezzanine								
487	A	Wall	U Ctr		Poor	Con. Block	Gray	1
488	A	Wall	L Ctr		Poor	Con. Block	Red	1.4
489	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.3
490	A	Door	Ctr	U Ctr	Poor	Metal	Gray	1.2
491	C	Railing	Ctr	Railing	Poor	Metal	Gray	2.2
502	A	Duct	Ctr		Poor	Metal	White	-0.1
Interior Room 031 Building 17 - Mezzanine - East Storage								
492	A	Wall	U Ctr		Intact	Con. Block	White	-0.1
493	A	Wall	L Ctr		Intact	Con. Block	Green	-0.1
Interior Room 032 Building 17 - Mezzanine - West Lab								
494	A	Wall	U Ctr		Poor	Con. Block	Green	0.4
495	B	Wall	U Ctr		Poor	Con. Block	Tan	0.6
496	C	Wall	L Ctr		Poor	Con. Block	Lt. Gray	1.3
497	D	Wall	L Ctr		Poor	Con. Block	Gray	1.2
498	A	Rf. Truss	Ctr		Poor	Metal	Gray	0
499	A	Floor			Poor	Concrete	Gray	-0.1
Interior Room 033 Building 17 - Mezzanine - Men's								

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
500	A	Wall	U Ctr		Poor	Con. Block	Gray	1
501	A	Wall	L Ctr		Poor	Con. Block	Red	2.1
Building 11								
Interior Room 034 Building 11								
503	A	Wall	U Ctr		Poor	Con. Block	Gray	1.1
504	A	Wall	L Ctr		Poor	Con. Block	Red	2.7
505	A	Window	Ctr		Poor	Glass	Gray	0
506	A	Column	Ctr		Poor	Metal	Gray	1
507	A	Column	Ctr		Poor	Metal	Yellow	1.4
508	A	OH Case	Ctr		Poor	Metal	Gray	-0.1
509	A	OH Case	Ctr		Poor	Metal	Yellow	0.2
510	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	1.7
511	A	Door	Rgt	U Ctr	Poor	Metal	Gray	1.4
512	B	Railing	Lft	Railing	Poor	Metal	Yellow	4.8
513	B	Post	Lft		Poor	Metal	Yellow	4.4
514	B	Pipe	Lft		Poor	Metal	Yellow	4.5
515	B	Wall	U Lft		Poor	Con. Block	Gray	2.5
516	B	Wall	L Lft		Poor	Con. Block	Red	2.1
517	B	Column	Lft		Poor	Metal	White	2
518	B	Curb	Lft		Poor	Concrete	Yellow	0
519	B	Wall	U Ctr		Poor	Con. Block	Gray	1.1
520	B	Wall	L Ctr		Poor	Con. Block	Red	1.9
521	B	Curb	Ctr		Poor	Concrete	Yellow	0.2
522	B	Wall	U Rgt		Intact	Wood	Gray	-0.2
523	B	Wall	L Rgt		Intact	Wood	Red	-0.2
524	B	Post	Rgt		Poor	Metal	Yellow	>9.9
525	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.6
526	B	Door	Ctr	U Ctr	Poor	Metal	Gray	0
527	C	Wall	U Ctr		Poor	Con. Block	Gray	0
528	C	Wall	L Ctr		Poor	Con. Block	Red	1.9
529	C	Pipe	Lft		Intact	Metal	Gray	-0.2
530	C	Pipe	Lft		Poor	Metal	Red	1.2
531	C	Column	Lft		Poor	Metal	Red	1.7
532	C	Column	Lft		Poor	Metal	Gray	0
533	D	Wall	U Lft		Poor	Con. Block	Gray	1.5
534	D	Wall	L Lft		Poor	Con. Block	Red	1.2
535	D	Column	Lft		Poor	Metal	Red	1.3
536	D	Pipe	Lft		Poor	Metal	Red	8.3
537	D	Column	Lft		Poor	Metal	Gray	0.3
538	D	Pipe	Lft		Poor	Metal	Gray	0.4
539	D	Door	Lft	U Ctr	Poor	Metal	Gray	>9.9
540	D	Door	Ctr	U Ctr	Poor	Metal	Gray	>9.9
541	D	Door	Ctr	Rgt casing	Poor	Metal	Red	1
542	D	Column	Ctr		Poor	Metal	Yellow	2.2
543	D	Pipe	Ctr		Poor	Metal	Yellow	5.4
544	D	OH Case	Ctr		Poor	Metal	Gray	0.5
545	D	OH Case	Ctr		Poor	Metal	Red	0.2
546	D	Wall	U Rgt		Poor	Brick	Gray	1.1
547	D	Wall	L Rgt		Poor	Brick	Red	2.3
548	D	Column	Rgt		Poor	Metal	Red	1.4
549	D	Column	Rgt		Poor	Metal	Gray	0.4
550	D	Door	Rgt	Rgt casing	Poor	Metal	White	1.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
551	D	Door	Rgt	U Ctr	Poor	Metal	Gray	1.1
552	A	Column	Ctr		Poor	Metal	Gray	0
553	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	0
554	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
555	B	Floor			Poor	Concrete	Red	0.1
556	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.2
557	D	Fl. Stripe	Rgt		Poor	Concrete	Yellow	-0.2
558	B	Elec. Panel	Ctr		Poor	Metal	Yellow	-0.1
1437	D	Ceiling			Poor	Metal	Tan	0.3
1438	D	Rf. Truss	Ctr		Poor	Metal	Tan	0
1439	D	Horiz. Beam	Ctr		Poor	Metal	Tan	0
1440	B	Ceiling			Poor	Metal	Tan	-0.1
1441	B	Rf. Truss	Ctr		Poor	Metal	Tan	-0.2
1442	B	Horiz. Beam	Ctr		Poor	Metal	Tan	-0.1
1443	B	Pipe	Ctr		Poor	Metal	Red	-0.1
Interior Room 035 Building 11 - North Office								
559	D	Wall	U Ctr		Intact	Con. Block	Green	0
Interior Room 036 Building 11 - Quality Control								
560	B	Column	Ctr		Intact	Metal	Green	0
561	D	Door	Ctr	Rgt casing	Intact	Metal	Brown	0.1
562	D	Door	Ctr	U Ctr	Poor	Metal	Brown	-0.1
Interior Room 037 Building 11 - Safety Office								
563	D	Wall	L Ctr		Intact	Drywall	White	-0.5
564	D	Door	Ctr	Rgt casing	Intact	Metal	White	0.4
565	D	Door	Ctr	U Ctr	Intact	Metal	Tan	-0.1
Interior Room 038 Building 11 - First Aid								
566	B	Wall	U Ctr		Intact	Con. Block	White	0
567	D	Door	Lft	Rgt casing	Poor	Metal	Gray	1
568	D	Door	Lft	U Ctr	Poor	Metal	Gray	0
Interior Room 039 Building 11 - Electronics								
569	D	Door	Lft	Rgt casing	Poor	Metal	Tan	1
570	D	Door	Lft	U Ctr	Poor	Metal	Tan	0
Interior Room 999 Mid-Day Calibration (8/31/18)								
571								1.2
572								1
573								1.1
574								0
Building 4								
Interior Room 040 Building 4								
575	A	Wall	U Rgt		Poor	Con. Block	White	1.6
576	A	Wall	L Rgt		Poor	Con. Block	Green	1.9
577	A	Wall	U Ctr		Poor	Concrete	White	1.6
578	A	Wall	L Ctr		Poor	Concrete	Green	1.5
579	B	Wall	U Lft		Poor	Concrete	White	1.6
580	B	Wall	L Lft		Poor	Concrete	Green	1.6
581	C	Wall	U Ctr		Poor	Con. Block	White	1.5
582	C	Wall	L Ctr		Poor	Con. Block	Green	2
583	C	Baseboard	Ctr		Poor	Concrete	Green	2.6
584	D	Wall	U Ctr		Poor	Con. Block	White	1.4
585	D	Wall	L Ctr		Poor	Con. Block	Green	1.8
586	D	Baseboard	Ctr		Poor	Concrete	Green	2.2
587	D	Floor			Poor	Concrete	Gray	-0.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
588	A	Railing	Ctr	Railing	Poor	Metal	Yellow	4.8
589	A	Door	Lft	Rgt casing	Poor	Metal	Gray	2.9
590	A	Door	Lft	U Ctr	Poor	Metal	Tan	-0.2
1451	A	Rf. Truss	Ctr		Poor	Metal	Tan	2.3
Interior Room 041 Building 4A								
591	A	Wall	U Ctr		Poor	Brick	Blue	0.1
592	A	Wall	L Ctr		Poor	Brick	Tan	2.1
593	A	Baseboard	Ctr		Poor	Brick	Red	1.2
594	A	Elec. Panel	Ctr		Poor	Metal	Yellow	2.6
595	A	Door	Rgt	Rgt casing	Poor	Metal	Red	1.2
596	B	Wall	U Ctr		Poor	Con. Block	Blue	0.2
597	B	Wall	L Ctr		Poor	Con. Block	Tan	1.6
598	B	Wall	L Ctr		Poor	Con. Block	Red	1.7
599	C	Wall	U Ctr		Poor	Con. Block	Blue	0.1
600	C	Wall	L Ctr		Poor	Con. Block	Tan	1.6
601	C	Wall	L Ctr		Poor	Con. Block	Red	1.3
602	D	Wall	U Ctr		Poor	Brick	Blue	0.4
603	D	Wall	L Ctr		Poor	Brick	Tan	1.7
604	D	Wall	L Ctr		Poor	Con. Block	Red	1.1
605	C	Door	Ctr	Rgt casing	Poor	Metal	Red	1.9
606	C	Door	Ctr	U Ctr	Poor	Metal	Tan	0.2
607	A	Column	Ctr		Poor	Metal	Tan	0.1
608	A	Column	Ctr		Poor	Metal	Red	0.3
609	C	Door	Rgt	Rgt casing	Poor	Metal	Red	5
Interior Room 042 Building 4B								
610	A	Wall	U Ctr		Poor	Brick	Tan	1.5
611	A	Wall	L Ctr		Poor	Brick	Red	1.8
612	B	Wall	U Lft		Poor	Brick	Tan	1.1
613	B	Wall	L Lft		Poor	Brick	Red	1.6
614	B	Wall	U Rgt		Poor	Con. Block	White	0.1
615	B	Wall	L Rgt		Poor	Con. Block	Gray	1.2
616	C	Wall	U Ctr		Poor	Con. Block	White	0.3
617	C	Wall	L Ctr		Poor	Con. Block	Gray	1
618	D	Wall	U Ctr		Poor	Con. Block	Tan	0.3
619	D	Wall	L Ctr		Poor	Con. Block	Red	1.2
620	D	Wall	U Rgt		Poor	Brick	Tan	1.3
621	D	Door	Rgt	Rgt casing	Poor	Metal	Red	2.1
622	D	Door	Rgt	U Ctr	Poor	Wood	Red	1.9
623	B	Column	Ctr		Poor	Metal	Tan	1.4
624	D	Fan	Ctr		Poor	Metal	Tan	-0.2
Building 11								
Interior Room 043 Building 11A								
625	C	Pipe	Ctr		Intact	Metal	Yellow	3.6
626	A	Horiz. Beam	Ctr		Intact	Metal	Red	0.1
627	D	Door	Lft	Rgt casing	Intact	Metal	Blue	0.1
628	D	Door	Lft	U Ctr	Intact	Metal	Tan	-0.1
Building 3								
Interior Room 044 Building 3C								
629	A	Wall	U Ctr		Poor	Brick	Blue	0.5
630	A	Wall	L Ctr		Poor	Brick	Tan	1.5
631	A	Wall	L Ctr		Poor	Brick	Red	1.3
632	B	Wall	U Ctr		Poor	Brick	Blue	0.7

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
633	B	Wall	L Ctr		Poor	Brick	Tan	1
634	B	Wall	L Ctr		Poor	Brick	Red	1.1
635	C	Wall	U Ctr		Poor	Brick	Blue	0
636	C	Wall	L Ctr		Poor	Brick	Tan	1.2
637	C	Wall	L Ctr		Poor	Brick	Red	1.4
638	D	Wall	U Lft		Poor	Brick	Blue	0
639	D	Wall	L Lft		Poor	Brick	Tan	1.2
640	D	Wall	L Lft		Poor	Brick	Red	1.4
641	D	Wall	U Ctr		Poor	Con. Block	Tan	1.1
642	D	Wall	L Ctr		Poor	Con. Block	Red	1.4
643	D	Wall	U Rgt		Intact	Drywall	Blue	-0.4
644	D	Wall	L Rgt		Intact	Drywall	Tan	-0.4
645	D	Wall	L Rgt		Poor	Drywall	Red	-0.1
646	A	Door	Rgt	Rgt casing	Poor	Wood	Red	0.5
647	A	Door	Rgt	U Ctr	Poor	Wood	Red	0.5
648	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.1
649	A	Door	Rgt	U Ctr	Poor	Metal	Gray	0.1
650	B	Door	Lft	Rgt casing	Poor	Metal	Gray	1.3
651	B	Door	Lft	U Ctr	Poor	Metal	Gray	0.4
652	B	Pipe	Ctr		Poor	Metal	White	-0.4
653	B	Pipe	Ctr		Poor	Metal	Red	>9.9
654	C	Pipe	Rgt		Poor	Metal	Red	>9.9
655	D	Pipe	Lft		Poor	Metal	Red	1.1
656	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.1
657	D	Door	Ctr	U Ctr	Poor	Metal	Gray	0.7
658	D	OH Case	Ctr		Poor	Wood	Red	1.1
659	D	OH Door	Ctr		Poor	Wood	Gray	-0.4
664	A	Column	Ctr		Poor	Metal	Tan	-0.2
665	A	Column	Ctr		Poor	Metal	Red	0.3
Building 4								
Interior Room 044 Building 4A								
1452	A	Ceiling			Poor	Wood	Tan	-0.1
1453	A	Horiz. Beam	Ctr		Poor	Metal	Tan	0.2
Building 3								
Interior Room 045 Building 3C - Office								
660	A	Floor			Poor	Concrete	Gray	0.2
661	C	Door	Rgt	Rgt casing	Intact	Wood	Varnish	-0.2
662	C	Door	Rgt	U Ctr	Intact	Wood	Varnish	-0.1
663	D	Window	Lft	Rgt casing	Intact	Wood	Varnish	-0.1
Interior Room 046 Building 3B								
666	A	Wall	L Ctr		Poor	Metal	Gray	-0.1
667	B	Wall	L Ctr		Poor	Metal	Gray	0.1
668	C	Wall	U Rgt		Poor	Con. Block	White	0
669	C	Wall	L Rgt		Poor	Con. Block	Gray	1.2
670	C	Door	Rgt	U Ctr	Poor	Wood	White	1.3
671	C	Column	Rgt		Poor	Metal	Tan	-0.1
672	C	Column	Rgt		Poor	Metal	Gray	0
673	D	Wall	U Lft		Poor	Brick	Tan	0.1
674	D	Wall	L Lft		Poor	Brick	Gray	1.2
675	D	Railing	Lft	Railing	Poor	Metal	Yellow	3.2
676	D	Toe Kick	Lft		Poor	Metal	Yellow	3.2
677	D	Ladder	Lft		Poor	Metal	Yellow	3.7

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
678	D	Window	Lft	Sash	Poor	Metal	Green	0.2
679	D	Column	Ctr		Poor	Metal	Tan	0
680	D	Column	Ctr		Poor	Metal	Gray	0.3
681	D	Wall	U Rgt		Poor	Brick	Tan	0.1
682	D	Wall	L Rgt		Poor	Brick	Gray	2.1
683	D	Tank	Ctr		Poor	Concrete	Gray	1.6
684	D	OH Case	Rgt		Poor	Metal	Yellow	1.2
685	D	OH Case	Rgt		Poor	Metal	Gray	1
686	D	OH Door	Rgt		Poor	Wood	Yellow	1.3
687	D	OH Door	Rgt		Poor	Wood	Gray	0.1
688	B	Tank	Ctr		Intact	F. Glass	Blue	-0.3
689	B	Rf. Truss	Ctr		Poor	Metal	Tan	0.4
690	B	Lift Sup.	Ctr		Poor	Metal	Red	0
691	A	Railing	Rgt	Railing	Poor	Metal	Yellow	2.7
692	A	Door	Lft	Rgt casing	Poor	Metal	Gray	0
693	A	Door	Lft	U Ctr	Poor	Metal	Gray	0.1
1454	D	Rf. Truss	Ctr		Poor	Metal	Tan	0.1
1455	D	Pipe	Ctr		Poor	Metal	Yellow	2.3
1456	D	Pipe	Ctr		Poor	Metal	Red	-0.1
Interior Room 999 Post Calibration (9/05/18)								
1457								1.1
1458								1
1459								1.2
1460								0
Interior Room 047 Building 3								
694	A	Wall	U Ctr		Poor	Brick	Gray	0.5
695	A	Wall	L Ctr		Poor	Brick	Red	1.2
696	B	Wall	U Lft		Poor	Brick	Gray	0.3
697	B	Wall	L Lft		Poor	Brick	Blue	1.7
698	B	Wall	U Ctr		Poor	Brick	Gray	0.5
699	B	Wall	L Ctr		Poor	Brick	Red	1.3
700	B	Wall	U Rgt		Poor	Brick	Gray	0.4
701	B	Wall	L Rgt		Poor	Brick	Red	1.3
702	C	Wall	U Lft		Poor	Brick	Green	0.5
703	C	Wall	L Lft		Poor	Brick	Gray	1.5
704	C	Door	Lft	U Ctr	Poor	Wood	Gray	0.4
705	C	Door	Lft	Rgt casing	Poor	Wood	Gray	0.1
706	C	Window	Lft	Sash	Poor	Wood	Gray	0.3
707	C	Window	Lft	Rgt casing	Poor	Wood	Red	0.5
708	C	Wall	U Ctr		Poor	Con. Block	Gray	0.4
709	C	Wall	L Ctr		Poor	Con. Block	Red	0.1
710	C	Wall	U Rgt		Poor	Brick	Tan	0.3
711	C	Wall	L Rgt		Poor	Brick	Gray	1
712	C	Wall	U Rgt		Poor	Con. Block	Tan	0.4
713	C	Wall	L Rgt		Poor	Con. Block	Gray	1.2
714	C	Reducer	Rgt		Poor	Wood	Tan	0.4
715	C	Reducer	Rgt		Poor	Wood	Red	0.5
716	C	Column	Rgt		Poor	Brick	Tan	3.1
717	C	Column	Rgt		Poor	Brick	Red	2.8
718	D	Wall	U Lft		Poor	Wood	Tan	0
719	D	Wall	L Lft		Poor	Wood	Green	0.3
720	D	Column	Lft		Poor	Metal	Tan	2.6

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
721	D	Column	Lft		Poor	Metal	Green	2.6
722	C	Ceiling			Poor	Concrete	Green	-0.2
723	A	Ceiling			Poor	Concrete	White	0
724	D	Wall	U Ctr		Poor	Con. Block	Gray	0.4
725	D	Wall	L Ctr		Poor	Con. Block	Red	2.4
726	D	Wall	U Rgt		Poor	Brick	Gray	0.3
727	D	Wall	L Rgt		Poor	Brick	Red	3.5
728	D	Pipe	Rgt		Poor	Metal	Yellow	-0.3
729	D	Pipe	Rgt		Poor	Metal	Red	1.2
730	D	Railing	Rgt	Railing	Poor	Metal	Yellow	4.3
731	D	Fl. Stripe	Rgt		Poor	Concrete	Yellow	0.3
732	A	Door	Lft	Rgt casing	Poor	Metal	Tan	3.1
733	A	Door	Lft	Rgt casing	Poor	Metal	Red	2
734	A	Door	Lft	U Ctr	Poor	Metal	Gray	0.1
735	A	Curb	Ctr		Poor	Concrete	Yellow	0.1
736	B	Curb	Lft		Poor	Concrete	Yellow	0
737	B	Column	Ctr		Poor	Metal	Tan	1.7
738	B	Column	Ctr		Poor	Metal	Red	2.9
739	D	Column	Ctr		Poor	Metal	Gray	0.3
740	B	Column	Ctr		Poor	Metal	Yellow	1.6
741	B	Column	Rgt		Poor	Metal	Gray	0
742	B	Tank	Ctr		Poor	Concrete	Gray	1.1
743	B	Tank	Ctr		Poor	Metal	Gray	0
744	B	Ladder	Ctr		Poor	Metal	Yellow	2.4
745	B	Railing	Ctr	Railing	Poor	Metal	Yellow	2.7
746	B	Toe Kick	Ctr		Poor	Metal	Yellow	2.7
747	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
748	C	Floor			Poor	Concrete	Gray	-0.2
1376	A	Ceiling			Poor	Wood	Tan	0.1
1377	A	Horiz. Beam	Ctr		Poor	Metal	Tan	0.3
1378	D	Ceiling			Poor	Wood	Tan	-0.1
1379	D	Rf. Truss	Ctr		Poor	Metal	Tan	0.4
1380	C	Horiz. Beam	Ctr		Poor	Metal	Tan	-0.2
Building 7								
Interior Room 048 Building 7								
749	A	Wall	U Ctr		Poor	Brick	Gray	0.3
750	A	Wall	L Ctr		Poor	Brick	Red	2.1
751	A	Wall	U Rgt		Poor	Con. Block	Gray	0.6
752	A	Wall	L Rgt		Poor	Con. Block	Red	2
753	B	Wall	U Lft		Poor	Con. Block	Gray	0.3
754	B	Wall	L Lft		Poor	Con. Block	Red	1.8
755	B	Wall	U Rgt		Poor	Con. Block	Gray	0.6
756	B	Wall	L Rgt		Poor	Con. Block	Red	2
757	B	Railing	Ctr	Railing	Poor	Metal	Yellow	0
758	B	Post	Ctr		Poor	Metal	Yellow	>9.9
759	B	Railing	Ctr	Railing	Poor	Metal	Yellow	0.6
760	B	Pipe	Ctr		Poor	Metal	Red	-0.2
761	B	Railing	Lft	Railing	Poor	Metal	Yellow	3.1
762	A	Column	Ctr		Poor	Metal	Tan	0.3
763	A	Column	Ctr		Poor	Metal	Red	0.3
764	A	Conveyor	Ctr		Poor	Metal	Yellow	0.2
765	A	Column	Ctr		Poor	Metal	Stripe	0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)
766	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	2.1
767	A	Floor			Poor	Concrete	Red	0
768	A	Column	Ctr		Poor	Metal	Tan	0.3
769	A	Column	Ctr		Poor	Metal	Yellow	1
770	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
771	C	Floor			Poor	Concrete	Red	-0.1
772	C	Fl. Stripe	Ctr		Poor	Concrete	Blue	-0.1
773	B	Column	Ctr		Poor	Metal	Stripe	1.9
774	A	Transformer	Ctr		Poor	Metal	Green	1.4
775	A	Railing	Ctr	Railing	Poor	Metal	Yellow	-0.1
776	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.9
781	B	Door	Ctr	Rgt casing	Poor	Metal	Red	0
782	B	Door	Ctr	U Ctr	Poor	Metal	Red	-0.3
793	B	Railing	Ctr	Railing	Poor	Metal	Yellow	-0.2
1389	A	Ceiling			Poor	Metal	Tan	-0.2
1390	A	Rf. Truss	Ctr		Poor	Metal	Tan	0
1391	A	Horiz. Beam	Ctr		Poor	Metal	Tan	0.1
1392	B	Pipe	Ctr		Poor	Metal	Yellow	1.3
1393	B	Pipe	Ctr		Poor	Metal	Red	0.3
1394	C	Ceiling			Poor	Metal	Tan	0.1
1395	C	Horiz. Beam	Ctr		Poor	Metal	Tan	0.1
1396	C	Rf. Truss	Ctr		Poor	Metal	Tan	0.1
Interior Room 049 Building 7 - South Office - West								
777	D	Window	Ctr	Rgt casing	Intact	Wood	Tan	-0.2
778	A	Wall	L Ctr		Intact	Wood	White	0
779	D	Door	Ctr	Rgt casing	Intact	Wood	Tan	0
780	D	Door	Ctr	U Ctr	Intact	Wood	Tan	-0.1
Interior Room 050 Building 7 - Central Office - West								
783	C	Wall	L Ctr		Intact	Con. Block	White	0.2
Interior Room 051 Building 7 - Women's								
784	A	Floor			Poor	Concrete	Gray	0.1
Interior Room 052 Building 7 - Men's								
785	A	Wall	U Ctr		Poor	Con. Block	Gray	0.6
786	B	Wall	U Ctr		Poor	Con. Block	Gray	0.5
787	C	Wall	U Ctr		Poor	Con. Block	Gray	0.6
788	D	Wall	U Ctr		Poor	Con. Block	Gray	4.5
789	A	Wall	L Ctr		Poor	Con. Block	Red	4.5
790	D	Wall	L Ctr		Poor	Con. Block	Red	4.1
791	A	Stall	Ctr		Poor	Metal	Red	2.4
792	D	Door	Lft	Rgt casing	Poor	Metal	Red	2.6
Interior Room 999 Post Calibration (8/31/18)								
794								1.2
795								1
796								1.1
797								-0.2
Interior Room 999 Pre Calibration (9/04/18)								
798								1.1
799								1.2
800								1
801								0
Building 8								
Interior Room 053 Building 8								

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
802	A	Wall	U Ctr		Poor	Con. Block	Gray	1
803	A	Wall	L Ctr		Poor	Con. Block	Red	0.7
804	C	Wall	U Ctr		Poor	Con. Block	Gray	0.2
805	C	Wall	L Ctr		Poor	Con. Block	Red	1.2
806	C	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.4
807	C	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.2
808	C	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.8
809	C	Door	Rgt	U Ctr	Poor	Metal	Gray	0.2
810	C	Floor			Poor	Concrete	Yellow	-0.2
811	C	Heater Sup.	Ctr		Poor	Metal	Yellow	-0.2
812	D	Wall	U Lft		Poor	Con. Block	Gray	0.1
813	D	Wall	L Lft		Poor	Con. Block	Red	1.4
814	D	Door	Lft	Rgt casing	Poor	Metal	Gray	1.1
815	D	Door	Lft	U Ctr	Poor	Metal	Gray	1
816	D	Wall	U Rgt		Poor	Con. Block	Gray	0.2
817	D	Wall	L Rgt		Poor	Concrete	Red	1.3
818	D	Railing	Rgt	Railing	Poor	Metal	Yellow	-0.2
819	D	Pipe	Rgt		Poor	Metal	Red	1
820	A	Post	Lft		Poor	Metal	Yellow	1.7
821	A	Column	Ctr		Poor	Metal	Yellow	1.8
822	D	Curb	Rgt		Poor	Concrete	Yellow	0.4
823	A	Column	Lft		Poor	Metal	Gray	0.3
824	A	Column	Lft		Poor	Metal	Red	0.7
825	A	Column	Lft		Poor	Metal	Yellow	0.9
826	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
827	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.1
828	A	Floor			Poor	Concrete	Red	-0.1
829	D	Railing	Ctr	Railing	Poor	Metal	Yellow	-0.3
830	D	Column	Ctr	U column	Poor	Metal	Yellow	-0.2
831	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
832	D	Pipe	Ctr		Poor	Metal	Yellow	0.3
833	D	Toe Kick	Ctr		Poor	Metal	Yellow	0.2
834	C	Partition	Ctr		Poor	Con. Block	Gray	0.9
835	C	Partition	Ctr		Poor	Con. Block	Red	2.1
836	C	Door	Ctr	U Ctr	Poor	Metal	Gray	>9.9
837	C	Door	Ctr	Rgt casing	Poor	Metal	Red	0.4
1397	A	Ceiling			Poor	Metal	Tan	-0.2
1398	A	Rf. Truss	Ctr		Poor	Metal	Tan	0.2
1399	A	Horiz. Beam	Ctr		Poor	Metal	Tan	0.4
1400	D	Horiz. Beam	Ctr		Poor	Metal	Tan	0.3
1401	D	Rf. Truss	Ctr		Poor	Metal	Tan	0
1402	D	Ceiling			Poor	Metal	Tan	0
Interior Room 054 Building 8: NW Storage								
838	A	Wall	U Ctr		Poor	Con. Block	Green	0.7
839	A	Wall	L Ctr		Poor	Con. Block	Gray	0.7
840	C	Wall	U Ctr		Poor	Con. Block	Green	0.5
841	C	Wall	L Ctr		Poor	Con. Block	Gray	0.9
842	C	Column	Ctr		Poor	Metal	Green	-0.1
843	C	Column	Ctr		Poor	Metal	Gray	0.4
844	A	Door	Lft	Rgt casing	Poor	Metal	Gray	0.1
845	A	Door	Lft	U Ctr	Poor	Metal	Gray	-0.1
Interior Room 055 Building 8: NC Storage								

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
846	A	Wall	U Ctr		Poor	Con. Block	Gray	-0.2
847	A	Wall	L Ctr		Poor	Con. Block	Red	0
848	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.6
849	A	Door	Rgt	U Ctr	Poor	Metal	Gray	-0.1
850	B	Wall	U Ctr		Poor	Con. Block	Gray	-0.2
851	B	Wall	L Ctr		Poor	Con. Block	Red	0.3
852	C	Wall	U Ctr		Poor	Con. Block	Gray	0.3
853	C	Wall	L Ctr		Poor	Con. Block	Red	1
854	D	Wall	U Ctr		Poor	Con. Block	Gray	0
855	D	Wall	L Ctr		Poor	Con. Block	Red	0.4
856	C	Railing	Ctr	Railing	Poor	Metal	Yellow	3.4
857	C	Elec. Guard	Ctr		Poor	Metal	Red	-0.1
858	C	Elec. Guard	Ctr		Poor	Concrete	Gray	1.3
859	D	Floor			Poor	Concrete	Yellow	1.2
Interior Room 056 Building 8: NE Storage								
860	A	Wall	U Ctr		Poor	Con. Block	Gray	0
861	A	Wall	L Ctr		Poor	Con. Block	Red	1.4
862	B	Wall	U Ctr		Poor	Con. Block	Gray	0.5
863	B	Wall	L Ctr		Poor	Con. Block	Red	1.6
864	C	Wall	U Ctr		Poor	Con. Block	Gray	-0.1
865	C	Wall	L Ctr		Poor	Con. Block	Red	2
866	D	Wall	U Ctr		Poor	Con. Block	Gray	0.7
867	D	Wall	L Ctr		Poor	Con. Block	Red	1.7
868	C	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.5
869	C	Door	Ctr	U Ctr	Poor	Metal	Gray	0.1
870	C	Window	Ctr	Rgt casing	Poor	Metal	Gray	0.6
871	A	Door	Lft	Rgt casing	Poor	Metal	Gray	0.5
872	A	Door	Lft	U Ctr	Poor	Metal	Gray	0
873	A	Floor			Poor	Concrete	Gray	0.7
Interior Room 057 Building 8: NE Vestibule								
874	A	Wall	U Ctr		Poor	Con. Block	White	0.9
875	B	Wall	U Ctr		Poor	Con. Block	White	1
876	C	Wall	U Ctr		Poor	Con. Block	White	1
877	D	Wall	U Ctr		Poor	Con. Block	White	0.9
878	C	Door	Lft	Rgt casing	Poor	Metal	White	1.3
879	C	Door	Lft	U Ctr	Poor	Metal	White	0.9
Building 9								
Interior Room 058 Building 9								
880	A	Wall	U Ctr		Poor	Con. Block	Gray	0.1
881	A	Wall	L Ctr		Poor	Con. Block	Red	2
882	A	Cab. Door	Ctr		Poor	Wood	Gray	-0.3
883	A	Cab. Back	Ctr		Poor	Wood	Red	-0.3
884	A	Post	Ctr		Poor	Metal	Yellow	-0.3
885	A	Curb	Ctr		Poor	Concrete	Yellow	>9.9
886	A	Door	Rgt	Rgt casing	Poor	Metal	Red	0.3
887	A	Door	Rgt	U Ctr	Poor	Metal	Red	-0.2
888	A	Door	Lft	Rgt casing	Poor	Metal	Red	0.6
889	A	Door	Lft	U Ctr	Poor	Metal	Red	-0.2
890	A	Fl. Stripe	Ctr		Poor	Concrete	Blue	0.1
891	A	Fl. Stripe	Ctr		Poor	Concrete	Red	-0.1
892	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	-0.1
893	A	Column	Ctr		Poor	Metal	Gray	-0.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
894	A	Column	Ctr		Poor	Metal	Yellow	1.2
895	A	Column	Ctr		Poor	Metal	Red	0.8
896	C	Wall	U Ctr		Poor	Con. Block	Gray	0.7
897	C	Wall	L Ctr		Poor	Con. Block	Red	1.2
911	C	Post	Ctr		Poor	Metal	Yellow	-0.1
912	C	Railing	Ctr	Railing	Poor	Metal	Yellow	0.1
913	C	Fl. Stripe	Ctr		Poor	Concrete	Yellow	0.3
914	C	Floor			Poor	Concrete	Yellow	0.2
915	C	Floor			Poor	Concrete	Red	0.4
916	C	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.3
917	C	Door	Ctr	U Ctr	Poor	Wood	Red	1.8
918	D	Wall	U Lft		Poor	Con. Block	Gray	0.5
919	D	Wall	L Lft		Poor	Con. Block	Red	2.1
920	D	Column	Lft		Poor	Metal	Red	3.6
921	D	Wall	U Ctr		Poor	Con. Block	Gray	0.3
922	D	Wall	L Ctr		Poor	Concrete	Red	1.1
923	D	Door	Ctr	Rgt casing	Poor	Metal	Gray	1.2
924	D	Door	Ctr	U Ctr	Poor	Metal	Gray	0.9
925	D	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1
926	D	Curb	Rgt		Poor	Concrete	Yellow	0.5
927	D	Wall	U Rgt		Poor	Con. Block	Gray	0.1
928	D	Wall	L Rgt		Poor	Con. Block	Red	0.7
931	A	Floor			Poor	Concrete	Gray	0
1385	A	Ceiling			Poor	Metal	Tan	0
1386	A	Horiz. Beam	Ctr		Poor	Metal	Tan	0
1387	A	Rf. Truss	Ctr		Poor	Metal	Tan	-0.2
1388	D	Horiz. Beam	Ctr		Poor	Metal	Tan	0.4
Interior Room 059 Building 9: Restroom								
898	A	Wall	U Ctr		Poor	Con. Block	Gray	2.6
899	A	Wall	L Ctr		Poor	Con. Block	Red	3.6
900	B	Wall	U Ctr		Poor	Con. Block	Gray	2.8
901	B	Wall	L Ctr		Poor	Con. Block	Red	1.8
902	C	Wall	U Ctr		Poor	Con. Block	Gray	3.8
903	C	Wall	L Ctr		Poor	Con. Block	Red	3.4
904	D	Wall	U Ctr		Poor	Con. Block	Gray	3.4
905	D	Wall	L Ctr		Poor	Con. Block	Red	3.7
906	B	Door	Ctr	Rgt casing	Poor	Metal	Red	2.2
907	B	Door	Ctr	U Ctr	Poor	Wood	Red	1.7
908	A	Ceiling			Poor	Drywall	Tan	-0.2
909	A	Floor			Poor	Concrete	Gray	-0.1
910	B	Baseboard	Ctr		Poor	Concrete	Red	1.1
Interior Room 060 Building 9: South Closet								
929	A	Wall	U Ctr		Poor	Con. Block	Green	0.1
930	A	Wall	L Ctr		Poor	Con. Block	Gray	0.2
Interior Room 061 Building 9: E Office - South								
932	A	Wall	L Ctr		Intact	Drywall	White	-0.1
933	B	Wall	L Ctr		Intact	Drywall	White	-0.2
934	C	Wall	L Ctr		Intact	Drywall	White	0.1
935	D	Wall	L Ctr		Intact	Drywall	White	-0.2
936	A	Baseboard	Ctr		Intact	Wood	Varnish	-0.2
937	A	Door	Ctr	Rgt casing	Poor	Metal	Tan	0.3
938	A	Door	Ctr	U Ctr	Intact	Metal	Tan	0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
939	C	Door	Ctr	Rgt casing	Intact	Metal	White	0.3
940	C	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.2
941	C	Window	Lft	Rgt casing	Intact	Wood	Varnish	-0.1
Interior Room 062 Building 9: E Office - North								
942	A	Wall	L Ctr		Poor	Drywall	White	-0.1
943	B	Wall	L Ctr		Poor	Drywall	White	-0.1
944	C	Wall	L Ctr		Intact	Drywall	White	-0.2
945	D	Wall	L Ctr		Intact	Drywall	White	-0.2
946	A	Column	Ctr		Intact	Drywall	White	-0.2
947	A	Col. Base	Ctr		Intact	Wood	Blue	-0.1
948	B	Door	Lft	Rgt casing	Intact	Metal	Gray	-0.1
949	B	Door	Lft	U Ctr	Intact	Wood	Gray	-0.2
950	A	Door	Ctr	Rgt casing	Intact	Metal	Gray	-0.1
951	A	Door	Ctr	U Ctr	Intact	Wood	Gray	-0.2
952	C	Door	Rgt	Rgt casing	Intact	Metal	Gray	0.4
953	C	Door	Rgt	U Ctr	Intact	Metal	Gray	0
954	B	Window	Rgt	Rgt casing	Intact	Metal	White	0.2
Building 2								
Interior Room 063 Building 2								
955	A	Wall	U Ctr		Poor	Brick	Gray	3.2
956	A	Wall	L Ctr		Poor	Brick	Red	6.5
957	A	Curb	Ctr		Poor	Concrete	Yellow	4.7
958	A	Fl. Stripe	Ctr		Poor	Concrete	Yellow	0
959	A	Floor			Poor	Concrete	Red	0
960	A	Window	Ctr	Rgt casing	Poor	Wood	Gray	7.9
961	A	Wall	U Rgt		Poor	Wood	Gray	0.6
962	A	Wall	L Rgt		Poor	Wood	Red	1.3
963	A	Door	Lft	Rgt casing	Poor	Metal	Red	1.6
964	A	Door	Lft	U Ctr	Poor	Metal	Red	1.5
965	A	Door	Rgt	Rgt casing	Poor	Metal	Gray	0.2
966	A	Door	Rgt	U Ctr	Poor	Metal	Gray	0
967	A	Post	Rgt		Poor	Metal	Yellow	1.3
968	B	Railing	Lft	Railing	Poor	Metal	Yellow	-0.1
969	B	Post	Lft		Poor	Metal	Yellow	0
970	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.6
971	B	Stairs	Lft	Risers	Poor	Concrete	Gray	0.2
972	B	Stairs	Lft	Treads	Poor	Concrete	Gray	0
973	B	Stairs	Lft	Stringer	Poor	Concrete	Red	1.5
974	B	Stairs	Lft	Railing cap	Poor	Metal	Gray	4.1
975	B	Small Post	Lft		Poor	Metal	Yellow	3.8
976	A	Column	Ctr		Poor	Metal	Yellow	1.7
977	B	Column	Lft		Poor	Metal	Gray	3.6
978	B	Column	Lft		Poor	Metal	Red	6.8
979	B	Ceiling			Poor	Concrete	Gray	0.5
980	B	Wall	U Lft		Poor	Drywall	Gray	-0.3
981	B	Wall	L Lft		Poor	Drywall	Red	-0.5
982	B	Railing	Lft	Railing	Poor	Metal	Yellow	-0.3
983	B	Post	Lft		Poor	Metal	Yellow	-0.3
984	B	Door	Lft	Rgt casing	Poor	Metal	Red	-0.1
985	B	Door	Lft	U Ctr	Poor	Metal	Red	-0.2
986	B	Stairs	Ctr	Railing cap	Poor	Metal	Red	3.9
987	B	Stairs	Ctr	Risers	Poor	Concrete	Red	0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
988	B	Stairs	Ctr	Stringer	Poor	Concrete	Gray	1.4
989	B	Curb	Ctr		Poor	Concrete	Yellow	-0.1
990	B	Fl. Stripe	Ctr		Poor	Concrete	Yellow	1.7
991	B	Railing	Ctr	Railing	Poor	Metal	Yellow	-0.1
992	B	Post	Ctr		Poor	Metal	Yellow	-0.3
993	B	Wall	L Ctr		Poor	Drywall	Blue	-0.3
994	B	Window	Ctr	Rgt casing	Poor	Wood	White	-0.2
995	B	Stairs	Ctr	Railing cap	Poor	Metal	Red	1.6
996	B	Stairs	Ctr	Risers	Poor	Concrete	Red	0.3
997	B	Pipe	Rgt		Poor	Metal	Gray	4.4
998	B	Pipe	Rgt		Poor	Metal	Red	1.9
999	B	Wall	U Rgt		Poor	Brick	Gray	1
1000	B	Wall	L Rgt		Poor	Brick	Red	1.7
1001	B	Curb	Rgt		Poor	Concrete	Yellow	-0.2
1002	C	Wall	U Ctr		Poor	Brick	Gray	1
1003	C	Wall	L Ctr		Poor	Brick	Red	2.4
1004	C	Fl. Stripe	Ctr		Poor	Concrete	Blue	0.1
1005	C	Column	Ctr		Poor	Metal	Gray	1.6
1012	C	Railing	Lft	Railing	Poor	Metal	Yellow	0.9
1013	C	Post	Lft		Poor	Metal	Yellow	>9.9
Interior Room 999 Post Calibration (9/04/18)								
1014								0.9
1015								1.2
1016								1
1017								0
Interior Room 999 Pre Calibration (9/05/18)								
1018								0.9
1019								1.1
1020								0.8
1021								-0.1
1043	B	Column	Ctr		Poor	Concrete	Red	1.1
1044	B	Wall	U Ctr		Poor	Metal	White	-0.1
1045	B	Wall	L Ctr		Poor	Metal	Red	-0.2
1381	A	Ceiling			Poor	Wood	White	1.9
1382	A	Horiz. Beam	Ctr		Poor	Metal	White	2.5
1383	A	Pipe	Ctr		Poor	Metal	Red	0.2
1384	A	Rf. Truss	Ctr		Poor	Metal	White	2.1
Interior Room 999 Pre Calibration (9/06/18)								
1461								1.1
1462								1.1
1463								1
1464								0
1465	B	Pipe	Ctr		Poor	Metal	Red	-0.1
Interior Room 064 Building 2: W Offices - Central								
1006	C	Wall	L Ctr		Poor	Brick	Blue	1.2
1007	C	Ceiling			Intact	Concrete	White	0.5
1008	C	Floor			Intact	Concrete	Tan	-0.2
1009	D	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.1
1010	A	Door	Ctr	Rgt casing	Poor	Wood	Varnish	-0.1
1011	A	Door	Ctr	U Ctr	Poor	Metal	Brown	0
Interior Room 065 Building 2: West Offices - South								
1022	B	Wall	U Ctr		Poor	Con. Block	White	-0.1

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1023	B	Wall	L Ctr		Poor	Con. Block	Tan	1.7
1024	C	Wall	U Ctr		Poor	Drywall	White	-0.1
1025	C	Wall	L Ctr		Poor	Drywall	Tan	-0.1
1026	C	Door	Ctr	Rgt casing	Poor	Wood	Tan	-0.2
1027	C	Door	Ctr	U Ctr	Poor	Wood	Tan	0.1
1028	C	Ceiling			Poor	Concrete	White	0.2
Interior Room 066 Building 2: West Offices - North								
1029	A	Wall	U Ctr		Poor	Drywall	White	-0.3
1030	A	Wall	L Ctr		Poor	Drywall	Green	0
1031	B	Wall	U Ctr		Poor	Con. Block	White	0.3
1032	B	Wall	L Ctr		Poor	Con. Block	Green	1.3
1033	C	Wall	U Ctr		Poor	Con. Block	White	-0.1
1034	C	Wall	L Ctr		Poor	Con. Block	Green	1.4
1035	D	Wall	U Ctr		Poor	Con. Block	White	0.2
1036	D	Wall	L Ctr		Poor	Con. Block	Green	1.2
1037	D	Ceiling			Poor	Concrete	White	-0.2
1038	D	Window	Ctr	Rgt casing	Poor	Metal	Green	0.6
1039	D	Door	Ctr	Rgt casing	Poor	Metal	Green	0
1040	D	Door	Ctr	U Ctr	Poor	Metal	Green	0
1041	B	Pipe	Ctr		Poor	Metal	White	0.3
1042	B	Pipe	Ctr		Poor	Metal	Green	1
Building 2A								
Interior Room 067 Building 2A: NW Offices - West								
1046	A	Wall	U Ctr		Intact	Drywall	White	-0.3
1047	B	Wall	U Ctr		Intact	Drywall	White	-0.1
1048	C	Wall	U Ctr		Intact	Drywall	White	-0.1
1049	D	Wall	L Ctr		Intact	Drywall	White	0
1050	C	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.1
1051	B	Wall	L Ctr		Intact	Drywall	Gray	-0.1
1052	C	Door	Ctr	Rgt casing	Intact	Wood	Varnish	-0.3
1053	C	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.2
1054	D	Wall	U Ctr		Poor	Brick	Gray	0.1
1055	D	Rf. Truss	Ctr		Poor	Metal	Tan	0.3
1056	D	Ceiling			Poor	Wood	Tan	0.1
1057	B	Door	Ctr	Rgt casing	Intact	Metal	White	0.1
1058	B	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.3
1059	B	Chair rail	Ctr		Intact	Wood	Varnish	-0.2
1060	D	Pipe	Ctr		Poor	Metal	Tan	-0.1
Interior Room 068 Building 2A: North Stairs								
1061	A	Wall	U Ctr		Intact	Drywall	White	-0.3
1062	B	Wall	U Ctr		Intact	Drywall	White	-0.1
1063	C	Wall	U Ctr		Intact	Drywall	White	-0.2
1064	D	Wall	U Ctr		Intact	Drywall	White	-0.1
1065	A	Wall	L Ctr		Poor	Wood	Red	-0.2
1066	B	Wall	L Ctr		Poor	Brick	Red	1.5
1067	A	Stairs	Ctr	Railing cap	Poor	Metal	Red	3.1
Interior Room 069 Building 2A: NW Offices - South								
1068	A	Wall	L Ctr		Intact	Drywall	White	-0.1
1069	B	Wall	L Ctr		Intact	Drywall	White	0
1070	C	Wall	L Ctr		Intact	Drywall	White	-0.2
1071	D	Wall	L Ctr		Intact	Drywall	White	-0.2
1072	B	Wall	U Ctr		Poor	Brick	Gray	0.5

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1073	B	Rf. Truss	Ctr		Poor	Metal	Tan	-0.1
1074	B	Ceiling			Poor	Wood	Tan	-0.2
1075	B	Window	Ctr	Sash	Poor	Wood	Gray	0.3
1076	C	Door	Ctr	Rgt casing	Intact	Wood	Varnish	0.1
1077	C	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.2
Interior Room 070 Building 2A: South Stairs								
1078	A	Stairs	Ctr	Railing cap	Poor	Metal	Red	2
1079	B	Wall	L Ctr		Poor	Wood	Red	0.5
1080	D	Wall	U Ctr		Poor	Drywall	Yellow	0
Interior Room 071 Building 2A: South Restrooms								
1081	A	Floor			Poor	Concrete	Gray	-0.1
1082	A	Door	Ctr	Rgt casing	Poor	Metal	Gray	0
1083	A	Door	Ctr	U Ctr	Poor	Metal	Gray	-0.1
1084	A	Stall	Ctr		Intact	Metal	Gray	-0.1
1085	B	Rf. Truss	Ctr		Poor	Metal	Tan	0.6
1086	B	Ceiling			Poor	Wood	Tan	0
1087	C	Door	Ctr	Rgt casing	Poor	Wood	Gray	0
Interior Room 072 Building 2A: SW Offices - North								
1088	A	Wall	L Ctr		Poor	Concrete	White	-0.1
1089	B	Wall	L Ctr		Poor	Concrete	White	-0.1
1090	C	Wall	L Ctr		Poor	Concrete	White	0.2
1091	D	Wall	L Ctr		Poor	Concrete	White	0
1092	C	Rf. Truss	Ctr		Poor	Metal	White	0
1093	C	Ceiling			Poor	Wood	White	0.4
1094	A	Floor			Poor	Concrete	Gray	0.2
Interior Room 073 Building 2A: SW Offices - North Central								
1095	A	Wall	L Ctr		Intact	Drywall	White	0
1096	B	Wall	L Ctr		Intact	Drywall	White	-0.2
1097	C	Wall	L Ctr		Intact	Drywall	White	-0.1
1098	D	Wall	L Ctr		Intact	Drywall	White	-0.1
1099	D	Baseboard	Rgt		Intact	Wood	Varnish	-0.2
1100	A	Door	Lft	Rgt casing	Intact	Wood	Tan	-0.1
1101	A	Door	Lft	U Ctr	Intact	Metal	Tan	0.1
Interior Room 074 Building 2A: SW Offices - Stairs								
1102	A	Wall	U Ctr		Poor	Plaster	White	2.1
1103	B	Wall	U Ctr		Poor	Plaster	White	2.3
1104	C	Wall	U Ctr		Poor	Plaster	White	2
1105	D	Wall	U Ctr		Poor	Plaster	White	2.7
1106	A	Wall	L Ctr		Poor	Brick	White	1.1
1107	B	Wall	L Ctr		Poor	Brick	White	1.2
1108	A	Stairs	Ctr	Railing cap	Poor	Metal	Gray	2.4
1109	A	Floor			Poor	Concrete	Gray	0.2
1110	A	Door	Lft	Rgt casing	Poor	Wood	White	-0.2
1111	A	Door	Lft	U Ctr	Poor	Metal	White	-0.1
1124	D	Window	Ctr	Rgt casing	Poor	Wood	White	1.4
1125	D	Ceiling			Poor	Wood	White	-0.1
1126	D	Rf. Truss	Ctr		Poor	Metal	White	-0.1
Interior Room 075 Building 2A: SW Offices - South								
1112	A	Wall	L Ctr		Intact	Drywall	White	-0.1
1113	B	Wall	L Ctr		Intact	Drywall	White	-0.2
1114	C	Wall	L Ctr		Intact	Drywall	White	0.1
1115	D	Wall	L Ctr		Intact	Drywall	White	0

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1116	A	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.1
1117	B	Baseboard	Ctr		Intact	Wood	Varnish	0
1118	D	Closet	Rgt	Wall	Poor	Plaster	Green	0.4
1119	D	Closet BB	Rgt		Poor	Wood	Green	0.4
1120	B	Door	Ctr	Rgt casing	Intact	Wood	Varnish	-0.2
1121	B	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.1
1122	D	Door	Lft	Rgt casing	Intact	Wood	White	0
1123	D	Door	Lft	U Ctr	Intact	Wood	White	-0.1
Interior Room 076 Building 2A: SW Storage - South								
1127	A	Wall	U Ctr		Intact	Brick	Green	0.4
1128	B	Wall	U Ctr		Intact	Brick	Green	0.5
1129	C	Wall	U Ctr		Intact	Drywall	Green	0
1130	D	Wall	U Ctr		Intact	Drywall	Green	-0.1
1131	B	Wall	L Ctr		Intact	Concrete	Green	0.2
1132	A	Horiz. Beam	Ctr		Poor	Metal	Green	2.6
1133	A	Ceiling			Poor	Wood	Green	2.3
1134	B	Door	Lft	Rgt casing	Poor	Wood	Green	0.2
1135	B	Door	Lft	U Ctr	Intact	Wood	Varnish	-0.1
Interior Room 077 Building 2A: SW Storage - North								
1136	A	Wall	U Ctr		Poor	Brick	Silver	0
1137	B	Wall	U Ctr		Poor	Brick	Silver	0.2
1138	D	Wall	U Ctr		Poor	Brick	Silver	0.1
1139	A	Horiz. Beam	Ctr		Poor	Metal	Tan	3.7
1140	A	Horiz. Beam	Ctr		Poor	Metal	Yellow	5
1141	A	Ceiling			Poor	Wood	Tan	2.3
1142	D	Door	Lft	Rgt casing	Poor	Metal	White	0
1143	D	Door	Lft	U Ctr	Poor	Metal	Gray	0.3
Interior Room 078 Building 2A: East Offices - S. Storage								
1144	A	Wall	U Ctr		Poor	Brick	Tan	0.1
1145	A	Wall	L Ctr		Poor	Brick	Blue	0
1146	A	Wall	L Ctr		Poor	Brick	Gray	0.2
1147	B	Wall	U Ctr		Poor	Brick	Tan	0.3
1148	B	Wall	L Ctr		Poor	Brick	Blue	0.4
1149	B	Wall	L Ctr		Poor	Brick	Gray	0
1150	C	Horiz. Beam	Ctr		Poor	Metal	Tan	2
1151	C	Ceiling			Poor	Wood	Tan	2.1
1152	C	Pipe	Ctr		Poor	Metal	Tan	0.3
Interior Room 079 Building 2A: East Offices - Lab								
1153	A	Wall	U Ctr		Intact	Wood	White	-0.3
1154	A	Wall	L Ctr		Intact	Wood	Gray	-0.3
1155	B	Wall	U Ctr		Poor	Brick	White	0.4
1156	B	Wall	L Ctr		Poor	Brick	Gray	0.6
1157	C	Wall	U Ctr		Intact	Wood	White	-0.3
1158	C	Wall	L Ctr		Intact	Wood	Gray	-0.2
1159	D	Wall	U Ctr		Intact	Wood	White	-0.2
1160	D	Wall	L Ctr		Intact	Wood	Gray	-0.2
1161	A	Ceiling			Poor	Concrete	Gray	0
1162	C	Door	Ctr	Rgt casing	Poor	Wood	White	-0.2
1163	C	Door	Ctr	U Ctr	Poor	Metal	White	0
1164	C	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.1
Interior Room 080 Building 2A: East Offices - North of Lab								
1165	A	Wall	U Ctr		Intact	Wood	White	-0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1166	B	Wall	U Ctr		Poor	Brick	White	0.1
1167	C	Wall	U Ctr		Poor	Brick	White	0.2
1168	D	Wall	U Ctr		Intact	Drywall	White	-0.1
1169	A	Floor			Intact	Concrete	Gray	0
1170	A	Rf. Truss	Ctr		Intact	Metal	White	-0.1
1171	C	Ceiling			Intact	Drywall	White	-0.1
1172	C	Stairs	Lft	Railing cap	Poor	Metal	White	0.1
1173	C	Horiz. Beam	Ctr		Poor	Metal	White	0.4
1174	C	Wall	L Ctr		Poor	Brick	White	0
1175	C	Stairs	Ctr	Risers	Poor	Wood	Gray	-0.1
1176	C	Stairs	Ctr	Treads	Poor	Wood	Gray	-0.1
1177	B	Door	Ctr	Rgt casing	Intact	Metal	White	-0.1
1178	B	Door	Ctr	U Ctr	Intact	Metal	White	-0.2
1179	B	Window	Ctr	Rgt casing	Poor	Wood	White	0.3
Interior Room 081 Building 2A: East Offices - East								
1180	A	Wall	U Ctr		Intact	Wood	White	-0.2
1181	B	Wall	U Ctr		Intact	Wood	White	-0.2
1182	C	Wall	U Ctr		Intact	Drywall	White	-0.1
1183	D	Wall	U Ctr		Intact	Drywall	White	-0.2
1184	A	Baseboard	Ctr		Intact	Wood	White	-0.1
1185	A	Window	Ctr	Rgt casing	Intact	Wood	White	-0.2
1186	A	Door	Rgt	Rgt casing	Intact	Wood	White	-0.2
1187	A	Door	Rgt	U Ctr	Intact	Wood	Varnish	-0.2
Interior Room 082 Building 2A: East Offices - Stairs								
1188	B	Wall	L Ctr		Intact	Wood	Red	0.3
1189	A	Stairs	Ctr	Risers	Poor	Wood	Gray	0
1190	A	Stairs	Ctr	Treads	Poor	Wood	Gray	-0.1
1191	B	Stairs	Ctr	Railing cap	Poor	Metal	Tan	0.5
Building 2B								
Interior Room 083 Building 2B								
1192	A	Wall	U Ctr		Poor	Brick	Blue	0
1193	A	Wall	L Ctr		Poor	Brick	Gray	0.3
1194	A	Wall	L Ctr		Poor	Brick	Red	1.5
1195	B	Wall	U Ctr		Poor	Brick	Gray	0
1196	B	Wall	L Ctr		Poor	Brick	Red	1.5
1197	C	Wall	U Ctr		Poor	Brick	Gray	0.1
1198	C	Wall	L Ctr		Poor	Brick	Red	1.3
1199	D	Wall	U Ctr		Poor	Brick	Gray	0
1200	D	Wall	L Ctr		Poor	Brick	Red	1.4
1201	B	Ceiling			Poor	Wood	Tan	0.1
1202	C	Post	Ctr		Poor	Metal	Yellow	0.4
1203	A	Column	Ctr		Poor	Metal	Gray	0
1204	A	Column	Ctr		Poor	Metal	Yellow	9.6
1205	A	Post	Ctr		Poor	Metal	Gray	-0.1
1206	A	Horiz. Beam	Ctr		Poor	Metal	Gray	0.3
1207	A	Wall	U Rgt		Poor	Con. Block	White	0.2
1208	A	Wall	L Rgt		Poor	Brick	Gray	1.8
1209	C	Vert. Beam	Rgt		Poor	Wood	Gray	7.9
1210	C	Horiz. Beam	Rgt		Poor	Metal	Red	-0.2
1217	A	Floor			Poor	Concrete	Gray	-0.1
1218	B	Wall	U Lft		Intact	Wood	Gray	-0.3
1219	B	Wall	L Lft		Intact	Wood	Red	-0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1220	B	Pipe	Ctr		Poor	Metal	Red	-0.1
1221	C	Door	Lft	Rgt casing	Poor	Metal	Gray	-0.1
1222	C	Door	Lft	U Ctr	Poor	Metal	Gray	-0.2
1223	C	Door	Lft	Header	Poor	Metal	Tan	-0.1
1224	C	Partition	Ctr		Poor	Wood	Gray	-0.2
1225	C	Shelf	Ctr		Poor	Wood	Gray	-0.2
Interior Room 084 Building 2B - Vault								
1211	A	Wall	L Ctr		Poor	Concrete	White	-0.2
1212	B	Wall	L Ctr		Poor	Concrete	White	0
1213	C	Wall	L Ctr		Poor	Concrete	White	-0.1
1214	D	Wall	L Ctr		Poor	Concrete	White	-0.1
1215	A	Ceiling			Poor	Concrete	White	-0.1
1216	A	Door	Ctr	Rgt jamb	Poor	Metal	Tan	>9.9
Building 2C								
Interior Room 085 Building 2C								
1226	A	Wall	L Ctr		Poor	Drywall	White	-0.7
1227	B	Wall	L Ctr		Poor	Con. Block	White	0
1228	C	Wall	L Ctr		Poor	Brick	White	0
1229	D	Wall	L Ctr		Poor	Con. Block	White	-0.2
1230	D	Ladder	Ctr		Poor	Metal	Yellow	1.3
1231	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	1
1232	B	Door	Ctr	U Ctr	Poor	Metal	Gray	0
1233	A	Door	Ctr	Rgt casing	Poor	Metal	Brown	0
1234	A	Door	Ctr	U Ctr	Poor	Wood	Varnish	-0.3
1235	B	Window	Ctr	Rgt casing	Poor	Metal	Gray	1.2
1236	A	Floor			Poor	Concrete	Gray	-0.2
1237	B	Elec. Panel	Ctr		Poor	Metal	Gray	0.2
1238	C	Door	Ctr	U Ctr	Poor	Metal	Gray	0.6
1239	D	Closet	Lft	Wall	Poor	Brick	White	0.5
1240	D	Pipe	Lft		Poor	Metal	Red	0.3
1241	D	Post	Lft		Poor	Metal	Yellow	0.1
Interior Room 086 Building 2C - Second Level								
1242	C	Ceiling			Poor	Concrete	Tan	0.2
1243	A	Rf. Truss	Ctr		Poor	Metal	Tan	1
1244	A	Ceiling			Poor	Wood	Tan	1
1245	D	Wall	L Rgt		Poor	Brick	Tan	0.6
Building 1B								
Interior Room 087 Building 1B - Offices								
1246	A	Wall	U Lft		Poor	Concrete	White	-0.2
1247	A	Wall	L Lft		Intact	Wood	Varnish	0.1
1248	A	Wall	U Rgt		Intact	Con. Block	White	-0.2
1249	A	Wall	L Rgt		Intact	Drywall	White	0
1250	A	Door	Ctr	Rgt casing	Intact	Wood	Tan	-0.2
1251	A	Door	Ctr	U Ctr	Intact	Metal	Tan	-0.3
1252	A	Baseboard	Ctr		Intact	Wood	Varnish	-0.1
1253	B	Wall	U Lft		Intact	Con. Block	White	-0.1
1254	C	Wall	U Ctr		Intact	Con. Block	White	0.2
1255	C	Door	Ctr	Rgt casing	Intact	Metal	Tan	0
1256	C	Door	Ctr	U Ctr	Intact	Metal	Tan	0.2
1257	D	Wall	U Ctr		Intact	Con. Block	White	0
1258	D	Wall	L Ctr		Intact	Wood	Varnish	-0.1
1259	D	Chair rail	Ctr		Intact	Wood	Brown	-0.2

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1260	D	Column	Ctr		Intact	Metal	White	0.1
1261	C	Rf. Truss	Ctr		Intact	Metal	Black	-0.1
1262	D	Window	Ctr	Rgt casing	Intact	Metal	White	0
1263	C	Door	Rgt	Rgt casing	Intact	Metal	Tan	0.3
1264	C	Door	Rgt	U Ctr	Intact	Metal	Tan	-0.1
1265	A	Door	Rgt	Rgt casing	Intact	Wood	Varnish	-0.1
1266	A	Door	Rgt	U Ctr	Intact	Wood	Varnish	0
1267	B	Wall	L Ctr		Intact	Drywall	White	-0.3
1291	C	Door	Lft	Rgt casing	Intact	Metal	Tan	-0.1
1292	C	Door	Lft	U Ctr	Intact	Metal	Tan	-0.2
Interior Room 088 Building 1B - Men's								
1268	A	Wall	U Ctr		Poor	Con. Block	White	-0.2
1269	B	Wall	U Ctr		Poor	Con. Block	White	-0.1
1270	C	Wall	U Ctr		Poor	Con. Block	White	0.1
1271	D	Wall	U Ctr		Poor	Con. Block	White	-0.1
1272	D	Stall	Ctr		Intact	Metal	Tan	0
1273	A	Door	Rgt	Rgt casing	Poor	Metal	Tan	0
1274	A	Door	Rgt	U Ctr	Poor	Metal	Tan	0
Interior Room 089 Building 1B - Women's								
1275	A	Wall	U Ctr		Poor	Con. Block	White	0.4
1276	B	Wall	U Ctr		Poor	Con. Block	White	0.2
1277	C	Wall	U Ctr		Poor	Con. Block	White	0
1278	D	Wall	U Ctr		Poor	Con. Block	White	0.1
1279	B	Door	Ctr	Rgt casing	Intact	Metal	Tan	0.2
1280	B	Door	Ctr	U Ctr	Intact	Metal	Tan	-0.2
Building 2D								
Interior Room 090 Building 2D								
1281	A	Wall	U Ctr		Poor	Con. Block	White	-0.1
1282	B	Wall	U Lft		Poor	Con. Block	White	0
1283	B	Wall	L Rgt		Intact	Drywall	White	-0.3
1284	C	Wall	U Ctr		Poor	Con. Block	White	0
1285	D	Wall	U Ctr		Poor	Con. Block	White	0.2
1286	C	Door	Ctr	Rgt casing	Poor	Metal	Gray	-0.2
1287	C	Door	Ctr	U Ctr	Poor	Wood	White	-0.6
1288	B	Door	Lft	Rgt casing	Poor	Metal	Gray	0.3
1289	B	Door	Lft	U Ctr	Poor	Metal	Gray	0
1290	B	Window	Lft	Rgt casing	Poor	Metal	Gray	0.4
Building 1								
Interior Room 091 Building 1 - Entry								
1293	A	Wall	U Ctr		Poor	Con. Block	White	0.1
1294	A	Wall	L Ctr		Poor	Brick	White	1.6
1295	B	Wall	U Ctr		Intact	Drywall	White	-0.3
1296	C	Wall	U Ctr		Intact	Con. Block	White	1.5
1297	D	Wall	U Ctr		Poor	Con. Block	White	1.1
1303	B	Door	Ctr	Rgt casing	Poor	Metal	Tan	-0.2
1304	B	Door	Ctr	U Ctr	Poor	Metal	Tan	0
Interior Room 092 Building 1 - Entry - Second Level								
1298	A	Ceiling			Poor	Wood	Tan	2.6
1299	A	Rf. Truss	Ctr		Poor	Metal	Tan	1.5
1300	A	Wall	U Ctr		Poor	Con. Block	Green	1.2
1301	A	Wall	L Ctr		Poor	Brick	Green	1.6
1302	A	Wall	L Ctr		Poor	Brick	Tan	1.5

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
Interior Room 093 Building 1 - East								
1305	A	Wall	U Ctr		Intact	Drywall	White	-0.2
1306	B	Wall	U Lft		Intact	Wood	White	-0.1
1307	C	Wall	U Ctr		Intact	Con. Block	White	0.4
1308	D	Wall	U Ctr		Intact	Drywall	White	-0.3
1309	D	Window	Ctr	Rgt casing	Poor	Wood	Varnish	-0.1
1310	A	Wall	L Ctr		Poor	Con. Block	Tan	1.8
1311	A	Window	Ctr	Rgt casing	Poor	Wood	Tan	0
1312	A	Door	Rgt	Rgt casing	Poor	Metal	Tan	-0.1
1313	A	Door	Rgt	U Ctr	Poor	Metal	Tan	-0.2
1314	A	Wall	L Rgt		Poor	Con. Block	White	0.1
1315	B	Door	Lft	Rgt casing	Poor	Metal	White	0.3
1316	B	Door	Lft	U Ctr	Poor	Wood	Varnish	-0.3
1317	A	Column	Ctr		Intact	Drywall	White	-0.5
1318	B	Wall	L Ctr		Intact	Wood	Varnish	-0.2
1319	B	Window	Ctr	Sill	Poor	Con. Block	Tan	0
1320	B	Baseboard	Ctr		Intact	Wood	Varnish	-0.1
1321	B	Column	Rgt		Intact	Wood	Red	-0.1
1322	B	Vault Door	Rgt		Poor	Metal	White	>9.9
1329	C	Wall	L Lft		Intact	Drywall	Green	-0.2
1330	C	Column	Ctr		Intact	Drywall	White	-0.3
1331	D	Door	Ctr	Rgt casing	Intact	Wood	Varnish	0
1332	D	Door	Ctr	U Ctr	Intact	Wood	Varnish	0.2
1333	C	Door	Lft	Rgt casing	Poor	Metal	White	0.1
1334	C	Door	Lft	U Ctr	Poor	Metal	White	-0.1
1335	C	Wall	L Rgt		Intact	Con. Block	White	0
Interior Room 094 Building 1 - Vault								
1323	A	Wall	L Ctr		Intact	Con. Block	Green	-0.2
1324	B	Wall	L Ctr		Intact	Con. Block	Green	-0.1
1325	C	Wall	L Ctr		Intact	Con. Block	Green	-0.1
1326	D	Wall	L Ctr		Intact	Con. Block	Green	-0.1
1327	A	Horiz. Beam	Ctr		Poor	Metal	Gray	0.3
1328	B	Door	Ctr	Rgt casing	Poor	Metal	Gray	0.2
Interior Room 095 Building 1 - West - Play								
1336	A	Wall	U Ctr		Intact	Drywall	Blue	-0.3
1337	B	Wall	U Ctr		Intact	Drywall	Blue	-0.4
1338	C	Wall	U Ctr		Intact	Drywall	Blue	-0.2
1339	D	Wall	U Ctr		Intact	Drywall	W. Paper	0
1340	D	Door	Ctr	Rgt casing	Intact	Wood	Varnish	-0.4
1341	D	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.1
1342	B	Door	Ctr	Rgt casing	Intact	Metal	White	0.4
1343	B	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.1
1344	D	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.3
Interior Room 096 Building 1 - West - Offices								
1345	A	Wall	U Ctr		Intact	Drywall	White	-0.3
1346	B	Wall	U Ctr		Intact	Drywall	White	-0.1
1347	C	Wall	U Ctr		Intact	Drywall	W. Paper	-0.3
1348	D	Wall	U Ctr		Intact	Drywall	White	-0.1
1349	C	Ceiling			Poor	Concrete	Tan	-0.1
1350	D	Door	Ctr	Rgt casing	Intact	Wood	Varnish	-0.2
1351	D	Door	Ctr	U Ctr	Intact	Wood	Varnish	-0.2
1352	A	Window	Lft	Rgt casing	Intact	Wood	Tan	0

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm2)
1353	A	Ceiling			Poor	Concrete	White	0.3
1354	C	Chair rail	Ctr		Intact	Wood	Varnish	-0.1
1355	B	Wall	L Rgt		Intact	Concrete	White	-0.1
1356	B	Shelf	Rgt		Poor	Wood	Tan	-0.1
1357	C	Door	Lft	Rgt casing	Poor	Metal	Tan	0.6
1358	C	Door	Lft	U Ctr	Intact	Wood	Tan	-0.2
1359	C	Pipe	Lft		Intact	Metal	White	0.2
Interior Room 097 Building 1 - West - Hallway								
1360	A	Wall	U Ctr		Intact	Drywall	Tan	-0.1
1361	B	Wall	U Ctr		Intact	Drywall	Tan	-0.3
1362	C	Wall	U Ctr		Intact	Drywall	Tan	-0.1
1363	D	Wall	U Ctr		Intact	Drywall	Tan	0
1364	A	Wall	L Ctr		Intact	Wood	Varnish	0
1365	B	Wall	L Ctr		Intact	Wood	Varnish	0
1366	C	Wall	L Ctr		Intact	Wood	Varnish	0.1
1367	D	Wall	L Ctr		Intact	Wood	Varnish	-0.1
1368	D	Ceiling			Intact	Concrete	White	-0.1
1369	A	Door	Ctr	Rgt casing	Intact	Metal	Tan	0.2
1370	A	Door	Ctr	U Ctr	Intact	Metal	Tan	-0.1
1371	B	Pipe	Lft		Intact	Metal	White	-0.1
Interior Room 999 Mid-Day Calibration (9/05/18)								
1372								1.1
1373								1.2
1374								1.1
1375								-0.1
Building 1A (Out Building)								
Interior Room 098 Building 1A								
1717	A	Wall	L Ctr		Intact	Drywall	White	-0.2
1718	B	Wall	L Ctr		Intact	Drywall	White	0
1719	C	Wall	L Ctr		Intact	Drywall	White	-0.1
1720	D	Wall	L Ctr		Intact	Drywall	White	-0.1
1721	D	Door	Lft	Rgt casing	Intact	Wood	Varnish	-0.1
1722	D	Door	Lft	U Ctr	Intact	Metal	White	-0.1
1723	D	Door	Lft	Lft jamb	Intact	Wood	Black	-0.2
1724	D	Window	Ctr	Sill	Intact	Wood	Black	-0.2
1725	C	Ceiling			Intact	Drywall	White	-0.1
1726	D	Crown Mldg	Ctr		Intact	Wood	Varnish	0
1727	B	Cab. Door	Ctr		Intact	Wood	Varnish	-0.2
1728	B	Cab. Back	Ctr		Intact	Wood	Varnish	-0.2
Guard Shack (Out Building)								
Interior Room 099 Guard Shack								
1732	A	Wall	L Ctr		Intact	Wood	Varnish	-0.3
1733	B	Wall	L Ctr		Intact	Wood	Varnish	-0.3
1734	C	Wall	L Ctr		Intact	Wood	Varnish	-0.3
1735	D	Wall	L Ctr		Intact	Wood	Varnish	-0.4
Building 11B (Out Building)								
Interior Room 100 Building 11B - South								
1740	A	Pipe	Ctr		Poor	Metal	Yellow	1.8
1741	C	Valve	Ctr		Poor	Metal	Green	1.4
1742	C	Rf. Truss	Ctr		Poor	Metal	Gray	0.3
1747	A	Pipe	Ctr		Intact	Metal	Gray	-0.1
Interior Room 101 Building 11B - North								

* Wall A is the south side of the building. Walls B/C/D are determined clockwise from Wall A.

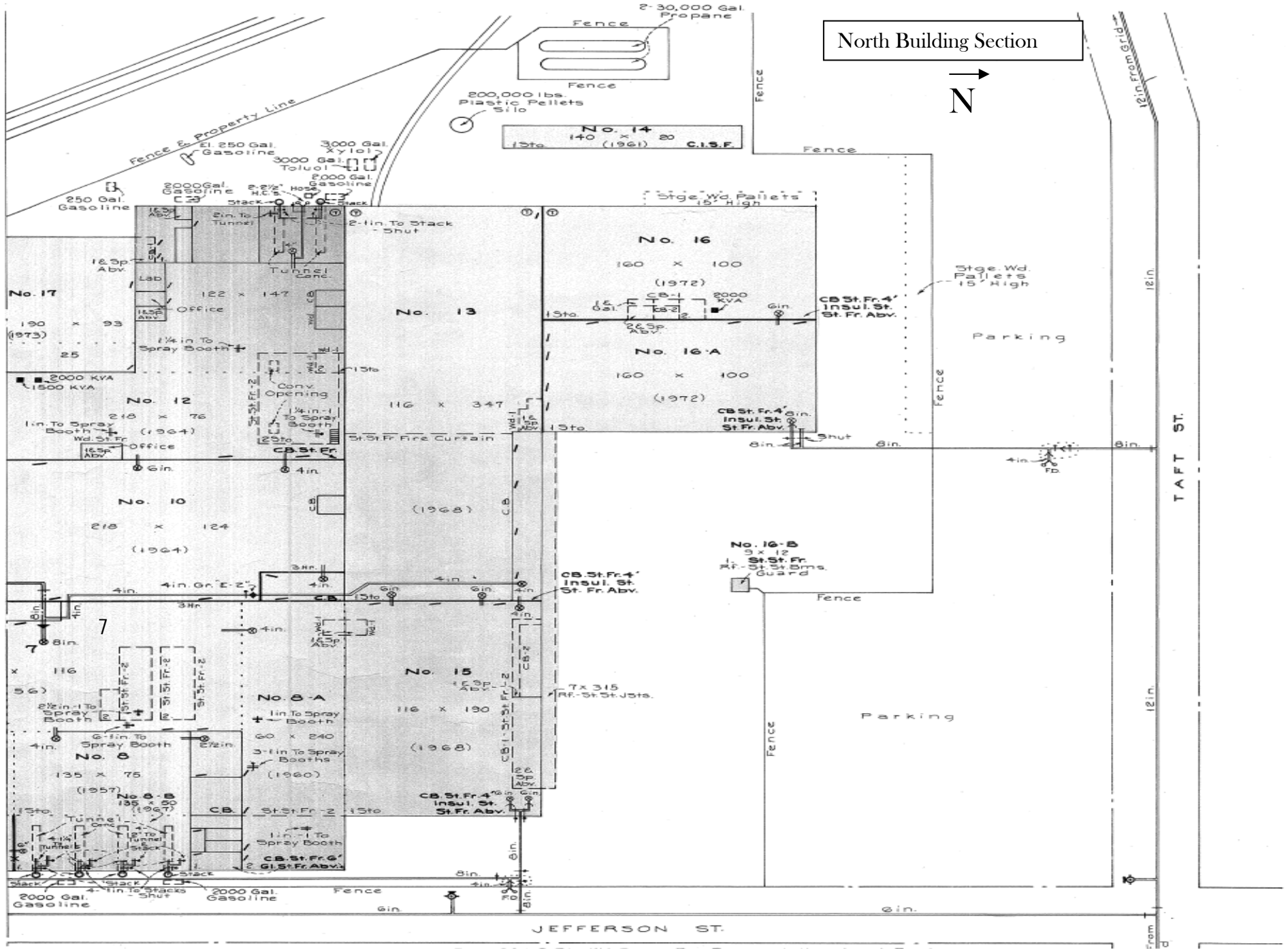
Reading No	Wall	Structure	Location	Member	Paint Condition	Substrate	Color	Lead (mg/cm ²)
1743	C	Pipe	Ctr		Poor	Metal	Yellow	1.4
1744	C	Valve	Ctr		Poor	Metal	Red	1.6
1745	A	Rf. Truss	Ctr		Poor	Metal	Gray	0
1746	C	Pipe	Ctr		Intact	Metal	Green	1.2
Building 14 (Out Building)								
Interior Room 102 Building 14								
1750	C	Wall	U Ctr		Poor	Wood	Gray	0.5
1751	C	Wall	L Ctr		Poor	Wood	Tan	-0.2
1752	D	Vert. Beam	Ctr		Poor	Metal	Gray	-0.1
1753	B	Horiz. Beam	Ctr		Poor	Metal	Gray	0
1754	B	Rf. Truss	Ctr		Poor	Metal	Gray	-0.1
Interior Room 103 Building 14A								
1755	A	Wall	U Ctr		Poor	Wood	Gray	0.3
1756	A	Wall	L Ctr		Poor	Wood	Tan	0
1757	B	OH Door	Lft		Poor	Wood	Gray	-0.3
1758	B	OH Door	Rgt		Poor	Wood	Gray	0.1
1759	B	Vert. Beam	Rgt		Poor	Metal	Gray	0
1760	D	OH Case	Lft		Poor	Metal	White	0.1
Interior Room 104 Building 14B								
1764	A	Curb	Ctr		Poor	Concrete	White	-0.1
1765	B	Curb	Ctr		Poor	Concrete	White	0.1
1766	C	Curb	Ctr		Poor	Concrete	White	0
1767	D	Curb	Ctr		Poor	Concrete	White	0.3
1768	D	Door	Lft	Rgt casing	Poor	Metal	White	0
1769	D	Door	Lft	U Ctr	Poor	Metal	White	0.1
Building 16B (Out Building)								
Interior Room 105 Building 16B								
1771	A	Wall	L Ctr		Intact	Wood	Varnish	-0.2
1772	B	Wall	L Ctr		Intact	Wood	Varnish	0
1773	C	Wall	L Ctr		Intact	Wood	Varnish	0
1774	D	Wall	L Ctr		Intact	Wood	Varnish	-0.1
1775	B	Cab. Door	Ctr		Intact	Wood	Tan	-0.1
1776	C	Window	Ctr	Rgt casing	Intact	Wood	Varnish	-0.1
1777	C	Window	Ctr	Sash	Intact	Wood	Varnish	-0.2
1778	D	Door	Ctr	Rgt casing	Intact	Wood	Varnish	0
1779	D	Door	Ctr	U Ctr	Intact	Metal	Gray	0
Interior Room 999 Post Calibration (9/06/18)								
1791								1.1
1792								1.1
1793								1.1
1794								0

- The State of Wisconsin defines lead bearing paint as that which is equal to or greater than 1.0 mg/cm².
- Readings with a negative value (i.e. -0.1) are equivalent to 0.0

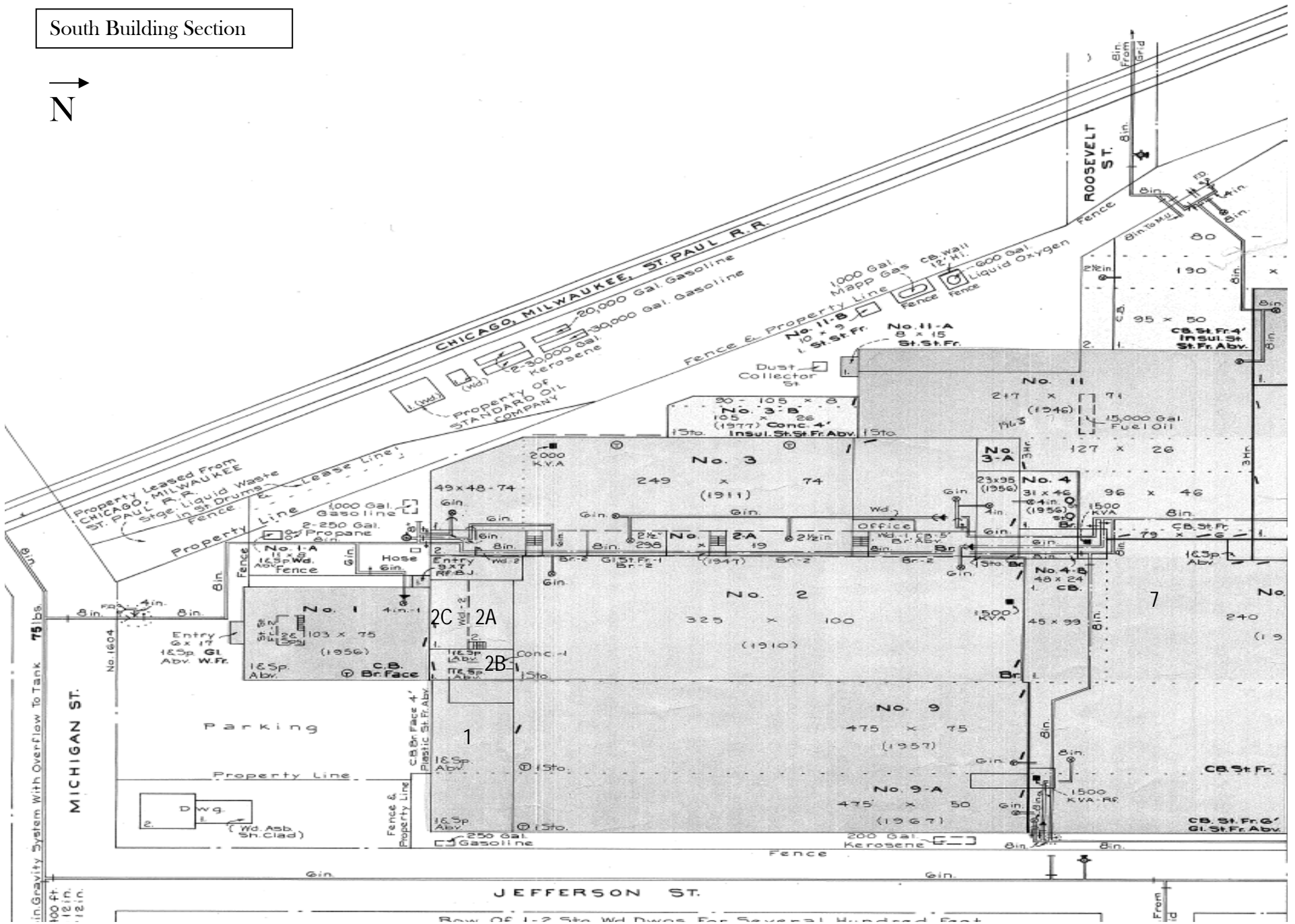
Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018



South Building Section



Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

February 2018

PHOTO LOG – Asbestos Materials



Photo 1) Transite Siding – Bldg 3 Roof



Photo 4) Typical Window Glazing



Photo 2) Transite Siding – Building 2 Roof



Photo 5) Window Glazing – Bldg 3 Skylights



Photo 3) Silver Air Handler Door Gasket –
Bldg 8A Mezzanine



Photo 6) White Pipe Insulation – Bldg 2
(west wall – upper)



Photo 7) Typical Pipe Fitting Insulation



Photo 10) Transite Paneling – Bldg 17



Photo 8) Brown Roofing Paper – Bldg 3



Photo 11) Typical Electrical Panel



Photo 9) Transite Paneling – Bldg 3



Photo 12) Typical Fire Door



**Photo 13) 9" Tan Floor Tile & Black Adhesive
- Bldg 15 Mezzanine**



Photo 16) Brown Wall Adhesive – Bldg 12



**Photo 14) 9" Green Floor Tile & Black Adhesive
- Bldg 11 Offices**



Photo 17) Brown Paneling Adhesive – Bldg 11



**Photo 15) 12" Tan Floor Tile & Black Adhesive
- Bldg 1 Offices**



**Photo 18) Black Flooring Adhesive
- Bldg 1 Lobby**



**Photo 19) Brown Ceramic Baseboard Adhesive
- Bldg 9 Bathroom**



Photo 20) Gray Door Caulk – Bldg 12 West Room

PHOTO LOG – Lead Based Paint



Photo 21) Typical Wall with Lead-Based Paint



Photo 22) Typical Curb with Lead-Based Paint



Photo 23) Typical Floor Stripe with Lead-Based Paint

NorthStar Environmental Testing, LLC.

Good Armstrong Training & Consulting, Inc.

544 E. Ogden #700-147 Milwaukee WI 53202 (414) 645-7600

Good Armstrong Training & Consulting, Inc. hereby certifies that

Ethan Michael Turriff



has attended a 4-hour asbestos training class conducted 01/04/2018 - 01/04/2018 at Hotel J, 2620 South Packerland Dr., Green Bay WI 54313 and successfully passed the course test administered on 01/04/2018 thereby meeting the qualification requirements for

Asbestos Inspector Refresher

This training course complies with the requirements of TSCA Title II and is accredited by the State of Wisconsin under ch. DHS 159, Wis. Admin. Code. (GATC Course #415)

In recognition of this accomplishment, Good Armstrong Training & Consulting certifies that Ethan Michael Turriff has successfully completed certificate #19655 which expires on 01/04/2019.

Attested this date of 01/04/2018 by : *Luella Wolbrink*
Luella Wolbrink, Representative

COPY

ASBESTOS INSPECTOR			
Issued By			
STATE OF WISCONSIN			
Dept. of Health Services			
Ethan Michael Turriff			
2610 Lawrence Dr			
De Pere WI 54115-9198			
AI-238194	Exp: 03/09/2019	230 lbs	5' 00"
Training due by: 03/09/2019		04/30/1989	Male

Milwaukee Lead/Asbestos Information Center

A division of Midwest Certified Training, Inc.

3495 North 124th Street, Brookfield, WI 53005 Phone: 414-481-9070



Ethan Turriff

Ethan Michael Turriff

2610 Lawrence Drive

De Pere

WI

54115

has successfully passed the required course test and completed all other requirements for the 16-hour

Lead Hazard Investigation Initial Course

on February 2-3, 2017 in MidWest Certified Training, 741 Lois

Course Test Date: February 3, 2017

Date Course Certificate Issued: February 8, 2017


Course Certificate #: H1117020256512

Expiration Date: February 3, 2019

DCQ Course ID #: 8811

*This training course complies with the requirements of and is accredited by
under ch. HFS 163, Wis. A*

COPY

LEAD(PB) RISK ASSESSOR			
Issued By			
STATE OF WISCONSIN			
Dept. of Health Services			
Ethan Michael Turriff			
2610 Lawrence Dr			
De Pere WI 54115-9198			
			
LRA-238194	Exp: 02/03/2019	230 lbs	6' 00"
	Training due by: 02/03/2019	04/30/1989	Male

Services

Milwaukee Lead/Asbestos Information Center

A division of Midwest Certified Training, Inc.
3495 North 124th Street, Brookfield, WI 53005 Phone: 414-481-9070



Jason Michael Motkowski

Has attended and successfully completed a course on March 7-9, 2018 and satisfactorily passed examination with a minimum score of 70 percent, that meets all criteria for the State of Wisconsin Accreditation as an

COPY

Asbestos Inspector Initial Course

Date of Course: March 7-9, 2018

Date Of Examination: March 9, 2018

Date of Expiration: March 9, 2019

Certification Number: A111803075331

Location: Milwaukee Lead/Asbestos Information Center, 3495 North

DCQ Course ID #: 8815

This training course complies with the requirements of TSCA Title II and is accredited by under ch. DHS 159, Wis. Admin. Code.

Roely Early

Director of Milwaukee Lead/Asbestos Information Center, Inc.
3495 North 124th Street
Brookfield, WI 53005

ASBESTOS INSPECTOR			
Issued By			
STATE OF WISCONSIN			
Dept. of Health Services			
Jason Michael Motkowski			
630 Brule Rd Unit 44			
De Pere WI 54115-3767			
AI1-249714	Exp. 03/09/2019	180 lbs	5' 08"
		06/25/1984	Male

Training due by: 03/09/2019

Milwaukee Lead/Asbestos Information Center

A division of Midwest Certified Training, Inc.

3495 North 124th Street, Brookfield, WI 53005 Phone: 414-481-9070



Jason Michael Motkowski

1480 Navigator Way

De Pere

WI

54115

has successfully passed the required course test and completed all other requirements for the 16-hour

Lead Hazard Investigation Initial Course

on April 5-6, 2018 in MidWest Certified Training, 741 Lois

Course Test Date: April 6, 2018

Date Course Certificate Issued: April 6, 2018

Course Certificate #: H118040553837

Expiration Date: April 6, 2020

DCQ Course ID #: **8811**

This training course complies with the requirements of and is accredited by the State of Wisconsin under ch. HFS 163, Wis. Admin. Code.

COPY

LEAD(PB) RISK ASSESSOR
Issued By
STATE OF WISCONSIN
Dept. of Health Services



Jason Michael Motkowski
630 Emule Rd Unit 44
De Pere WI 54115-3767

LRA-249714	Exp: 04/06/2019	180 lbs	5' 08"
		06/25/1984	Male

Training due by: 04/06/2020

Company Certificate

This certifies that

NORTHSTAR ENVIRONMENTAL TESTING LLC

817 OAK RIDGE RD
MOSINEE WI 54455-8672

is certified under ch. DHS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 06/06/2017

Expiration Date: 08/01/2019, 12:01 a.m.

Certification #: CAP-925800

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A. Bruce

Shelley A. Bruce,
Unit Supervisor



COPY

Company Certificate

This certifies that

NORTHSTAR ENVIRONMENTAL TESTING LLC

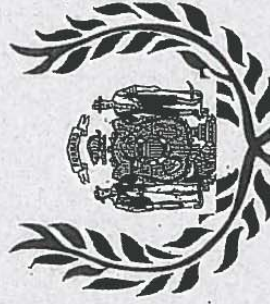
817 OAK RIDGE RD
MOSINEE WI 54455-8672

is certified under ch. DHS 163, Wis. Adm. Code as a

Lead (Pb) Company

Certificate Issue Date: 05/23/2017
Expiration Date: 08/01/2019, 12:01 a.m.
Certification #: DHS-925800

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce

Shelley A Bruce,
Unit Supervisor



COPY

Addendum A LABORATORY ANALYSIS REPORTS

Tetra Tech

**1604 Michigan Avenue
New Holstein, WI 53061**

September 2018

September 6, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh - New Holstein; 180-755 JM
CEI LAB CODE: A1810171

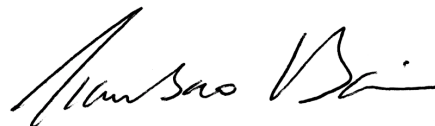
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 31, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh - New Holstein; 180-755 JM

LAB CODE: A1810171

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/06/18

TOTAL SAMPLES ANALYZED: 49

SAMPLES >1% ASBESTOS: 9

PROJECT: Tecumseh - New Holstein; 180-755 JM

LAB CODE: A1810171

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-1		A100680	White,Brown	Garage Door Seam Caulk	None Detected
755-2		A100681	Gray,Tan	Terrazzo Sink	None Detected
755-3		A100682	White,Tan	Ceramic Baseboard	None Detected
755-4		A100683	Tan	Baseboard Adhesive	None Detected
755-5		A100684	Gray,Off-white	Ceiling Tile	None Detected
755-6		A100685	Off-white,Tan	Drywall	None Detected
755-7		A100686	Gray,Off-white	Floor Tile	None Detected
755-8		A100687	Tan	Floor Tile Adhesive	None Detected
755-9		A100688	Brown,Gray	Door Caulk	None Detected
755-10		A100689	Gray,Brown	Door Caulk	None Detected
755-11		A100690	Gray,Brown	Window Caulk	None Detected
755-12		A100691		No Sample Present in Sample Container	
755-13		A100692	Gray,Brown	Window Glazing	Chrysotile 2%
755-14		A100693	Gray	Door Caulk	None Detected
755-15		A100694	Off-white	Door Caulk	None Detected
755-16		A100695	Clear	Window Glazing	None Detected
755-17		A100696	Off-white,Green	Window Glazing	Chrysotile 2%
755-18		A100697	Off-white,Gray	Window Glazing	Chrysotile 2%
755-19		A100698	Gray	Window Caulk	None Detected
755-20		A100699	Gray,Off-white	Ceiling Tile	None Detected
755-21		A100700	Black	Vinyl Baseboard	None Detected
755-22		A100701	Gray,Off-white	Ceiling Tile	None Detected
755-23		A100702	Beige	Floor Tile	None Detected
755-24		A100703	Tan	Floor Tile Adhesive	None Detected

PROJECT: Tecumseh - New Holstein; 180-755 JM

LAB CODE: A1810171

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-25		A100704	Black	Window Glazing	None Detected
755-26		A100705	Off-white,Tan	Drywall	None Detected
755-27		A100706	Off-white	Joint Compound	None Detected
755-28		A100707		Sample Not Analyzed per COC	
755-29		A100708	Red	Vinyl Sheet Flooring	None Detected
755-30		A100709	Gray	Door Caulk	None Detected
755-31		A100710	Black	Floor Tile	None Detected
755-32		A100711	Green,Tan	Floor Tile	Chrysotile 5%
755-33		A100712	Black	Floor Tile Adhesive	Chrysotile 5%
755-34		A100713	Tan,Brown	Floor Tile	Chrysotile 5%
755-35		A100714	Black	Floor Tile Adhesive	Chrysotile 5%
755-36		A100715	Gray	Floor Tile	None Detected
755-37		A100716	Tan	Floor Tile Adhesive	None Detected
755-39		A100717	Off-white,Tan	Drywall	None Detected
755-40		A100718	Off-white	Joint Compound	None Detected
755-41		A100719		Sample Not Analyzed per COC	
755-42		A100720	Gray	Vinyl Wall Panel	None Detected
755-43		A100721	Tan	Wall Panel Adhesive	None Detected
755-44		A100722	Gray,Tan	Terrazzo Sink	None Detected
755-45		A100723	Off-white	Ceramic Tile Backsplash	None Detected
755-46		A100724	Tan	Backsplash Adhesive	None Detected
755-47		A100725	Off-white,Tan	Drywall Ceiling Tile	None Detected
755-48		A100726	Tan,Brown	Insulation	None Detected
755-49		A100727	Off-white,Gray	Window Glazing	None Detected
755-50		A100728	Off-white,Gray	Window Glazing	Chrysotile 2%
755-51		A100729	Gray	Vinyl Baseboard	None Detected
755-52		A100730	Tan	Air Handler Door Insulation	None Detected
755-53		A100731	Off-white,Gray	Air Handler Door Gasket	Chrysotile 80%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-1 A100680	Garage Door Seam Caulk	Heterogeneous White,Brown Fibrous Bound	<1%	Cellulose	95%	Caulk Paint	None Detected
755-2 A100681	Terrazzo Sink	Heterogeneous Gray,Tan Fibrous Bound	<1%	Cellulose	35% 55% 10%	Calc Carb Silicates Binder	None Detected
755-3 A100682	Ceramic Baseboard	Heterogeneous White,Tan Non-fibrous Tightly Bound			75% 25%	Binder Silicates	None Detected
755-4 A100683	Baseboard Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
755-5 A100684	Ceiling Tile	Heterogeneous Gray,Off-white Fibrous Bound	35% 25%	Cellulose Fiberglass	15% 5% 20%	Binder Paint Perlite	None Detected
755-6 A100685	Drywall	Heterogeneous Off-white,Tan Fibrous Bound	25%	Cellulose	65% 10%	Gypsum Binder	None Detected
755-7 A100686	Floor Tile	Heterogeneous Gray,Off-white Fibrous Tightly Bound	<1%	Cellulose	95% 5%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
755-8 A100687	Floor Tile Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
755-9 A100688	Door Caulk	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	95%	Caulk 5% Paint	None Detected
755-10 A100689	Door Caulk	Heterogeneous Gray,Brown Fibrous Bound	<1%	Cellulose	95%	Caulk 5% Paint	None Detected
755-11 A100690	Window Caulk	Heterogeneous Gray,Brown Fibrous Bound	<1%	Cellulose	95%	Caulk 5% Paint	None Detected
755-12 A100691	No Sample Present in Sample Container						
755-13 A100692	Window Glazing	Heterogeneous Gray,Brown Fibrous Bound	<1%	Cellulose	90%	Caulk 8% Paint	2% Chrysotile
755-14 A100693	Door Caulk	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	95%	Caulk 5% Paint	None Detected
755-15 A100694	Door Caulk	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	95%	Caulk 5% Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
755-16 A100695	Window Glazing	Heterogeneous Clear Fibrous Bound	<1%	Cellulose	100%	Caulk	None Detected
755-17 A100696	Window Glazing	Heterogeneous Off-white, Green Fibrous Bound	<1%	Cellulose	90%	Caulk	2% Chrysotile
755-18 A100697	Window Glazing	Heterogeneous Off-white, Gray Fibrous Bound	<1%	Cellulose	90%	Caulk	2% Chrysotile
755-19 A100698	Window Caulk	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	95%	Caulk	None Detected
755-20 A100699	Ceiling Tile	Heterogeneous Gray, Off-white Fibrous Bound	35%	Cellulose	15%	Binder	None Detected
755-21 A100700	Vinyl Baseboard	Heterogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl	None Detected
755-22 A100701	Ceiling Tile	Heterogeneous Gray, Off-white Fibrous Bound	35%	Cellulose	15%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-23 A100702	Floor Tile	Heterogeneous Beige Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Binder	None Detected
755-24 A100703	Floor Tile Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
755-25 A100704	Window Glazing	Heterogeneous Black Fibrous Bound	<1%	Cellulose	95%	Caulk Binder	None Detected
755-26 A100705	Drywall	Heterogeneous Off-white, Tan Fibrous Bound	25%	Cellulose	65%	Gypsum Binder	None Detected
755-27 A100706	Joint Compound	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	75%	Calc Carb Binder Paint	None Detected
755-28 A100707	Sample Not Analyzed per COC						
755-29 A100708	Vinyl Sheet Flooring	Heterogeneous Red Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Calc Carb	None Detected
755-30 A100709	Door Caulk	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	95%	Caulk Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-31 A100710	Floor Tile	Heterogeneous Black Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Binder	None Detected
755-32 A100711	Floor Tile	Heterogeneous Green,Tan Fibrous Tightly Bound	<1%	Cellulose	90%	Vinyl Binder	5% Chrysotile
755-33 A100712	Floor Tile Adhesive	Heterogeneous Black Fibrous Bound	2%	Cellulose	93%	Mastic	5% Chrysotile
755-34 A100713	Floor Tile	Heterogeneous Tan,Brown Fibrous Tightly Bound	<1%	Cellulose	90%	Vinyl Binder	5% Chrysotile
755-35 A100714	Floor Tile Adhesive	Heterogeneous Black Fibrous Bound	2%	Cellulose	93%	Mastic	5% Chrysotile
755-36 A100715	Floor Tile	Heterogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl Binder	None Detected
755-37 A100716	Floor Tile Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-39 A100717	Drywall	Heterogeneous Off-white, Tan Fibrous Bound	25%	Cellulose	65%	Gypsum 10% Binder	None Detected
755-40 A100718	Joint Compound	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	75%	Calc Carb 15% Binder 10% Paint	None Detected
755-41 A100719	Sample Not Analyzed per COC						
755-42 A100720	Vinyl Wall Panel	Heterogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl 5% Calc Carb	None Detected
755-43 A100721	Wall Panel Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
755-44 A100722	Terrazzo Sink	Heterogeneous Gray, Tan Fibrous Bound	<1%	Cellulose	35%	Calc Carb 55% Silicates 10% Binder	None Detected
755-45 A100723	Ceramic Tile Backsplash	Heterogeneous Off-white Non-fibrous Tightly Bound			75%	Binder 25% Silicates	None Detected
755-46 A100724	Backsplash Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810171
Date Received: 08-31-18
Date Analyzed: 09-05-18
Date Reported: 09-06-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-47 A100725	Drywall Ceiling Tile	Heterogeneous Off-white,Tan Fibrous Bound	25%	Cellulose	60%	Gypsum 5% Binder 10% Vinyl	None Detected
755-48 A100726	Insulation	Heterogeneous Tan,Brown Fibrous Loose	<1%	Cellulose	95%	Vermiculite 5% Binder	None Detected
755-49 A100727	Window Glazing	Heterogeneous Off-white,Gray Fibrous Bound	<1%	Cellulose	90%	Caulk 5% Binder 5% Paint	None Detected
755-50 A100728	Window Glazing	Heterogeneous Off-white,Gray Fibrous Bound	<1%	Cellulose	88%	Caulk 5% Binder 5% Paint	2% Chrysotile
755-51 A100729	Vinyl Baseboard	Heterogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	95%	Vinyl 5% Calc Carb	None Detected
755-52 A100730	Air Handler Door Insulation	Heterogeneous Tan Fibrous Loosely Bound	95%	Fiberglass	5%	Binder	None Detected
755-53 A100731	Air Handler Door Gasket	Heterogeneous Off-white,Gray Fibrous Bound	<1%	Cellulose	20%	Binder	80% Chrysotile

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

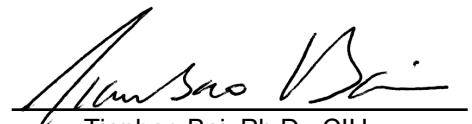
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: _____



Scott Minyard

APPROVED BY: _____



Tianbao Bai, Ph.D., CIH
Laboratory Director



107 New Edition Court, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:
 CEI Lab Code: **A1810171 (S2)**
 CEI Lab I.D. Range: **A100480-A100731**

COMPANY CONTACT INFORMATION	
Company: NorthStar Environmental Testing	Client #: 25143
Address: 1006 Western Avenue	Job Contact: Aaron Stroud
Mosinee, WI 54455	Email: info@northstartesting.com
	Tel: (715) 693-6112
Project Name: Tecumseh - New Holstein	Fax: (715) 693-1225
Project ID #: 180-755 Jm	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA Level II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: see attached sample log in sheet

see attached sample log in sheet

Accept Samples
 Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Jason Motkowsky	8/30/18	CS	8/31/18 9:20

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis

September 7, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh_New Holstein; 180-755 JM
CEI LAB CODE: B188019

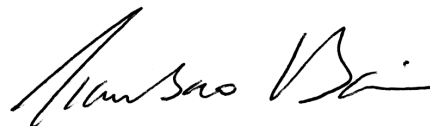
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 4, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh_New Holstein; 180-755 JM

LAB CODE: B188019

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/07/18

TOTAL SAMPLES ANALYZED: 63

SAMPLES >1% ASBESTOS: 3

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh_New Holstein; 180-755 JM

LAB CODE: B188019

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-53		B96943	White	Door Caulk	None Detected
755-54		B96944	White	Door Caulk	None Detected
755-55		B96945	White,Gray	Window Glazing	None Detected
755-56		B96946	White,Gray	Window Glazing	None Detected
755-57		B96947	Tan	Insulation	None Detected
755-58		B96948	Tan	Insulation	None Detected
755-59		B96949	Tan	Insulation	None Detected
755-60		B96950	Clear,Gray	Seam Caulk	None Detected
755-61		B96951	Clear,Gray	Seam Caulk	None Detected
755-62		B96952	White,Gray	Door Caulk	None Detected
755-63		B96953	White,Gray	Door Caulk	None Detected
755-64		B96954	Gray	Door Caulk	Chrysotile 2%
755-65		B96955	Gray	Door Caulk	None Detected
755-66		B96956	Off-white	Seam Caulk	None Detected
755-67		B96957	Off-white	Seam Caulk	None Detected
755-68		B96958	Tan	Insulation	None Detected
755-69		B96959	Tan	Insulation	None Detected
755-70		B96960	Tan	Insulation	None Detected
755-71		B96961	Gray	Ceiling Tile	None Detected
755-72		B96962	Gray	Ceiling Tile	None Detected
755-73		B96963	Gray	Drywall	None Detected
755-74		B96964	White	Joint Compound	None Detected
755-75		B96965		Sample Not Analyzed per COC	
755-76		B96966	Gray	Drywall	None Detected
755-77		B96967	White	Joint Compound	None Detected
755-78		B96968		Sample Not Analyzed per COC	
755-79		B96969	Brown	Vinyl Baseboard	None Detected
755-80		B96970	Tan	Adhesive	None Detected
755-81		B96971	Brown	Vinyl Baseboard	None Detected
755-82		B96972	Tan	Adhesive	None Detected
755-83		B96973	Tan	Floor Tile	None Detected

PROJECT: Tecumseh_New Holstein; 180-755 JM

LAB CODE: B188019

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-84		B96974	Tan	Adhesive	None Detected
755-85		B96975	Tan	Floor Tile	None Detected
755-86		B96976	Tan	Adhesive	None Detected
755-87		B96977	White	Sheetrock	None Detected
755-88		B96978	Tan	Adhesive	None Detected
755-89		B96979	White	Sheetrock	None Detected
755-90		B96980	Tan	Adhesive	None Detected
755-91		B96981	Tan	Ceiling Caulk	None Detected
755-92		B96982	Tan	Ceiling Caulk	None Detected
755-93		B96983	White	Door Caulk	None Detected
755-94		B96984	White	Door Caulk	None Detected
755-95		B96985	Gray,Brown	Fiber Tile	None Detected
755-96		B96986	Brown	Adhesive	None Detected
755-97		B96987	Red,Brown	Fiber Tile	None Detected
755-98		B96988	Brown	Adhesive	None Detected
755-99		B96989	Tan	Wall Insulation	None Detected
755-100		B96990	Tan	Wall Insulation	None Detected
755-101		B96991	Tan	Wall Insulation	None Detected
755-102		B96992	Tan	Wall Insulation	None Detected
755-103		B96993	Brown	Adhesive	Chrysotile 2%
755-104		B96994	Brown	Adhesive	Chrysotile 2%
755-105		B96995	White	Ceiling Tile	None Detected
755-106		B96996	Brown,Tan	Adhesive	None Detected
755-107		B96997	White	Ceiling Tile	None Detected
755-108		B96998	Brown,Tan	Adhesive	None Detected
755-109		B96999	White	Ceiling Tile	None Detected
755-110		B97000	Brown	Adhesive	None Detected
755-111		B97001	White,Brown	Ceiling Tile	None Detected
755-112		B97002	Brown	Adhesive	None Detected
755-113		B97003	Tan	Seam Caulk	None Detected
755-114		B97004	Tan	Seam Caulk	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh_New Holstein; 180-755 JM

LAB CODE: B188019

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-115		B97005	Tan	Seam Caulk	None Detected
755-116		B97006	Black	Window Glazing	None Detected
755-117		B97007	Black	Window Glazing	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-53 B96943	Door Caulk	Heterogeneous White Non-fibrous Bound	<1% Talc	85% Caulk 15% Binder	None Detected
755-54 B96944	Door Caulk	Heterogeneous White Non-fibrous Bound	<1% Talc	85% Caulk 15% Binder	None Detected
755-55 B96945	Window Glazing	Heterogeneous White, Gray Non-fibrous Bound		85% Binder 15% Paint	None Detected
755-56 B96946	Window Glazing	Heterogeneous White, Gray Non-fibrous Bound		85% Binder 15% Paint	None Detected
755-57 B96947	Insulation	Heterogeneous Tan Non-fibrous Loose		100% Vermiculite	None Detected
755-58 B96948	Insulation	Heterogeneous Tan Non-fibrous Loose		85% Silicates 15% Binder	None Detected
755-59 B96949	Insulation	Heterogeneous Tan Non-fibrous Loose		85% Silicates 15% Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-60 B96950	Seam Caulk	Homogeneous Clear,Gray Non-fibrous Bound	100%	Caulk	None Detected
755-61 B96951	Seam Caulk	Homogeneous Clear,Gray Non-fibrous Bound	100%	Caulk	None Detected
755-62 B96952	Door Caulk	Heterogeneous White,Gray Non-fibrous Bound	100% <1%	Caulk Binder	None Detected
755-63 B96953	Door Caulk	Heterogeneous White,Gray Non-fibrous Bound	100% <1%	Caulk Binder	None Detected
755-64 B96954	Door Caulk	Heterogeneous Gray Non-fibrous Bound	98% <1%	Caulk Binder	2% Chrysotile
755-65 B96955	Door Caulk	Heterogeneous Gray Non-fibrous Bound	100% <1%	Caulk Binder	None Detected
755-66 B96956	Seam Caulk	Homogeneous Off-white Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
755-67 B96957	Seam Caulk	Homogeneous Off-white Non-fibrous Bound	100%	Caulk		None Detected	
755-68 B96958	Insulation	Heterogeneous Tan Non-fibrous Loose	95%	Vermiculite	5%	Silicates	None Detected
755-69 B96959	Insulation	Heterogeneous Tan Non-fibrous Loose	95%	Vermiculite	5%	Silicates	None Detected
755-70 B96960	Insulation	Heterogeneous Tan Non-fibrous Loose	95%	Vermiculite	5%	Silicates	None Detected
755-71 B96961	Ceiling Tile	Heterogeneous Gray Fibrous Bound	45%	Cellulose	35%	Perlite	None Detected
			15%	Fiberglass	5%	Paint	
755-72 B96962	Ceiling Tile	Heterogeneous Gray Fibrous Bound	45%	Cellulose	35%	Perlite	None Detected
			15%	Fiberglass	5%	Paint	
755-73 B96963	Drywall	Heterogeneous Gray Fibrous Bound	25%	Cellulose	75%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-74 B96964	Joint Compound	Heterogeneous White Non-fibrous Bound	75% 20% 5%	Calc Carb Binder Paint	None Detected
755-75 B96965	Sample Not Analyzed per COC				
755-76 B96966	Drywall	Heterogeneous Gray Fibrous Bound	25%	Cellulose Gypsum	75% None Detected
755-77 B96967	Joint Compound	Heterogeneous White Non-fibrous Bound	75% 20% 5%	Calc Carb Binder Paint	None Detected
755-78 B96968	Sample Not Analyzed per COC				
755-79 B96969	Vinyl Baseboard	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected
755-80 B96970	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-81 B96971	Vinyl Baseboard	Homogeneous Brown Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-82 B96972	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
755-83 B96973	Floor Tile	Homogeneous Tan Non-fibrous Tightly Bound	100%		Vinyl		None Detected
755-84 B96974	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
755-85 B96975	Floor Tile	Homogeneous Tan Non-fibrous Tightly Bound	100%		Vinyl		None Detected
755-86 B96976	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
755-87 B96977	Sheetrock	Heterogeneous White Fibrous Bound	25%	Cellulose	75%	Gypsum	None Detected
755-88 B96978	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-89 B96979	Sheetrock	Heterogeneous White Fibrous Bound	25%	Cellulose	75%	Gypsum	None Detected
755-90 B96980	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-91 B96981	Ceiling Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
755-92 B96982	Ceiling Caulk	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
755-93 B96983	Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk <1% Paint	None Detected
755-94 B96984	Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk <1% Paint	None Detected
755-95 B96985	Fiber Tile	Heterogeneous Gray,Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
755-96 B96986	Adhesive	Homogeneous Brown Non-fibrous Bound	100%	Mastic		None Detected	
755-97 B96987	Fiber Tile	Heterogeneous Red,Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
755-98 B96988	Adhesive	Homogeneous Brown Non-fibrous Bound	100%	Mastic		None Detected	
755-99 B96989	Wall Insulation	Homogeneous Tan Non-fibrous Loose	100%	Vermiculite		None Detected	
755-100 B96990	Wall Insulation	Homogeneous Tan Non-fibrous Loose	100%	Vermiculite		None Detected	
755-101 B96991	Wall Insulation	Homogeneous Tan Non-fibrous Loose	75%	Silicates	25%	Binder	None Detected
755-102 B96992	Wall Insulation	Homogeneous Tan Non-fibrous Loose	75%	Silicates	25%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-103 B96993	Adhesive	Heterogeneous Brown Non-fibrous Bound	<1%	Fiberglass	98%	Mastic	2% Chrysotile
755-104 B96994	Adhesive	Heterogeneous Brown Non-fibrous Bound			98%	Mastic <1% Silicates	2% Chrysotile
755-105 B96995	Ceiling Tile	Heterogeneous White Fibrous Bound	75%	Fiberglass	25%	Binder	None Detected
755-106 B96996	Adhesive	Heterogeneous Brown, Tan Non-fibrous Bound			100%	Mastic	None Detected
755-107 B96997	Ceiling Tile	Heterogeneous White Fibrous Bound	75%	Fiberglass	25%	Binder	None Detected
755-108 B96998	Adhesive	Heterogeneous Brown, Tan Non-fibrous Bound			100%	Mastic	None Detected
755-109 B96999	Ceiling Tile	Heterogeneous White Fibrous Bound	25%	Cellulose	75%	Gravel	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
755-110 B97000	Adhesive	Heterogeneous Brown Non-fibrous Bound		100%	Mastic	None Detected
755-111 B97001	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	95%	Cellulose	5% Paint	None Detected
755-112 B97002	Adhesive	Heterogeneous Brown Non-fibrous Bound		100%	Mastic	None Detected
755-113 B97003	Seam Caulk	Homogeneous Tan Non-fibrous Bound		100%	Caulk	None Detected
755-114 B97004	Seam Caulk	Homogeneous Tan Non-fibrous Bound		100%	Caulk	None Detected
755-115 B97005	Seam Caulk	Homogeneous Tan Non-fibrous Bound		100%	Caulk	None Detected
755-116 B97006	Window Glazing	Homogeneous Black Non-fibrous Bound		100%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188019
Date Received: 09-04-18
Date Analyzed: 09-06-18
Date Reported: 09-07-18

Project: Tecumseh_New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS		ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous	%
755-117 B97007	Window Glazing	Homogeneous Black Non-fibrous Bound		100% Binder	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

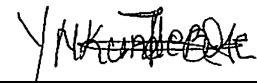
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

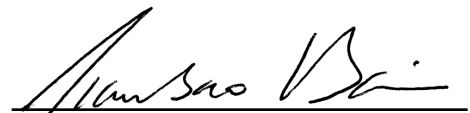
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: _____


Yvette Nkunde-Bose

APPROVED BY: _____


Tianbao Bai, Ph.D., CIH
Laboratory Director



107 New Edition Court, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	B188019 (65)
CEI Lab I.D. Range:	B96943- B97007

COMPANY CONTACT INFORMATION	
Company: NorthStar Environmental Testing	Client #: 25143
Address: 1006 Western Avenue	Job Contact: Aaron Stroud
Mosinee, WI 54455	Email: info@northstartesting.com
	Tel: (715) 693-6112
Project Name: Tecumseh - New Holstein	Fax: (715) 693-1225
Project ID #: 180-755 Jm	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA Level II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: see attached sample log in sheet		<input checked="" type="checkbox"/> Accept Samples
see attached sample log in sheet		<input type="checkbox"/> Reject Samples
Relinquished By:	Date/Time	Received By:
Jason Motkowsk,	8/31/18	KC
		Date/Time
		9/4/18 9:40 AM

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis

September 10, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh New Holstein; 180-755 JM
CEI LAB CODE: B188056

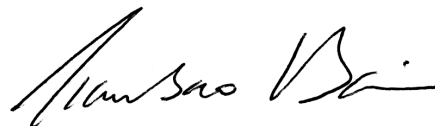
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 5, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh New Holstein; 180-755 JM

LAB CODE: B188056

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/10/18

TOTAL SAMPLES ANALYZED: 70

SAMPLES >1% ASBESTOS: 8

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh New Holstein; 180-755 JM

LAB CODE: B188056

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-118		B97951	Gray	Caulking	None Detected
755-119		B97952	Gray	Caulking	None Detected
755-120		B97953	Gray	Caulking	None Detected
755-121		B97954	Gray	Caulking	None Detected
755-122		B97955	Gray	Caulking	None Detected
755-123		B97956	Gray	Caulking	None Detected
755-124		B97957	Tan	Adhesive	None Detected
755-125		B97958	Tan	Adhesive	None Detected
755-126		B97959	Gold	Sheet Flooring	None Detected
755-127		B97960	Tan	Adhesive	None Detected
755-128		B97961	Gold	Sheet Flooring	None Detected
755-129		B97962	Tan	Adhesive	None Detected
755-130		B97963	White,Tan	Ceiling Tile	None Detected
755-131		B97964	White,Tan	Ceiling Tile	None Detected
755-132		B97965	Black	Lab Countertop	None Detected
755-133		B97966	Black	Lab Countertop	None Detected
755-134		B97967	Gold,Brown	Insulation	Tremolite <1%
755-135		B97968	Gold,Brown	Insulation	Tremolite <1%
755-136		B97969	Gray	Caulking	None Detected
755-137		B97970	Gray	Caulking	None Detected
755-138		B97971	White	Ceramic Tile	None Detected
755-139		B97972	Tan	Adhesive	None Detected
755-140		B97973	White	Ceramic Tile	None Detected
755-141		B97974	Tan	Adhesive	None Detected
755-142		B97975	Tan	Terrazzo	None Detected
755-143		B97976	Tan	Terrazzo	None Detected
755-144		B97977	White	Pipe Fitting	None Detected
755-145		B97978	White	Pipe Fitting	None Detected
755-146		B97979	Gray	Caulking	None Detected
755-147		B97980	Gray	Caulking	None Detected
755-148		B97981	Green	Floor Tile	None Detected

PROJECT: Tecumseh New Holstein; 180-755 JM

LAB CODE: B188056

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-149		B97982	Tan	Adhesive	None Detected
755-150		B97983	Green	Floor Tile	None Detected
755-151		B97984	Tan	Adhesive	None Detected
755-152		B97985	Tan	Adhesive	None Detected
755-153		B97986	Tan	Adhesive	None Detected
755-154		B97987	Gray	Caulking	None Detected
755-155		B97988	Gray	Caulking	None Detected
755-156		B97989	Brown	Adhesive	Chrysotile 5%
755-157		B97990	Brown	Adhesive	Chrysotile 5%
755-158		B97991	Cream	Floor Tile	None Detected
755-159		B97992	Tan	Adhesive	None Detected
755-160		B97993	Green	Floor Tile	Chrysotile 10%
755-161		B97994	Black	Adhesive	Chrysotile 10%
755-162		B97995	Cream	Floor Tile	None Detected
755-163		B97996	Tan	Adhesive	None Detected
755-164		B97997	Green	Floor Tile	Chrysotile 10%
755-165		B97998	Black	Adhesive	Chrysotile 10%
755-166		B97999	Green	Baseboard	None Detected
755-167		B98000	Tan	Adhesive	None Detected
755-168		B98001	Green	Baseboard	None Detected
755-169		B98002	Tan	Adhesive	None Detected
755-170		B98003	White,Tan	Ceiling Tile	None Detected
755-171		B98004	White,Tan	Ceiling Tile	None Detected
755-172		B98005	Tan	Baseboard	None Detected
755-173		B98006	Tan	Adhesive	None Detected
755-174		B98007	Tan	Baseboard	None Detected
755-175		B98008	Tan	Adhesive	None Detected
755-176		B98009	Cream	Floor Tile	None Detected
755-177		B98010	Black,Tan	Adhesive	Chrysotile <1%
755-178		B98011	Cream	Floor Tile	None Detected
755-179		B98012	Black,Tan	Adhesive	Chrysotile <1%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh New Holstein; 180-755 JM

LAB CODE: B188056

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-180		B98013	Gray	Floor Tile	None Detected
755-181		B98014	Black	Adhesive	Chrysotile 5%
755-182		B98015	Gray	Floor Tile	None Detected
755-183		B98016	Black	Adhesive	Chrysotile 5%
755-184		B98017	Tan	Baseboard	None Detected
755-185		B98018	Tan	Adhesive	None Detected
755-186		B98019	Tan	Baseboard	None Detected
755-187		B98020	Tan	Adhesive	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-118 B97951	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-119 B97952	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-120 B97953	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-121 B97954	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-122 B97955	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-123 B97956	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-124 B97957	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-125 B97958	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-126 B97959	Sheet Flooring	Homogeneous Gold Fibrous Bound	25% 25%	Cellulose Fiberglass	50%	Vinyl	None Detected
755-127 B97960	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-128 B97961	Sheet Flooring	Homogeneous Gold Fibrous Bound	25% 25%	Cellulose Fiberglass	50%	Vinyl	None Detected
755-129 B97962	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-130 B97963	Ceiling Tile	Heterogeneous White, Tan Fibrous Loosely Bound	60% 20%	Cellulose Fiberglass	5% 5% 10%	Binder Paint Perlite	None Detected
755-131 B97964	Ceiling Tile	Heterogeneous White, Tan Fibrous Loosely Bound	60% 20%	Cellulose Fiberglass	5% 5% 10%	Binder Paint Perlite	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
755-132 B97965	Lab Countertop	Homogeneous	30%	Binder	None Detected	
		Black Non-fibrous Tightly Bound	70%	Silicates		
755-133 B97966	Lab Countertop	Homogeneous	30%	Binder	None Detected	
		Black Non-fibrous Tightly Bound	70%	Silicates		
755-134 B97967	Insulation	Homogeneous	100%	Vermiculite	<1% Tremolite	
		Gold,Brown Non-fibrous Loose				
755-135 B97968	Insulation	Homogeneous	100%	Vermiculite	<1% Tremolite	
		Gold,Brown Non-fibrous Loose				
755-136 B97969	Caulking	Homogeneous	5%	Fiberglass	None Detected	
		Gray Non-fibrous Bound	95%	Caulk		
755-137 B97970	Caulking	Homogeneous	5%	Fiberglass	None Detected	
		Gray Non-fibrous Bound	95%	Caulk		
755-138 B97971	Ceramic Tile	Homogeneous	30%	Binder	None Detected	
		White Non-fibrous Tightly Bound	70%	Silicates		

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
755-139 B97972	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-140 B97973	Ceramic Tile	Homogeneous White Non-fibrous Tightly Bound			30%	Binder	None Detected
755-141 B97974	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-142 B97975	Terrazzo	Homogeneous Tan Non-fibrous Tightly Bound			30%	Binder	None Detected
755-143 B97976	Terrazzo	Homogeneous Tan Non-fibrous Tightly Bound			70%	Silicates	None Detected
755-144 B97977	Pipe Fitting	Homogeneous White Fibrous Loosely Bound	40%	Fiberglass	<1%	Paint	None Detected
755-145 B97978	Pipe Fitting	Homogeneous White Fibrous Loosely Bound	60%	Mineral Wool			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-146 B97979	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-147 B97980	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-148 B97981	Floor Tile	Homogeneous Green Non-fibrous Bound			100%	Vinyl	None Detected
755-149 B97982	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-150 B97983	Floor Tile	Homogeneous Green Non-fibrous Bound			100%	Vinyl	None Detected
755-151 B97984	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-152 B97985	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-153 B97986	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-154 B97987	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-155 B97988	Caulking	Homogeneous Gray Non-fibrous Bound	5%	Fiberglass	95%	Caulk	None Detected
755-156 B97989	Adhesive	Homogeneous Brown Non-fibrous Bound			95%	Mastic	5% Chrysotile
755-157 B97990	Adhesive	Homogeneous Brown Non-fibrous Bound			95%	Mastic	5% Chrysotile
755-158 B97991	Floor Tile	Homogeneous Cream Non-fibrous Bound			100%	Vinyl	None Detected
755-159 B97992	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-160 B97993	Floor Tile	Homogeneous Green Non-fibrous Bound	90%	Vinyl	10% Chrysotile
755-161 B97994	Adhesive	Homogeneous Black Non-fibrous Bound	90%	Mastic	10% Chrysotile
755-162 B97995	Floor Tile	Homogeneous Cream Non-fibrous Bound	100%	Vinyl	None Detected
755-163 B97996	Adhesive	Homogeneous Tan Non-fibrous Bound	5% Cellulose	95% Mastic	None Detected
755-164 B97997	Floor Tile	Homogeneous Green Non-fibrous Bound	90%	Vinyl	10% Chrysotile
755-165 B97998	Adhesive	Homogeneous Black Non-fibrous Bound	90%	Mastic	10% Chrysotile
755-166 B97999	Baseboard	Homogeneous Green Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-167 B98000	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-168 B98001	Baseboard	Homogeneous Green Non-fibrous Bound			100%	Vinyl	None Detected
755-169 B98002	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected
755-170 B98003	Ceiling Tile	Heterogeneous White, Tan Fibrous Loosely Bound	60% 20%	Cellulose Fiberglass	5% 5%	Binder Paint Perlite	None Detected
755-171 B98004	Ceiling Tile	Heterogeneous White, Tan Fibrous Loosely Bound	60% 20%	Cellulose Fiberglass	5% 5%	Binder Paint Perlite	None Detected
755-172 B98005	Baseboard	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
755-173 B98006	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-174 B98007	Baseboard	Homogeneous Tan Non-fibrous Bound	100%	Vinyl	None Detected
755-175 B98008	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95% Mastic None Detected
755-176 B98009	Floor Tile	Homogeneous Cream Non-fibrous Bound	100%	Vinyl	None Detected
755-177 B98010	Adhesive	Homogeneous Black, Tan Non-fibrous Bound	40% 60%	Mastic Tar	<1% Chrysotile
755-178 B98011	Floor Tile	Homogeneous Cream Non-fibrous Bound	100%	Vinyl	None Detected
755-179 B98012	Adhesive	Homogeneous Black, Tan Non-fibrous Bound	40% 60%	Mastic Tar	<1% Chrysotile
755-180 B98013	Floor Tile	Homogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056
Date Received: 09-05-18
Date Analyzed: 09-07-18
Date Reported: 09-10-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
755-181 B98014	Adhesive	Homogeneous Black Non-fibrous Bound	95%	Tar		5% Chrysotile
755-182 B98015	Floor Tile	Homogeneous Gray Non-fibrous Bound	100%	Vinyl		None Detected
755-183 B98016	Adhesive	Homogeneous Black Non-fibrous Bound	95%	Tar		5% Chrysotile
755-184 B98017	Baseboard	Homogeneous Tan Non-fibrous Bound	100%	Vinyl		None Detected
755-185 B98018	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic None Detected
755-186 B98019	Baseboard	Homogeneous Tan Non-fibrous Bound	100%	Vinyl		None Detected
755-187 B98020	Adhesive	Homogeneous Tan Non-fibrous Bound	5%	Cellulose	95%	Mastic None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

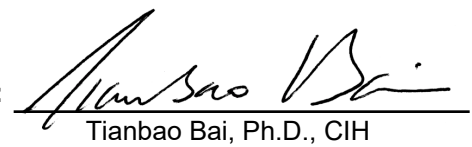
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


Megan Fisher

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director



107 New Edition Court, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	B188056 (70)
CEI Lab I.D. Range:	B97951-B98020

COMPANY CONTACT INFORMATION

Company: NorthStar Environmental Testing	Client #: 25143
Address: 1006 Western Avenue	Job Contact: Aaron Stroud
Mosinee, WI 54455	Email: info@northstartesting.com
	Tel: (715) 693-6112
Project Name: Tecumseh New Holstein	Fax: (715) 693-1225
Project ID #: 180-755 Jm	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA Level II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: see attached sample log in sheet		<input checked="" type="checkbox"/>	Accept Samples
see attached sample log in sheet		<input type="checkbox"/>	Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time
Jason Motkowsh	9/14/18	MRS	9/15/18 9:20

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis

September 11, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh Plant - New Holstein; 180-755 JM
CEI LAB CODE: B188268

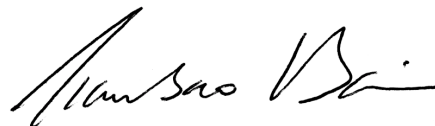
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 7, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh Plant - New Holstein; 180-755 JM

LAB CODE: B188268

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/11/18

TOTAL SAMPLES ANALYZED: 134

SAMPLES >1% ASBESTOS: 10



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh Plant - New Holstein; 180-755 **LAB CODE:** B188268

JM

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-188		B101037	White	Ceiling Tile	None Detected
755-189		B101038	White	Ceiling Tile	None Detected
755-190		B101039	Gray	Floor Tile	None Detected
755-191		B101040	Tan	Mastic	None Detected
755-192		B101041	Gray	Floor Tile	None Detected
755-193		B101042	Tan	Mastic	None Detected
755-194		B101043	White	Drywall Ceiling Tile	None Detected
755-195		B101044	White	Drywall Ceiling Tile	None Detected
755-196		B101045	Gray	Baseboard	None Detected
755-197		B101046	Tan	Adhesive	None Detected
755-198		B101047	Gray	Baseboard	None Detected
755-199		B101048	Tan	Adhesive	None Detected
755-200		B101049	Tan	Adhesive	None Detected
755-201		B101050	Tan	Adhesive	None Detected
755-202		B101051	Brown	Caulking	None Detected
755-203		B101052	Clear	Caulking	None Detected
755-204		B101053	Tan	Adhesive	None Detected
755-205		B101054	Tan	Adhesive	None Detected
755-206		B101055	Tan	Terrazzo	None Detected
755-207		B101056	Tan	Terrazzo	None Detected
755-208		B101057	White	Ceiling Tile	None Detected
755-209		B101058	White	Ceiling Tile	None Detected
755-210		B101059	Tan	Baseboard	None Detected
755-211		B101060	Tan	Adhesive	None Detected
755-212		B101061	Tan	Baseboard	None Detected
755-213		B101062	Tan	Adhesive	None Detected
755-214		B101063	White	Drywall	None Detected
755-215		B101064	White	Joint Compound	None Detected
755-216		B101065		Sample Not Analyzed per COC	
755-217		B101066	White	Drywall	None Detected
755-218		B101067	White	Joint Compound	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh Plant - New Holstein; 180-755 **LAB CODE:** B188268

JM

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-219		B101068		Sample Not Analyzed per COC	
755-220		B101069	Tan	Floor Tile	None Detected
755-221		B101070	Tan	Mastic	None Detected
755-222		B101071	Tan	Floor Tile	None Detected
755-223		B101072	Tan	Mastic	None Detected
755-224		B101073	Brown	Adhesive	None Detected
755-225		B101074	Brown	Adhesive	None Detected
755-226		B101075	Beige	Floor Tile	None Detected
755-227		B101076	Tan	Adhesive	None Detected
755-228		B101077	Beige	Floor Tile	None Detected
755-229		B101078	Tan	Adhesive	None Detected
755-230		B101079	White	Caulking	None Detected
755-231		B101080	White	Caulking	None Detected
755-232		B101081	Gray	Caulking	None Detected
755-233		B101082	Gray	Caulking	None Detected
755-234		B101083	White	Ceiling Tile	None Detected
755-235		B101084	White	Ceiling Tile	None Detected
755-236		B101085	White	Ceiling Tile	None Detected
755-237		B101086	White	Ceiling Tile	None Detected
755-238		B101087	Gray	Floor Tile	None Detected
755-239		B101088	Tan	Adhesive	None Detected
755-240		B101089	Gray	Floor Tile	None Detected
755-241		B101090	Tan	Adhesive	None Detected
755-242		B101091	Tan	Carpet Adhesive	None Detected
755-243		B101092	Tan	Carpet Adhesive	None Detected
755-244		B101093	White	Wall Tile	None Detected
755-245		B101094	Brown	Adhesive	None Detected
755-246		B101095	White	Wall Tile	None Detected
755-247		B101096	Brown	Adhesive	None Detected
755-248		B101097	White	Drywall	None Detected
755-249		B101098	White	Joint Compound	None Detected



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh Plant - New Holstein; 180-755 **LAB CODE:** B188268

JM

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-250		B101099		Sample Not Analyzed per COC	
755-251		B101100	White	Drywall	None Detected
755-252		B101101	White	Joint Compound	None Detected
755-253		B101102		Sample Not Analyzed per COC	
755-254		B101103	Gray	Baseboard	None Detected
755-255		B101104	Tan	Adhesive	None Detected
755-256		B101105	Gray	Baseboard	None Detected
755-257		B101106	Tan	Adhesive	None Detected
755-258		B101107	White	Drywall	None Detected
755-259		B101108	White	Joint Compound	None Detected
755-260		B101109		Sample Not Analyzed per COC	
755-261		B101110	White	Drywall	None Detected
755-262		B101111	White	Joint Compound	None Detected
755-263		B101112		Sample Not Analyzed per COC	
755-264		B101113	Brown	Baseboard	None Detected
755-265	Layer 1	B101114	Tan	Adhesive	None Detected
	Layer 2	B101114	White	Mud	None Detected
755-266		B101115	Brown	Baseboard	None Detected
755-267	Layer 1	B101116	Tan	Adhesive	None Detected
	Layer 2	B101116	White	Mud	None Detected
755-268		B101117	Tan	Floor Tile	None Detected
755-269		B101118	Black	Adhesive	None Detected
755-270		B101119	Tan	Floor Tile	None Detected
755-271		B101120	Black	Adhesive	None Detected
755-272		B101121	Gray	Floor Tile	None Detected
755-273		B101122	Tan	Adhesive	None Detected
755-274		B101123	Gray	Floor Tile	None Detected
755-275		B101124	Tan	Adhesive	None Detected
755-276		B101125	White	Ceiling Tile	None Detected
755-277		B101126	White	Ceiling Tile	None Detected
755-278		B101127	Tan	Adhesive	None Detected

PROJECT: Tecumseh Plant - New Holstein; 180-755 **LAB CODE:** B188268

JM

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-279		B101128	Tan	Adhesive	None Detected
755-280		B101129	Tan	Terrazzo	None Detected
755-281		B101130	Tan	Terrazzo	None Detected
755-282		B101131	Gray	Floor Tile	None Detected
755-283		B101132	Tan	Adhesive	None Detected
755-284		B101133	Gray	Floor Tile	None Detected
755-285		B101134	Tan	Adhesive	None Detected
755-286		B101135	White	Drywall Ceiling Tile	None Detected
755-287		B101136	White	Drywall Ceiling Tile	None Detected
755-288		B101137	Tan	Ceramic Baseboard	None Detected
755-289		B101138	Gray	Mortar	None Detected
755-290		B101139	Tan	Ceramic Baseboard	None Detected
755-291		B101140	Gray	Mortar	None Detected
755-292		B101141	Tan	Adhesive	None Detected
755-293		B101142	Tan	Adhesive	None Detected
755-294		B101143	Tan	Adhesive	None Detected
755-295		B101144	Tan	Adhesive	None Detected
755-296		B101145	White	Window Glazing	Chrysotile 2%
755-297		B101146	White	Window Glazing	Chrysotile 7%
755-298		B101147	Tan	Floor Tile	None Detected
755-299		B101148	Tan	Mastic	None Detected
755-300		B101149	Tan	Floor Tile	None Detected
755-301		B101150	Tan	Mastic	None Detected
755-302		B101151	Gray	Caulking	None Detected
755-303		B101152	Gray	Caulking	None Detected
755-304		B101153	Gray	Caulking	None Detected
755-305		B101154	Gray	Caulking	None Detected
755-306		B101155	Green	Floor Tile	Chrysotile 7%
755-307		B101156	Black	Mastic	Chrysotile 5%
755-308		B101157	Green	Floor Tile	Chrysotile 7%
755-309		B101158	Black	Mastic	Chrysotile 5%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Tecumseh Plant - New Holstein; 180-755 **LAB CODE:** B188268

JM

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-310		B101159	White	Ceiling Tile	None Detected
755-311		B101160	White	Ceiling Tile	None Detected
755-312		B101161	Brown	Baseboard	None Detected
755-313		B101162	Tan	Adhesive	None Detected
755-314		B101163	Brown	Baseboard	None Detected
755-315		B101164	Tan	Adhesive	None Detected
755-316		B101165	Green	Floor Tile	Chrysotile 7%
755-317		B101166	Black	Mastic	Chrysotile 5%
755-318		B101167	Green	Floor Tile	Chrysotile 7%
755-319		B101168	Black	Mastic	Chrysotile 5%
755-320		B101169	White	Drywall	None Detected
755-321		B101170	White	Joint Compound	None Detected
755-322		B101171		Sample Not Analyzed per COC	
755-323		B101172	White	Drywall	None Detected
755-324		B101173	White	Joint Compound	None Detected
755-325		B101174		Sample Not Analyzed per COC	
755-326		B101175	White	Ceiling Tile	None Detected
755-327		B101176	White	Ceiling Tile	None Detected
755-328		B101177	Gray	Caulking	None Detected
755-329		B101178	Gray	Caulking	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-188 B101037	Ceiling Tile	Heterogeneous	25%	Cellulose	30%	Binder	None Detected
		White	15%	Fiberglass	25%	Perlite	
		Fibrous			5%	Paint	
		Bound					
755-189 B101038	Ceiling Tile	Heterogeneous	25%	Cellulose	30%	Binder	None Detected
		White	15%	Fiberglass	25%	Perlite	
		Fibrous			5%	Paint	
		Bound					
755-190 B101039	Floor Tile	Heterogeneous			60%	Vinyl	None Detected
		Gray			40%	Binder	
		Non-fibrous					
		Bound					
755-191 B101040	Mastic	Heterogeneous			100%	Mastic	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-192 B101041	Floor Tile	Heterogeneous			60%	Vinyl	None Detected
		Gray			40%	Binder	
		Non-fibrous					
		Bound					
755-193 B101042	Mastic	Heterogeneous			100%	Mastic	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-194 B101043	Drywall Ceiling Tile	Heterogeneous	10%	Cellulose	60%	Gypsum	None Detected
		White	5%	Fiberglass	25%	Binder	
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
755-195 B101044	Drywall Ceiling Tile	Heterogeneous	10%	Cellulose	60%	None Detected
		White Fibrous Bound	5%	Fiberglass	25%	
755-196 B101045	Baseboard	Heterogeneous			100%	None Detected
		Gray Non-fibrous Bound			Vinyl	
755-197 B101046	Adhesive	Heterogeneous			80%	None Detected
		Tan Non-fibrous Bound			20%	
755-198 B101047	Baseboard	Heterogeneous			100%	None Detected
		Gray Non-fibrous Bound			Vinyl	
755-199 B101048	Adhesive	Heterogeneous			80%	None Detected
		Tan Non-fibrous Bound			20%	
755-200 B101049	Adhesive	Heterogeneous			100%	None Detected
		Tan Non-fibrous Bound			Binder	
755-201 B101050	Adhesive	Heterogeneous			100%	None Detected
		Tan Non-fibrous Bound			Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous			Non-Fibrous	
755-202 B101051	Caulking	Heterogeneous Brown Non-fibrous Bound	100%	Caulk			None Detected
755-203 B101052	Caulking	Heterogeneous Clear Non-fibrous Bound	100%	Caulk			None Detected
755-204 B101053	Adhesive	Heterogeneous Tan Non-fibrous Bound	80%	Mastic			None Detected
			20%	Binder			
755-205 B101054	Adhesive	Heterogeneous Tan Non-fibrous Bound	80%	Mastic			None Detected
			20%	Binder			
755-206 B101055	Terrazzo	Heterogeneous Tan Non-fibrous Tightly Bound	80%	Silicates			None Detected
			20%	Binder			
755-207 B101056	Terrazzo	Heterogeneous Tan Non-fibrous Tightly Bound	80%	Silicates			None Detected
			20%	Binder			
755-208 B101057	Ceiling Tile	Heterogeneous White Fibrous Bound	25%	Cellulose	30%	Binder	None Detected
			15%	Fiberglass	25%	Perlite	
					5%	Paint	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-209 B101058	Ceiling Tile	Heterogeneous	25%	Cellulose	30%	Binder	None Detected
		White	15%	Fiberglass	25%	Perlite	
		Fibrous			5%	Paint	
		Bound					
755-210 B101059	Baseboard	Heterogeneous			100%	Vinyl	None Detected
		Tan					
		Non-fibrous					
755-211 B101060	Adhesive	Heterogeneous			100%	Mastic	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-212 B101061	Baseboard	Heterogeneous			100%	Vinyl	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-213 B101062	Adhesive	Heterogeneous			100%	Mastic	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-214 B101063	Drywall	Heterogeneous	15%	Cellulose	60%	Gypsum	None Detected
		White			25%	Binder	
		Fibrous					
		Bound					
755-215 B101064	Joint Compound	Heterogeneous			60%	Calc Carb	None Detected
		White			35%	Binder	
		Non-fibrous			5%	Paint	
		Bound					
755-216 B101065	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-217 B101066	Drywall	Heterogeneous White Fibrous Bound	15% Cellulose	60% Gypsum 25% Binder	None Detected
755-218 B101067	Joint Compound	Heterogeneous White Non-fibrous Bound		60% Calc Carb 35% Binder 5% Paint	None Detected
755-219 B101068	Sample Not Analyzed per COC				
755-220 B101069	Floor Tile	Heterogeneous Tan Non-fibrous Bound		60% Vinyl 40% Binder	None Detected
755-221 B101070	Mastic	Heterogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
755-222 B101071	Floor Tile	Heterogeneous Tan Non-fibrous Bound		60% Vinyl 40% Binder	None Detected
755-223 B101072	Mastic	Heterogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
755-224 B101073	Adhesive	Heterogeneous Brown Non-fibrous Bound		100% Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-225 B101074	Adhesive	Heterogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected
755-226 B101075	Floor Tile	Heterogeneous Beige Non-fibrous Bound	60% 40%	Vinyl Binder	None Detected
755-227 B101076	Adhesive	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-228 B101077	Floor Tile	Heterogeneous Beige Non-fibrous Bound	60% 40%	Vinyl Binder	None Detected
755-229 B101078	Adhesive	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-230 B101079	Caulking	Heterogeneous White Non-fibrous Bound	80% 20%	Caulk Binder	None Detected
755-231 B101080	Caulking	Heterogeneous White Non-fibrous Bound	80% 20%	Caulk Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-232 B101081	Caulking	Heterogeneous Gray Non-fibrous Bound	80% Caulk		20% Binder		None Detected
			80% Caulk		20% Binder		
755-233 B101082	Caulking	Heterogeneous Gray Non-fibrous Bound	80% Caulk		20% Binder		None Detected
			80% Caulk		20% Binder		
755-234 B101083	Ceiling Tile	Heterogeneous White Fibrous Bound	25% Cellulose	30% Binder	None Detected		
			15% Fiberglass	25% Perlite			
				5% Paint			
755-235 B101084	Ceiling Tile	Heterogeneous White Fibrous Bound	25% Cellulose	30% Binder	None Detected		
			15% Fiberglass	25% Perlite			
				5% Paint			
755-236 B101085	Ceiling Tile	Heterogeneous White Fibrous Bound	25% Cellulose	30% Binder	None Detected		
			15% Fiberglass	25% Perlite			
				5% Paint			
755-237 B101086	Ceiling Tile	Heterogeneous White Fibrous Bound	25% Cellulose	30% Binder	None Detected		
			15% Fiberglass	25% Perlite			
				5% Paint			
755-238 B101087	Floor Tile	Heterogeneous Gray Non-fibrous Bound	60% Vinyl		None Detected		
			40% Binder				

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-239 B101088	Adhesive	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-240 B101089	Floor Tile	Heterogeneous Gray Non-fibrous Bound	60% 40%	Vinyl Binder	None Detected
755-241 B101090	Adhesive	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-242 B101091	Carpet Adhesive	Heterogeneous Tan Fibrous Bound	<1%	Synthetic Fiber 100%	Mastic None Detected
755-243 B101092	Carpet Adhesive	Heterogeneous Tan Fibrous Bound	<1%	Synthetic Fiber 100%	Mastic None Detected
755-244 B101093	Wall Tile	Heterogeneous White Fibrous Bound	100%	Cellulose	None Detected
755-245 B101094	Adhesive	Heterogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous				
				Non-Fibrous			
755-246 B101095	Wall Tile	Heterogeneous White Fibrous Bound	100%	Cellulose			None Detected
755-247 B101096	Adhesive	Heterogeneous Brown Non-fibrous Bound		100%	Mastic		None Detected
755-248 B101097	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	60%	Gypsum Binder	None Detected
755-249 B101098	Joint Compound	Heterogeneous White Non-fibrous Bound			65%	Calc Carb Binder	None Detected
755-250 B101099	Sample Not Analyzed per COC						
755-251 B101100	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	60%	Gypsum Binder	None Detected
755-252 B101101	Joint Compound	Heterogeneous White Non-fibrous Bound			65%	Calc Carb Binder	None Detected
755-253 B101102	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
755-254 B101103	Baseboard	Homogeneous Gray Non-fibrous Bound	100%	Vinyl		None Detected
755-255 B101104	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected
755-256 B101105	Baseboard	Homogeneous Gray Non-fibrous Bound	100%	Vinyl		None Detected
755-257 B101106	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected
755-258 B101107	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	60% 25%	Gypsum Binder None Detected
755-259 B101108	Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose	60% 25%	Gypsum Binder None Detected
755-260 B101109	Sample Not Analyzed per COC					
755-261 B101110	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	60% 25%	Gypsum Binder None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-262 B101111	Joint Compound	Heterogeneous White Fibrous Bound	15% Cellulose	60% Gypsum 25% Binder	None Detected
755-263 B101112	Sample Not Analyzed per COC				
755-264 B101113	Baseboard	Heterogeneous Brown Non-fibrous Bound		100% Vinyl	None Detected
755-265 Layer 1 B101114	Adhesive	Heterogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
Layer 2 B101114	Mud	Heterogeneous White Non-fibrous Bound		70% Calc Carb 30% Binder	None Detected
755-266 B101115	Baseboard	Heterogeneous Brown Non-fibrous Bound		100% Vinyl	None Detected
755-267 Layer 1 B101116	Adhesive	Heterogeneous Tan Non-fibrous Bound		100% Mastic	None Detected
Layer 2 B101116	Mud	Heterogeneous White Non-fibrous Bound		70% Calc Carb 30% Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-268 B101117	Floor Tile	Heterogeneous Tan Non-fibrous Bound		60% 40%	Vinyl Binder		None Detected
755-269 B101118	Adhesive	Heterogeneous Black Non-fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
755-270 B101119	Floor Tile	Heterogeneous Tan Non-fibrous Bound		60% 40%	Vinyl Binder		None Detected
755-271 B101120	Adhesive	Heterogeneous Black Non-fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
755-272 B101121	Floor Tile	Heterogeneous Gray Non-fibrous Bound		60% 40%	Vinyl Binder		None Detected
755-273 B101122	Adhesive	Heterogeneous Tan Non-fibrous Bound		100%	Mastic		None Detected
755-274 B101123	Floor Tile	Heterogeneous Gray Non-fibrous Bound		60% 40%	Vinyl Binder		None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-275 B101124	Adhesive	Heterogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-276 B101125	Ceiling Tile	Heterogeneous White Fibrous Bound	25%	Cellulose	30%	Binder	None Detected
			15%	Fiberglass	25%	Perlite	
					5%	Paint	
755-277 B101126	Ceiling Tile	Heterogeneous White Fibrous Bound	25%	Cellulose	30%	Binder	None Detected
			15%	Fiberglass	25%	Perlite	
					5%	Paint	
755-278 B101127	Adhesive	Heterogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-279 B101128	Adhesive	Heterogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-280 B101129	Terrazzo	Heterogeneous Tan Non-fibrous Tightly Bound			80%	Silicates	None Detected
					20%	Binder	
755-281 B101130	Terrazzo	Heterogeneous Tan Non-fibrous Tightly Bound			80%	Silicates	None Detected
					20%	Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
755-282 B101131	Floor Tile	Heterogeneous Gray Non-fibrous Bound	60%	Vinyl	None Detected	
			40%	Binder		
755-283 B101132	Adhesive	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected	
755-284 B101133	Floor Tile	Heterogeneous Gray Non-fibrous Bound	60%	Vinyl	None Detected	
			40%	Binder		
755-285 B101134	Adhesive	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected	
755-286 B101135	Drywall Ceiling Tile	Heterogeneous White Fibrous Bound	10%	Cellulose	None Detected	
			5%	Fiberglass		
755-287 B101136	Drywall Ceiling Tile	Heterogeneous White Fibrous Bound	10%	Cellulose	None Detected	
			5%	Fiberglass		
755-288 B101137	Ceramic Baseboard	Heterogeneous Tan Non-fibrous Tightly Bound	80%	Binder	None Detected	
			20%	Silicates		

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-289 B101138	Mortar	Heterogeneous Gray Non-fibrous Tightly Bound	80% 20%	Silicates Binder	None Detected
755-290 B101139	Ceramic Baseboard	Heterogeneous Tan Non-fibrous Tightly Bound	80% 20%	Binder Silicates	None Detected
755-291 B101140	Mortar	Heterogeneous Gray Non-fibrous Tightly Bound	80% 20%	Silicates Binder	None Detected
755-292 B101141	Adhesive	Heterogeneous Tan Non-fibrous Bound	80% 20%	Mastic Binder	None Detected
755-293 B101142	Adhesive	Heterogeneous Tan Non-fibrous Bound	80% 20%	Mastic Binder	None Detected
755-294 B101143	Adhesive	Heterogeneous Tan Non-fibrous Bound	80% 20%	Mastic Binder	None Detected
755-295 B101144	Adhesive	Heterogeneous Tan Non-fibrous Bound	80% 20%	Mastic Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-296 B101145	Window Glazing	Heterogeneous White Non-fibrous Bound	65%	Calc Carb 33% Binder	2% Chrysotile
755-297 B101146	Window Glazing	Heterogeneous White Non-fibrous Bound	65%	Calc Carb 28% Binder	7% Chrysotile
755-298 B101147	Floor Tile	Heterogeneous Tan Non-fibrous Bound	60%	Vinyl 40% Binder	None Detected
755-299 B101148	Mastic	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-300 B101149	Floor Tile	Heterogeneous Tan Non-fibrous Bound	60%	Vinyl 40% Binder	None Detected
755-301 B101150	Mastic	Heterogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-302 B101151	Caulking	Heterogeneous Gray Fibrous Bound	5%	Fiberglass 95% Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-303 B101152	Caulking	Heterogeneous Gray Fibrous Bound	5%	Fiberglass	95%	Binder	None Detected
755-304 B101153	Caulking	Heterogeneous Gray Fibrous Bound			100%	Binder	None Detected
755-305 B101154	Caulking	Heterogeneous Gray Fibrous Bound			100%	Binder	None Detected
755-306 B101155	Floor Tile	Heterogeneous Green Non-fibrous Bound			60%	Vinyl 33% Binder	7% Chrysotile
755-307 B101156	Mastic	Heterogeneous Black Non-fibrous Bound			95%	Mastic	5% Chrysotile
755-308 B101157	Floor Tile	Heterogeneous Green Non-fibrous Bound			60%	Vinyl 33% Binder	7% Chrysotile
755-309 B101158	Mastic	Heterogeneous Black Non-fibrous Bound			95%	Mastic	5% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-310 B101159	Ceiling Tile	Heterogeneous	25%	Cellulose	30%	Binder	None Detected
		White	15%	Fiberglass	25%	Perlite	
		Fibrous			5%	Paint	
		Bound					
755-311 B101160	Ceiling Tile	Heterogeneous	25%	Cellulose	30%	Binder	None Detected
		White	15%	Fiberglass	25%	Perlite	
		Fibrous			5%	Paint	
		Bound					
755-312 B101161	Baseboard	Heterogeneous			100%	Vinyl	None Detected
		Brown					
		Non-fibrous					
		Bound					
755-313 B101162	Adhesive	Heterogeneous	10%	Talc	90%	Mastic	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-314 B101163	Baseboard	Heterogeneous			100%	Vinyl	None Detected
		Brown					
		Non-fibrous					
		Bound					
755-315 B101164	Adhesive	Heterogeneous	10%	Talc	90%	Mastic	None Detected
		Tan					
		Non-fibrous					
		Bound					
755-316 B101165	Floor Tile	Heterogeneous			60%	Vinyl	7% Chrysotile
		Green			33%	Binder	
		Non-fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
755-317 B101166	Mastic	Heterogeneous Black Non-fibrous Bound	95%	Mastic		5% Chrysotile
755-318 B101167	Floor Tile	Heterogeneous Green Non-fibrous Bound	60%	Vinyl Binder	33%	7% Chrysotile
755-319 B101168	Mastic	Heterogeneous Black Non-fibrous Bound	95%	Mastic		5% Chrysotile
755-320 B101169	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose Gypsum Binder	60% 25%	None Detected
755-321 B101170	Joint Compound	Heterogeneous White Non-fibrous Bound	65%	Calc Carb Binder	35%	None Detected
755-322 B101171	Sample Not Analyzed per COC					
755-323 B101172	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose Gypsum Binder	60% 25%	None Detected
755-324 B101173	Joint Compound	Heterogeneous White Non-fibrous Bound	65%	Calc Carb Binder	35%	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188268
Date Received: 09-07-18
Date Analyzed: 09-11-18
Date Reported: 09-11-18

Project: Tecumseh Plant - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-325 B101174	Sample Not Analyzed per COC						
755-326 B101175	Ceiling Tile	Heterogeneous White Fibrous Bound	25%	Cellulose	30%	Binder	None Detected
			15%	Fiberglass	25%	Perlite	
					5%	Paint	
755-327 B101176	Ceiling Tile	Heterogeneous White Fibrous Bound	25%	Cellulose	30%	Binder	None Detected
			15%	Fiberglass	25%	Perlite	
					5%	Paint	
755-328 B101177	Caulking	Heterogeneous Gray Non-fibrous Bound			100%	Binder	None Detected
755-329 B101178	Caulking	Heterogeneous Gray Non-fibrous Bound			100%	Binder	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

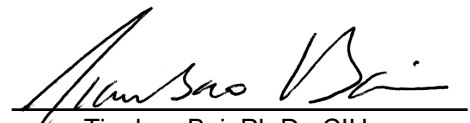
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: _____


Kyle Demsko

APPROVED BY: _____


Tianbao Bai, Ph.D., CIH
Laboratory Director



107 New Edition Court, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	B188268 (2) (142)
CEI Lab I.D. Range:	B101037 - B101178

COMPANY CONTACT INFORMATION	
Company: NorthStar Environmental Testing	Client #: 25143
Address: 1006 Western Avenue	Job Contact: Aaron Stroud
Mosinee, WI 54455	Email: info@northstartesting.com
	Tel: (715) 693-6112
Project Name: Tecumseh - New Holstein	Fax: (715) 693-1225
Project ID #: 180-755 Jm	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA Level II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: see attached sample log in sheet		<input checked="" type="checkbox"/> Accept Samples
see attached sample log in sheet		<input type="checkbox"/> Reject Samples
Relinquished By:	Date/Time	Received By:
Jason Motkowsh	9/6/18	CS 9/7/18 9:30

* Call to confirm RUSH analysis. Samples will be disposed of 30 days after analysis

September 18, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh, New Holstein; 180-755 Jm
CEI LAB CODE: A1810466

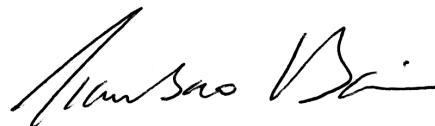
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 11, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/18/18

TOTAL SAMPLES ANALYZED: 138

SAMPLES >1% ASBESTOS: 24

PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-330		A106028	Tan	Window Caulking	None Detected
755-331		A106029	Tan	Window Caulking	None Detected
755-332		A106030	White	Ceiling Tile	None Detected
755-333		A106031	White	Ceiling Tile	None Detected
755-334		A106032	Green	Baseboard	None Detected
755-335		A106033	Tan	Adhesive	None Detected
755-336		A106034	Green	Baseboard	None Detected
755-337		A106035	Tan	Adhesive	None Detected
755-338	Layer 1	A106036	Tan	Adhesive	None Detected
	Layer 2	A106036	Tan	Ceramic Tile	None Detected
755-339	Layer 1	A106037	White	Thinset	None Detected
	Layer 2	A106037	Black	Adhesive	Chrysotile 3%
755-340		A106038	Tan	Ceramic Tile	None Detected
755-341	Layer 1	A106039	White	Thinset	None Detected
	Layer 2	A106039	Black	Adhesive	Chrysotile 3%
755-342		A106040	Brown,White	Tile	None Detected
755-343		A106041	Tan	Adhesive	None Detected
755-344		A106042	Brown,White	Tile	None Detected
755-345		A106043	Tan	Adhesive	None Detected
755-346		A106044	White	Ceramic Tile	None Detected
755-347		A106045	Tan	Adhesive	None Detected
755-348		A106046	White	Ceramic Tile	None Detected
755-349		A106047	Tan	Adhesive	None Detected
755-350		A106048	White	Drywall	None Detected
755-351		A106049	White	Drywall	None Detected
755-352		A106050	Black,Brown	Baseboard	None Detected
755-353		A106051	Tan	Adhesive	None Detected
755-354		A106052	Black,Brown	Baseboard	None Detected
755-355		A106053	Tan	Adhesive	None Detected
755-356		A106054	White	Ceiling Tile	None Detected
755-357		A106055	White	Ceiling Tile	None Detected

PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-358		A106056	Blue	Baseboard	None Detected
755-359		A106057	Tan	Adhesive	None Detected
755-360		A106058	Blue	Baseboard	None Detected
755-361		A106059	Tan	Adhesive	None Detected
755-361		A106059	Tan	Adhesive	None Detected
755-362		A106060	Tan	Floor Tile	Chrysotile 5%
755-363		A106061	Black	Adhesive	Chrysotile 3%
755-364		A106062	Tan	Floor Tile	Chrysotile 5%
755-365		A106063	Black	Adhesive	Chrysotile 3%
755-366		A106064	Tan	Sheet Vinyl	None Detected
755-367		A106065	Tan	Sheet Vinyl	None Detected
755-368		A106066	Tan	Floor Tile	None Detected
755-369		A106067	Black	Adhesive	None Detected
755-370		A106068	Tan	Floor Tile	None Detected
755-371		A106069	Black	Adhesive	None Detected
755-372		A106070	Black	Window Caulking	None Detected
755-373		A106071	Black	Window Caulking	None Detected
755-374		A106072	Tan	Wall Panel	None Detected
755-375		A106073	Tan	Adhesive	None Detected
755-376		A106074	Tan	Wall Panel	None Detected
755-377		A106075	Tan	Adhesive	None Detected
755-378		A106076	Black,Brown	Felt Pipe Fitting	None Detected
755-379		A106077	Black,Brown	Felt Pipe Fitting	None Detected
755-380		A106078	White	Pipe Wrap	Chrysotile 20%
755-381		A106079	White	Pipe Wrap	Chrysotile 20%
755-382		A106080	Tan	Adhesive	None Detected
755-383		A106081	Tan	Adhesive	None Detected
755-384		A106082	White	Drywall	None Detected
755-385		A106083	White	Joint Compound	None Detected
755-386		A106084		Sample Not Analyzed per COC	
755-387		A106085	White	Drywall	None Detected

PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-388		A106086	White	Joint Compound	None Detected
755-389		A106087		Sample Not Analyzed per COC	
755-390		A106088	Green	Floor Tile	None Detected
755-391		A106089	Tan	Adhesive	None Detected
755-392		A106090	Green	Floor Tile	None Detected
755-393		A106091	Tan	Adhesive	None Detected
755-394		A106092	Off-white,Red	Wall Tile	None Detected
755-395		A106093	Brown	Adhesive	None Detected
755-396		A106094	Off-white,Red	Wall Tile	None Detected
755-397		A106095	Brown	Adhesive	None Detected
755-398		A106096	Brown	Adhesive	Chrysotile <1%
755-399		A106097	Brown	Adhesive	Chrysotile <1%
755-400		A106098	Off-white	Window Glazing	None Detected
755-401		A106099	Off-white	Window Glazing	None Detected
755-402		A106100	Brown	Spray-on Fireproofing	None Detected
755-403		A106101	Brown	Spray-on Fireproofing	None Detected
755-404		A106102	Tan,Red	Ceramic Baseboard	None Detected
755-405		A106103	Tan,Yellow	Adhesive	Chrysotile 3%
755-406		A106104	Tan,Red	Ceramic Baseboard	None Detected
755-407		A106105	Tan,Yellow	Adhesive	Chrysotile 3%
755-408		A106106	Black,Gray	Concrete Overlay	None Detected
755-409		A106107	Black,Gray	Concrete Overlay	None Detected
755-410		A106108	Tan	Floor Tile	None Detected
755-411		A106109	Tan,Clear	Adhesive	None Detected
755-412		A106110	Tan	Floor Tile	None Detected
755-413		A106111	Tan,Clear	Adhesive	None Detected
755-414		A106112	Gray	Floor Tile	None Detected
755-415		A106113	Tan,Clear	Adhesive	None Detected
755-416		A106114	Gray	Floor Tile	None Detected
755-417		A106115	Tan,Clear	Adhesive	None Detected
755-418		A106116	Tan	Sheet Vinyl	None Detected

PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-419		A106117	Tan	Sheet Vinyl	None Detected
755-420		A106118	Gold	Vermiculite Insulation	None Detected
755-421		A106119	Gold	Vermiculite Insulation	None Detected
755-422		A106120	Gold	Vermiculite Insulation	None Detected
755-423		A106121	Gold	Vermiculite Insulation	None Detected
755-424		A106122	White,Gray	Door Caulk	None Detected
755-425		A106123	White,Gray	Door Caulk	None Detected
755-426		A106124	White	Ceiling Tile	None Detected
755-427		A106125	Brown	Adhesive	Chrysotile 2%
755-428		A106126	White	Ceiling Tile	None Detected
755-429		A106127	Brown	Adhesive	Chrysotile 2%
755-430		A106128	Tan	Floor Tile	None Detected
755-431		A106129	Tan	Adhesive	None Detected
755-432		A106130	Tan	Floor Tile	None Detected
755-433		A106131	Tan	Adhesive	None Detected
755-434		A106132	Gray,Blue	Window Glazing	Chrysotile 3%
755-435		A106133	Gray,Blue	Window Glazing	Chrysotile 3%
755-436		A106134	White	Pipe Fitting	None Detected
755-437		A106135	White	Pipe Fitting	None Detected
755-438		A106136	White	Seam Caulk	None Detected
755-439		A106137	White	Seam Caulk	None Detected
755-440	Layer 1	A106138	White	Window Glazing	Chrysotile 15%
	Layer 2	A106138	Black,Silver	Window Glazing	Chrysotile 10%
755-441	Layer 1	A106139	White	Window Glazing	Chrysotile 15%
	Layer 2	A106139	Black,Silver	Window Glazing	Chrysotile 10%
755-442		A106140	Black	Tar Layer	None Detected
755-443		A106141	Black	Tar Layer	None Detected
755-444		A106142	Black	Vapor Barrier	Chrysotile <1%
755-445		A106143	Black	Vapor Barrier	Chrysotile <1%
755-446		A106144	White,Gray	Transite	Chrysotile 15%
755-447		A106145	White,Gray	Transite	Chrysotile 15%

PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-448		A106146	White	Window Glazing	Chrysotile <1%
755-449		A106147	White	Window Glazing	Chrysotile <1%
755-450		A106148	Brown	Vent Caulk	Chrysotile 2%
755-451		A106149	Brown	Vent Caulk	Chrysotile 2%
755-452		A106150	White	Window Glazing	None Detected
755-453		A106151	White	Window Glazing	None Detected
755-454		A106152	Gray	Window Glazing	Chrysotile 10%
755-455		A106153	Gray	Window Glazing	Chrysotile 10%
755-456		A106154	White	Window Glazing	None Detected
755-457		A106155	White	Window Glazing	None Detected
755-458		A106156	White	Seam Caulk	None Detected
755-459		A106157	White	Seam Caulk	None Detected
755-460		A106158	White	Door Caulk	None Detected
755-461		A106159	White	Door Caulk	None Detected
755-462		A106160	White	Seam Caulk	None Detected
755-463		A106161	White	Seam Caulk	None Detected
755-464		A106162	Clear	Seam Caulk	None Detected
755-465		A106163	Clear	Seam Caulk	None Detected
755-466		A106164	Gray	Seam Caulk	None Detected
755-467		A106165	Gray	Seam Caulk	None Detected
755-468		A106166	Gray, Tan	Door Caulk	None Detected
755-469		A106167	Gray, Tan	Door Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-330 A106028	Window Caulking	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
755-331 A106029	Window Caulking	Homogeneous Tan Non-fibrous Bound			100%	Caulk	None Detected
755-332 A106030	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50%	Cellulose	25%	Perlite	None Detected
			20%	Fiberglass	5%	Paint	
755-333 A106031	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50%	Cellulose	25%	Perlite	None Detected
			20%	Fiberglass	5%	Paint	
755-334 A106032	Baseboard	Homogeneous Green Non-fibrous Bound			100%	Vinyl	None Detected
755-335 A106033	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-336 A106034	Baseboard	Homogeneous Green Non-fibrous Bound			100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-337 A106035	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
755-338 Layer 1 A106036	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 A106036	Ceramic Tile	Homogeneous Tan Non-fibrous Tightly Bound	85%	Silicates 15% Binder	None Detected
755-339 Layer 1 A106037	Thinset	Homogeneous White Non-fibrous Bound	30%	Binder 70% Silicates	None Detected
Layer 2 A106037	Adhesive	Homogeneous Black Non-fibrous Bound	97%	Mastic	3% Chrysotile
755-340 A106038	Ceramic Tile	Homogeneous Tan Non-fibrous Tightly Bound	85%	Silicates 15% Binder	None Detected
755-341 Layer 1 A106039	Thinset	Homogeneous White Non-fibrous Bound	30%	Binder 70% Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A106039	Adhesive	Homogeneous Black Non-fibrous Bound	97%	Mastic	3% Chrysotile
755-342 A106040	Tile	Homogeneous Brown,White Non-fibrous Tightly Bound	85% 15%	Silicates Binder	None Detected
755-343 A106041	Adhesive	Homogeneous Tan Non-fibrous Bound	30% 70%	Binder Silicates	None Detected
755-344 A106042	Tile	Homogeneous Brown,White Non-fibrous Tightly Bound	85% 15%	Silicates Binder	None Detected
755-345 A106043	Adhesive	Homogeneous Tan Non-fibrous Bound	30% 70%	Binder Silicates	None Detected
755-346 A106044	Ceramic Tile	Homogeneous White Non-fibrous Tightly Bound	85% 15%	Silicates Binder	None Detected
755-347 A106045	Adhesive	Homogeneous Tan Non-fibrous Bound	30% 70%	Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
755-348 A106046	Ceramic Tile	Homogeneous White Non-fibrous Tightly Bound	85%	Silicates	15%	Binder	None Detected
755-349 A106047	Adhesive	Homogeneous Tan Non-fibrous Bound	30%	Binder	70%	Silicates	None Detected
755-350 A106048	Drywall	Heterogeneous White Fibrous Loosely Bound	10%	Cellulose	90%	Gypsum	None Detected
755-351 A106049	Drywall	Heterogeneous White Fibrous Loosely Bound	10%	Cellulose	90%	Gypsum	None Detected
755-352 A106050	Baseboard	Homogeneous Black,Brown Non-fibrous Bound	100%	Vinyl			None Detected
755-353 A106051	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic			None Detected
755-354 A106052	Baseboard	Homogeneous Black,Brown Non-fibrous Bound	100%	Vinyl			None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-355 A106053	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
755-356 A106054	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50%	Cellulose	25%	Perlite	None Detected
			20%	Fiberglass	5%	Paint	
755-357 A106055	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50%	Cellulose	25%	Perlite	None Detected
			20%	Fiberglass	5%	Paint	
755-358 A106056	Baseboard	Homogeneous Blue Non-fibrous Bound	100%		Vinyl		None Detected
755-359 A106057	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
755-360 A106058	Baseboard	Homogeneous Blue Non-fibrous Bound	100%		Vinyl		None Detected
755-361 A106059	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-361 A106059	Adhesive	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected
755-362 A106060	Floor Tile	Homogeneous Tan Non-fibrous Bound	95%		Vinyl		5% Chrysotile
755-363 A106061	Adhesive	Homogeneous Black Non-fibrous Bound	97%		Mastic		3% Chrysotile
755-364 A106062	Floor Tile	Homogeneous Tan Non-fibrous Bound	95%		Vinyl		5% Chrysotile
755-365 A106063	Adhesive	Homogeneous Black Non-fibrous Bound	97%		Mastic		3% Chrysotile
755-366 A106064	Sheet Vinyl	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			10%	Fiberglass	30%	Binder	
755-367 A106065	Sheet Vinyl	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			10%	Fiberglass	30%	Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
755-368 A106066	Floor Tile	Homogeneous Tan Non-fibrous Bound	100%	Vinyl		None Detected	
755-369 A106067	Adhesive	Homogeneous Black Non-fibrous Bound	100%	Mastic		None Detected	
755-370 A106068	Floor Tile	Homogeneous Tan Non-fibrous Bound	100%	Vinyl		None Detected	
755-371 A106069	Adhesive	Homogeneous Black Non-fibrous Bound	100%	Mastic		None Detected	
755-372 A106070	Window Caulking	Homogeneous Black Non-fibrous Bound	100%	Binder		None Detected	
755-373 A106071	Window Caulking	Homogeneous Black Non-fibrous Bound	100%	Binder		None Detected	
755-374 A106072	Wall Panel	Homogeneous Tan Fibrous Loosely Bound	60%	Cellulose	20%	Perlite	None Detected
			15%	Fiberglass	5%	Paint	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-375 A106073	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-376 A106074	Wall Panel	Homogeneous Tan Fibrous Loosely Bound	60%	Cellulose	20%	Perlite	None Detected
			15%	Fiberglass	5%	Paint	
755-377 A106075	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
755-378 A106076	Felt Pipe Fitting	Heterogeneous Black,Brown Fibrous Loosely Bound	75%	Cellulose	22%	Binder	None Detected
					3%	Paint	
755-379 A106077	Felt Pipe Fitting	Heterogeneous Black,Brown Fibrous Loosely Bound	75%	Cellulose	22%	Binder	None Detected
					3%	Paint	
755-380 A106078	Pipe Wrap	Heterogeneous White Fibrous Bound			45%	Binder	20% Chrysotile
					30%	Mastic	
					5%	Paint	
755-381 A106079	Pipe Wrap	Heterogeneous White Fibrous Bound			45%	Binder	20% Chrysotile
					30%	Mastic	
					5%	Paint	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
755-382 A106080	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected	
755-383 A106081	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected	
755-384 A106082	Drywall	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	85%	Gypsum	None Detected
755-385 A106083	Joint Compound	Homogeneous White Fibrous Loosely Bound	5%	Cellulose	80%	Calc Carb Binder	None Detected
755-386 A106084	Sample Not Analyzed per COC						
755-387 A106085	Drywall	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	85%	Gypsum	None Detected
755-388 A106086	Joint Compound	Homogeneous White Fibrous Loosely Bound	5%	Cellulose	80%	Calc Carb Binder	None Detected
755-389 A106087	Sample Not Analyzed per COC						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
755-390 A106088	Floor Tile	Homogeneous Green Non-fibrous Bound	100%	Vinyl		None Detected
755-391 A106089	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected
755-392 A106090	Floor Tile	Homogeneous Green Non-fibrous Bound	100%	Vinyl		None Detected
755-393 A106091	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected
755-394 A106092	Wall Tile	Homogeneous Off-white,Red Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Binder None Detected
755-395 A106093	Adhesive	Homogeneous Brown Non-fibrous Bound	100%	Mastic		None Detected
755-396 A106094	Wall Tile	Homogeneous Off-white,Red Fibrous Loosely Bound	30% 50%	Cellulose Fiberglass	20%	Binder None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-397 A106095	Adhesive	Homogeneous Brown Non-fibrous Bound	100%	Mastic	None Detected
755-398 A106096	Adhesive	Homogeneous Brown Non-fibrous Bound	100%	Mastic	<1% Chrysotile
755-399 A106097	Adhesive	Homogeneous Brown Non-fibrous Bound	100%	Mastic	<1% Chrysotile
755-400 A106098	Window Glazing	Heterogeneous Off-white Non-fibrous Bound	40%	Binder 30% Silicates 30% Calc Carb	None Detected
755-401 A106099	Window Glazing	Heterogeneous Off-white Non-fibrous Bound	40%	Binder 30% Silicates 30% Calc Carb	None Detected
755-402 A106100	Spray-on Fireproofing	Heterogeneous Brown Fibrous Loosely Bound	85%	Cellulose 15% Binder	None Detected
755-403 A106101	Spray-on Fireproofing	Heterogeneous Brown Fibrous Loosely Bound	85%	Cellulose 15% Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-404 A106102	Ceramic Baseboard	Heterogeneous Tan,Red Non-fibrous Bound	15% 85%	Binder Silicates	None Detected
755-405 A106103	Adhesive	Homogeneous Tan, Yellow Non-fibrous Bound	97%	Mastic	3% Chrysotile
755-406 A106104	Ceramic Baseboard	Heterogeneous Tan,Red Non-fibrous Bound	15% 85%	Binder Silicates	None Detected
755-407 A106105	Adhesive	Homogeneous Tan, Yellow Non-fibrous Bound	97%	Mastic	3% Chrysotile
755-408 A106106	Concrete Overlay	Heterogeneous Black, Gray Non-fibrous Bound	40% 60%	Binder Silicates	None Detected
755-409 A106107	Concrete Overlay	Heterogeneous Black, Gray Non-fibrous Bound	40% 60%	Binder Silicates	None Detected
755-410 A106108	Floor Tile	Homogeneous Tan Non-fibrous Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-411 A106109	Adhesive	Homogeneous Tan,Clear Non-fibrous Bound	100%	Mastic	None Detected
755-412 A106110	Floor Tile	Homogeneous Tan Non-fibrous Bound	100%	Vinyl	None Detected
755-413 A106111	Adhesive	Homogeneous Tan,Clear Non-fibrous Bound	100%	Mastic	None Detected
755-414 A106112	Floor Tile	Homogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected
755-415 A106113	Adhesive	Homogeneous Tan,Clear Non-fibrous Bound	100%	Mastic	None Detected
755-416 A106114	Floor Tile	Homogeneous Gray Non-fibrous Bound	100%	Vinyl	None Detected
755-417 A106115	Adhesive	Homogeneous Tan,Clear Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-418 A106116	Sheet Vinyl	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			10%	Fiberglass	30%	Binder	
755-419 A106117	Sheet Vinyl	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			10%	Fiberglass	30%	Binder	
755-420 A106118	Vermiculite Insulation	Homogeneous Gold Non-fibrous Loose			100%	Vermiculite	None Detected
755-421 A106119	Vermiculite Insulation	Homogeneous Gold Non-fibrous Loose			100%	Vermiculite	None Detected
755-422 A106120	Vermiculite Insulation	Homogeneous Gold Non-fibrous Loose			100%	Vermiculite	None Detected
755-423 A106121	Vermiculite Insulation	Homogeneous Gold Non-fibrous Loose			100%	Vermiculite	None Detected
755-424 A106122	Door Caulk	Homogeneous White, Gray Non-fibrous Bound			100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
755-425 A106123	Door Caulk	Homogeneous White, Gray Non-fibrous Bound	100%	Caulk		None Detected	
755-426 A106124	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	75% 10%	Fiberglass Cellulose	5% 10%	Paint Binder	None Detected
755-427 A106125	Adhesive	Heterogeneous Brown Non-fibrous Loosely Bound	98%	Mastic		2% Chrysotile	
755-428 A106126	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	75% 10%	Fiberglass Cellulose	5% 10%	Paint Binder	None Detected
755-429 A106127	Adhesive	Heterogeneous Brown Non-fibrous Loosely Bound	98%	Mastic		2% Chrysotile	
755-430 A106128	Floor Tile	Homogeneous Tan Non-fibrous Bound	100%	Vinyl		None Detected	
755-431 A106129	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
755-432 A106130	Floor Tile	Homogeneous Tan Non-fibrous Bound	100%	Vinyl		None Detected	
755-433 A106131	Adhesive	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected	
755-434 A106132	Window Glazing	Heterogeneous Gray,Blue Non-fibrous Bound	37%	Binder		3% Chrysotile	
			30%	Silicates			
			30%	Calc Carb			
755-435 A106133	Window Glazing	Heterogeneous Gray,Blue Non-fibrous Bound	37%	Binder		3% Chrysotile	
			30%	Silicates			
			30%	Calc Carb			
755-436 A106134	Pipe Fitting	Heterogeneous White Fibrous Loosely Bound	65%	Fiberglass	25%	Binder	None Detected
			10%	Cellulose			
755-437 A106135	Pipe Fitting	Heterogeneous White Fibrous Loosely Bound	65%	Fiberglass	25%	Binder	None Detected
			10%	Cellulose			
755-438 A106136	Seam Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk		None Detected	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
755-439 A106137	Seam Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk		None Detected	
755-440 Layer 1 A106138	Window Glazing	Heterogeneous White Fibrous Bound	50% 35%	Binder Calc Carb		15% Chrysotile	
Layer 2 A106138	Window Glazing	Heterogeneous Black,Silver Fibrous Bound	65% 25%	Tar Paint		10% Chrysotile	
755-441 Layer 1 A106139	Window Glazing	Heterogeneous White Fibrous Bound	50% 35%	Binder Calc Carb		15% Chrysotile	
Layer 2 A106139	Window Glazing	Heterogeneous Black,Silver Fibrous Bound	65% 25%	Tar Paint		10% Chrysotile	
755-442 A106140	Tar Layer	Heterogeneous Black Fibrous Bound	25% 10%	Cellulose Synthetic Fiber	60% 5%	Tar Mica	None Detected
755-443 A106141	Tar Layer	Heterogeneous Black Fibrous Bound	25% 10%	Cellulose Synthetic Fiber	60% 5%	Tar Mica	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-444 A106142	Vapor Barrier	Heterogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	<1% Chrysotile
755-445 A106143	Vapor Barrier	Heterogeneous Black Fibrous Bound	65%	Cellulose	35%	Tar	<1% Chrysotile
755-446 A106144	Transite	Heterogeneous White, Gray Fibrous Bound			60%	Silicates	15% Chrysotile
					25%	Binder	
755-447 A106145	Transite	Heterogeneous White, Gray Fibrous Bound			60%	Silicates	15% Chrysotile
					25%	Binder	
755-448 A106146	Window Glazing	Heterogeneous White Non-fibrous Bound			35%	Silicates	<1% Chrysotile
					40%	Binder	
					25%	Calc Carb	
755-449 A106147	Window Glazing	Heterogeneous White Non-fibrous Bound			35%	Silicates	<1% Chrysotile
					40%	Binder	
					25%	Calc Carb	
755-450 A106148	Vent Caulk	Heterogeneous Brown Non-fibrous Bound			30%	Calc Carb	2% Chrysotile
					68%	Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-451 A106149	Vent Caulk	Heterogeneous Brown Non-fibrous Bound	30% 68%	Calc Carb Binder	2% Chrysotile
755-452 A106150	Window Glazing	Heterogeneous White Non-fibrous Bound	80% 20%	Caulk Binder	None Detected
755-453 A106151	Window Glazing	Heterogeneous White Non-fibrous Bound	80% 20%	Caulk Binder	None Detected
755-454 A106152	Window Glazing	Heterogeneous Gray Fibrous Bound	80% 20%	Caulk Binder	10% Chrysotile
755-455 A106153	Window Glazing	Heterogeneous Gray Fibrous Bound	80% 20%	Caulk Binder	10% Chrysotile
755-456 A106154	Window Glazing	Heterogeneous White Non-fibrous Bound	80% 20%	Caulk Binder	None Detected
755-457 A106155	Window Glazing	Heterogeneous White Non-fibrous Bound	80% 20%	Caulk Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-458 A106156	Seam Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
755-459 A106157	Seam Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
755-460 A106158	Door Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
755-461 A106159	Door Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
755-462 A106160	Seam Caulk	Homogeneous White Non-fibrous Bound	40% 30% 30%	Binder Calc Carb Silicates	None Detected
755-463 A106161	Seam Caulk	Homogeneous White Non-fibrous Bound	40% 30% 30%	Binder Calc Carb Silicates	None Detected
755-464 A106162	Seam Caulk	Homogeneous Clear Non-fibrous Bound	100%	Caulk	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1810466
Date Received: 09-11-18
Date Analyzed: 09-17-18
Date Reported: 09-18-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
755-465 A106163	Seam Caulk	Homogeneous Clear Non-fibrous Bound	100%	Caulk	None Detected
755-466 A106164	Seam Caulk	Homogeneous Gray Non-fibrous Bound	100%	Caulk	None Detected
755-467 A106165	Seam Caulk	Homogeneous Gray Non-fibrous Bound	100%	Caulk	None Detected
755-468 A106166	Door Caulk	Homogeneous Gray, Tan Non-fibrous Bound	100%	Caulk	None Detected
755-469 A106167	Door Caulk	Homogeneous Gray, Tan Non-fibrous Bound	100%	Caulk	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

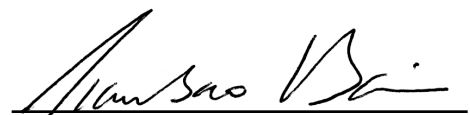
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: _____


Danielle Carrier

APPROVED BY: _____


Tianbao Bai, Ph.D., CIH
Laboratory Director

October 1, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh - New Holstein; 180-755 JM
CEI LAB CODE: A1811687

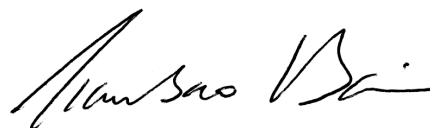
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 1, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh - New Holstein; 180-755 JM

LAB CODE: A1811687

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/01/18

TOTAL SAMPLES ANALYZED: 18

SAMPLES >1% ASBESTOS: 10

PROJECT: Tecumseh - New Holstein; 180-755 JM

LAB CODE: A1811687

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
755-470		A125751	Black,Brown	Window Tar	Chrysotile 10%
755-471		A125752	Tan,Black	Window Glazing	None Detected
755-472	Layer 1	A125753	Gray,Off-white	Window Glazing (type 1)	Chrysotile 5%
	Layer 2	A125753	Black	Window Glazing (type 2)	Chrysotile 10%
755-473		A125754	Off-white	Pipe Fitting	Chrysotile 10% Amosite 15%
755-474		A125755	Off-white	Pipe Fitting	Chrysotile 10% Amosite 15%
755-475		A125756	Brown,Black	Roof Paper	Chrysotile 30%
755-476		A125757	Gray	Transite Wall Panel	Chrysotile 15%
755-477		A125758	Off-white	Pipe Insulation	Chrysotile 10% Amosite 15%
755-478		A125759	Tan	Wall Panel Adhesive	None Detected
755-479		A125760	Gray,Tan	Window Glazing	None Detected
755-480		A125761	Beige,Gray	Vinyl Sheet Floor	None Detected
755-481		A125762	Gray,Green	Window Glazing	Chrysotile <1%
755-482		A125763	Gray	Oven Insulation	None Detected
755-483		A125764	Gray,Blue	Oven Door Gasket	None Detected
755-484		A125765	Off-white	Pipe Fitting	None Detected
755-485		A125766	Gray	Transite Panel	Chrysotile 15%
755-486		A125767	Gray	Window Caulk	None Detected
755-487		A125768	Black,Gray	Foundation Tar	Chrysotile 10%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: A1811687
Date Received: 10-01-18
Date Analyzed: 10-01-18
Date Reported: 10-01-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-470 A125751	Window Tar	Heterogeneous Black,Brown Fibrous Bound	10%	Cellulose	70%	Tar Binder	10% Chrysotile
755-471 A125752	Window Glazing	Heterogeneous Tan,Black Fibrous Bound	<1%	Cellulose	85%	Caulk Binder Tar	None Detected
755-472 Layer 1 A125753	Window Glazing (type 1)	Heterogeneous Gray,Off-white Fibrous Bound	<1%	Cellulose	85%	Caulk Binder	5% Chrysotile
Layer 2 A125753	Window Glazing (type 2)	Heterogeneous Black Fibrous Bound	<1%	Cellulose	80%	Tar Binder	10% Chrysotile
755-473 A125754	Pipe Fitting	Heterogeneous Off-white Fibrous Loosely Bound	10%	Cellulose	52%	Calc Carb Binder Paint	10% Chrysotile 15% Amosite
755-474 A125755	Pipe Fitting	Heterogeneous Off-white Fibrous Loosely Bound	10%	Cellulose	52%	Calc Carb Binder Paint	10% Chrysotile 15% Amosite
755-475 A125756	Roof Paper	Heterogeneous Brown,Black Fibrous Bound	40%	Cellulose	30%	Binder	30% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

Lab Code: A1811687
Date Received: 10-01-18
Date Analyzed: 10-01-18
Date Reported: 10-01-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-476 A125757	Transite Wall Panel	Heterogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	75%	Calc Carb 10% Binder	15% Chrysotile
755-477 A125758	Pipe Insulation	Heterogeneous Off-white Fibrous Loosely Bound	10%	Cellulose	55%	Calc Carb 10% Binder	10% Chrysotile 15% Amosite
755-478 A125759	Wall Panel Adhesive	Heterogeneous Tan Fibrous Bound	<1%	Cellulose	90%	Mastic 10% Binder	None Detected
755-479 A125760	Window Glazing	Heterogeneous Gray,Tan Fibrous Bound	<1%	Cellulose	85%	Caulk 10% Binder 5% Paint	None Detected
755-480 A125761	Vinyl Sheet Floor	Heterogeneous Beige,Gray Fibrous Bound	25% 5%	Cellulose Fiberglass	50% 15% 5%	Vinyl Binder Mastic	None Detected
755-481 A125762	Window Glazing	Heterogeneous Gray,Green Fibrous Bound	<1%	Cellulose	85%	Caulk 10% Binder 5% Paint	<1% Chrysotile
755-482 A125763	Oven Insulation	Heterogeneous Gray Fibrous Loosely Bound	85%	Fiberglass	15%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

Lab Code: A1811687
Date Received: 10-01-18
Date Analyzed: 10-01-18
Date Reported: 10-01-18

Project: Tecumseh - New Holstein; 180-755 JM

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
755-483 A125764	Oven Door Gasket	Heterogeneous Gray,Blue Fibrous Loosely Bound	95%	Fiberglass	5%	Binder	None Detected
755-484 A125765	Pipe Fitting	Heterogeneous Off-white Fibrous Loosely Bound	55%	Cellulose	25%	Calc Carb	None Detected
755-485 A125766	Transite Panel	Heterogeneous Gray Fibrous Tightly Bound	<1%	Cellulose	75%	Calc Carb Binder	15% Chrysotile
755-486 A125767	Window Caulk	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	90%	Caulk Binder	None Detected
755-487 A125768	Foundation Tar	Heterogeneous Black,Gray Fibrous Bound	<1%	Cellulose	75%	Tar Binder	10% Chrysotile

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

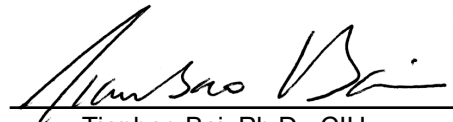
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: _____



Scott Minyard

APPROVED BY: _____



Tianbao Bai, Ph.D., CIH
Laboratory Director



107 New Edition Court, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:
 CEI Lab Code: A1811687 (18)
 CEI Lab I.D. Range: A125751-A125768

COMPANY CONTACT INFORMATION	
Company: NorthStar Environmental Testing	Client #: 25143
Address: 1006 Western Avenue Mosinee, WI 54455	Job Contact: Aaron Stroud Email: info@northstartesting.com Tel: (715) 693-6112
Project Name: <u>Tecumseh - New Holstein</u>	Fax: (715) 693-1225
Project ID #: <u>180-755 Jm</u>	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA Level II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: see attached sample log in sheet
 see attached sample log in sheet

8 hour TAT

Accept Samples
 Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Jason Motkowski</u>	<u>9/28/18</u>	<u>MJS</u>	<u>10/1/18 9:40</u>

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis

October 1, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh New Holstein; 180-755 JM
CEI LAB CODE: B188056A

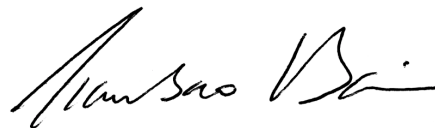
Dear Customer:

Enclosed are asbestos analysis results for PLM bulk samples received at our laboratory on September 26, 2018. The samples were analyzed for asbestos using polarized light microscopy (PLM) point count per the EPA 600 Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the EPA 600 method is 0.25% for 400 point counts, or 0.1% for 1,000 point counts.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh New Holstein; 180-755 JM

LAB CODE: B188056A

TEST METHOD: PLM Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/01/18

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
 1006 Western Ave
 Mosinee, WI 54455

Lab Code: B188056A
Date Received: 09-26-18
Date Analyzed: 10-01-18
Date Reported: 10-01-18

Project: Tecumseh New Holstein; 180-755 JM

ASBESTOS POINT COUNT PLM, EPA 600 METHOD

Client ID	Lab ID	Material Description	POINTS		ASBESTOS
			Total	Asbestos	%
755-134	B97967	Insulation	400	0	<0.25% Tremolite

Lab Notes: Tremolite detected below the limit of quantitation

LEGEND: None

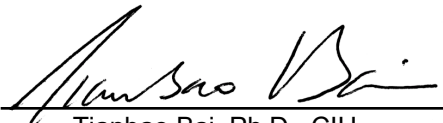
METHOD: EPA 600 / M4 / 82 / 020 (40 CFR Part 763, Sub. E, App. E)

REPORTING LIMIT: 0.25% by 400 points or 0.1% by 1,000 points

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. *Estimated measurement of uncertainty is available on request.* This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: 
Megan Fisher

APPROVED BY: 
Tianbao Bai, Ph.D., CIH
Laboratory Director



October 3, 2018

NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

CLIENT PROJECT: Tecumseh, New Holstein; 180-755 Jm
CEI LAB CODE: A1810466A

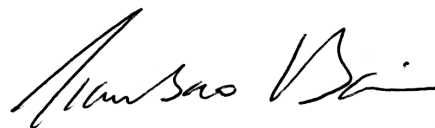
Dear Customer:

Enclosed are asbestos analysis results for PLM bulk samples received at our laboratory on October 2, 2018. The samples were analyzed for asbestos using polarized light microscopy (PLM) gravimetric point count per the EPA 600 Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the EPA 600 method is < 0.25% for gravimetric point count depending on the processed sample weight and points counted.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

NorthStar Environmental Testing, LLC.

CLIENT PROJECT: Tecumseh, New Holstein; 180-755 Jm

LAB CODE: A1810466A

TEST METHOD: PLM Gravimetric Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/03/18



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: NorthStar Environmental Testing, LLC.
1006 Western Ave
Mosinee, WI 54455

Lab Code: A1810466A
Date Received: 10-02-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: Tecumseh, New Holstein; 180-755 Jm

ASBESTOS GRAVIMETRIC POINT COUNT PLM, EPA 600 METHOD

Client ID Lab ID	Material Description	Sample Weight (g)	Organic Material (%)	Acid Soluble Material (%)	Acid Insoluble Material (%)	ASBESTOS %	
755-398 A106096	Adhesive	0.086	21	15	64	<0.16%	Chrysotile
Lab Notes: Chrysotile observed below the limit of quantitation.							
755-444 A106142	Vapor Barrier	0.365	85	6.8	8.1	0.082%	Chrysotile
755-448 A106146	Glazing	0.372	11	87	1.8	0.056%	Chrysotile

LEGEND: None

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: Varies with the weight and constituents of the sample (<0.25%)

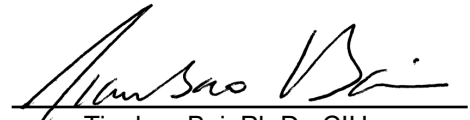
REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. *Estimated measurement of uncertainty is available on request.* This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


Danielle Carrier

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director

ATTACHMENT 4

**NORTHSTAR ENVIRONMENTAL TESTING, LLC
ABATEMENT COST ESTIMATES**



Central Wisconsin Office:
1006 Western Avenue
Mosinee, WI 54455
Tel: 715.693.6112
Fax: 715.693.1225

Fox Cities Office:
1835 E. Edgewood Drive
Suite 10542
Appleton, WI 54913
Tel: 920.422.4888

Madison Office:
1310 Mendota Street
Suite 121
Madison, WI 53714
Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 3, 2018

Tetra Tech
c/o Carol Nissen
1 S. Wacker Drive
Suite 3700
Chicago, IL 60606

Project:	Pre-Demolition Inspection: Asbestos / Lead Paint / Waste
Site:	1604 Michigan Avenue New Holstein, WI 53061

NorthStar Environmental Testing, LLC was contracted by Tetra Tech to complete a pre-demolition inspection to identify the presence of materials containing asbestos, items with lead-based paint and restricted waste items from throughout the industrial building located in New Holstein, Wisconsin. The inspection was conducted by Jason Motkowski & Ethan Turriff of NorthStar Environmental Testing, LLC (NorthStar) from August 28 to September 7, 2018. Based on those findings, NorthStar was requested to provide a cost estimate for abatement of asbestos materials and items with lead-based paint. Please reference the original NorthStar inspection report 180-755 dated October 3, 2018.

Asbestos Materials: An approximate budget for asbestos removal would be **\$100,000**. The price includes all currently confirmed asbestos materials but excludes assumed items such as fire doors, electrical panels, roofing materials, and other not-friable materials that may either require additional testing or may remain in place during demolition.

Lead Painted Items: An approximate budget for lead paint removal would be **\$600,000**. The price includes all currently confirmed lead-painted areas on concrete/concrete block substrates, but excludes striping on concrete floors that could not be quantified. Lead paint removal is not required prior to demolition; however, if the lead paint is allowed to remain in place, the materials would require landfill disposal. No price for lead-based paint on steel substrates is included.

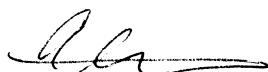
Total Estimated Abatement Cost: \$700,000.

NorthStar does not conduct asbestos or lead paint abatement activities. The above cost estimate is for budgetary purposes only. Actual abatement costs may vary greatly based on season of the year, contractor availability, time constraints, site availability, availability of utilities, etc.

Most asbestos containing materials at the site are in good, intact condition and do not require any abatement unless they are to be impacted by a pending renovation or demolition. Some lead painted areas are deteriorated or in poor condition. Paint stabilization of these areas would be recommended if the building is renovated and not demolished.

If you have any questions regarding this inspection please contact us at (920) 422-4888.

Submitted By,
NorthStar Environmental Testing, LLC.


Aaron Stroud
Operations Manager



Central Wisconsin Office:
 1006 Western Avenue
 Mosinee, WI 54455
 Tel: 715.693.6112
 Fax: 715.693.1225

Fox Cities Office:
 1835 E. Edgewood Drive
 Suite 10542
 Appleton, WI 54913
 Tel: 920.422.4888

Madison Office:
 1310 Mendota Street
 Suite 121
 Madison, WI 53714
 Tel: 608.827.6761

Asbestos • Lead Paint • Mold • Indoor Air Quality • Industrial Hygiene

October 8, 2018

Tetra Tech
 c/o Carol Nissen
 1 S. Wacker Drive
 Suite 3700
 Chicago, IL 60606

Project:	Pre-Demolition Inspection: Asbestos / Lead Paint / Waste
Site:	1604 Michigan Avenue New Holstein, WI 53061

NorthStar Environmental Testing, LLC was contracted by Tetra Tech to complete a pre-demolition inspection to identify the presence of materials containing asbestos, items with lead-based paint and restricted waste items from throughout the industrial building located in New Holstein, Wisconsin. The inspection was conducted by Jason Motkowski & Ethan Turriff of NorthStar Environmental Testing, LLC (NorthStar) from August 28 to September 7, 2018. Based on those findings, NorthStar was requested to provide a cost estimate for removal of restricted waste items. Please reference the original NorthStar inspection report 180-755 dated October 3, 2018.

Restricted Waste Items: An approximate budget for removal, packaging and disposal and/or recycling of restricted waste items would be **\$150,000**. The price includes all restricted waste materials currently identified by NorthStar but excludes any inaccessible items or items hidden from view. No material testing was performed and certain presumptions may have been made due to absence of labeling. Quantities given are approximate as noted during the site survey.

NorthStar does not conduct removal of restricted waste items. The above cost estimate is for budgetary purposes only. Actual removal costs may vary greatly based on season of the year, contractor availability, time constraints, site availability, availability of utilities, etc. Often, a reputable demolition contractor will include the removal of restricted waste items in their cost.

Most restricted waste materials at the site are in good, intact condition and do not require any immediate removal unless these items are to be impacted by a pending renovation or demolition.

If you have any questions regarding this inspection please contact us at (920) 422-4888.

Submitted By,

NorthStar Environmental Testing, LLC.

Aaron Stroud
 Operations Manager